



SEQUENCING.COM

Genetic Report

Confidential Report Number

7941813

Wellness & Longevity App

Exome Sequencing

Analysis Conducted October 2021



Confidential Information

Dear 7941813,

Your genes have been successfully analyzed using the Wellness & Longevity App from Sequencing.com.

This document is your genetic report, which is a straightforward and non-technical presentation of the results. It provides clear solutions to optimize your health and longevity.

The insights obtained from learning about your genes may enable you, in partnership with your healthcare provider, formulate a plan to outsmart your genes and live a longer, more vibrant life.

Sincerely,
The Sequencing.com team



Disclaimer

Sequencing.com's Wellness & Longevity App v2 ("App") is for informational purposes only.

The Wellness & Longevity App v2 ("App") analyzes a large amount of genetic data and produces a single genetic report. The genetic report includes information about condition risk and ways that a person may impact condition risk, such as lifestyle modifications that have been found by published research to lower the risk of a condition. Please note that while this App does not require FDA approval, we do want to point out that it has not been approved by the FDA for such use.

The genetic analysis and reporting conducted by the App are based on information from one or more published third-party scientific and medical studies. We do not independently judge the validity or accuracy of such published scientific information. Because scientific and medical information changes over time, your risk assessment and genetically tailored prevention for one or more of the conditions contained within this report may also change over time. For example, opinions differ on the importance and relative weights given to genetic factors. Also, epidemiologic data aren't available for some conditions, and this App may not be able to provide definitive information about your overall risk of a particular condition, the severity of a particular condition, what actions you can take to prevent it, its clinical significance, your carrier status, and/or the likelihood you or a family member may be affected by it. At best, we can only provide data for you and your healthcare provider to use when making judgments about relative, absolute, and/or lifetime risks.

Therefore, this report may not be 100% accurate (e.g., new research could mean different results) and may not predict actual results or outcomes. A person's risk of any particular phenotype, condition or trait is also based on other factors not yet analyzed by this App (e.g., diet, lifestyle, genetic variants not available because information about them is not included in the genetic data file provided by the App user, etc.).

This App may be updated from time to time so that the analysis and reporting incorporates new or changed research or scientific results. Because of this, the reports produced by this App may change and the App user may want to re-run the App after the App has been updated in-order to make sure he or she has the most up-to-date report.

Nothing in the genetic report should be used for medical diagnosis or treatment. The information provided should not be considered complete, nor should it be relied on to suggest diagnosis or treatment of a particular individual. Material in the genetic report should not be relied upon for personal, medical, legal, technical, or financial decisions.

This genetic report should not be used in place of a visit with or advice from your doctor or other qualified healthcare professional. You should always get the advice of your doctor or other appropriate health care professional if you have any question about diagnosis, treatment, prevention, mitigation, or cure of any medical condition, phenotype, condition, impairment, or the status of your health. Do not stop any medications you have been prescribed, start any new medications, or modify any medical treatments ordered by your healthcare provider without first talking with your provider. If you have any healthcare related questions, please promptly consult your physician or other qualified healthcare provider. If you haven't exercised for a while (such as for months or years), always consult with your physician before starting to exercise.

Sequencing.com is not a laboratory and we do not perform genetic testing. If you upload genetic data to Sequencing.com then you affirm that you have the legal right to be in possession of that genetic data.

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The genetic analysis and reporting technologies utilized to create this report are patent-pending.

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How to Read Your Genetic Report

Each page of the report explains your results for a particular condition or trait and provides you with genetically-tailored information that may help decrease the risk of that condition or control the trait. (A trait is something that is affected by your genes but does not make you sick. An example is athletic performance.) Here's what you can expect to find on each page of your report:

Confidential Report Number. At the top of every page you'll notice a Confidential Report Number. This number is unique to you and is kept confidential. To help insure your privacy, neither your name nor any other identifying information is printed on this genetic report.

Condition or trait name and background. At the top of each page, you will see the name of the condition or trait that is being discussed. Right under this we provide some background information and statistics on the condition or trait.

Your genetic assessment. Your test results will be summarized in this section:

The overall risk. A box at the top of this section will provide your overall lifetime risk of coming down with the condition or having the trait. For some types of conditions or traits your risk is shown as a risk category (for example, "MODERATE"). For other types of conditions or traits you will see a statement, such as "You are a carrier" or "You are likely affected." If you see a statement like that, we will provide additional information farther down on the same page to explain what it means.

Your Lifetime Risk
Moderate

Even if you are at risk for a condition, that doesn't mean you actually have the condition or will ever get it. If we say that you're at risk for, or predisposed to a condition or trait, we mean that, based on our knowledge of current published scientific research, you have a higher risk of getting the condition or developing the trait than other people in the general population

INCREASED RISK

If you are found to be a "carrier" of a condition, it means that the condition will not affect you but you may pass the change in the gene that causes the condition to your children (and if you have children, it may have already been passed on). If you are a carrier of a condition, it is important for you to have the person you are going to have a child with also tested. If that person is not a carrier of the same condition, your children are very unlikely to be affected by the condition, but if he or she is a carrier, 25% of the children you have with this individual may be affected by the condition.

You are a
CARRIER

If you are found to be "most likely affected" by a condition, it means that you have one or more changes in your genes that have been shown to cause a condition. Even people who are affected by a condition may experience it more or less severely and the time of onset may also differ. These differences can be difficult to predict. If information about severity and onset is available, we try to provide this information as well.

You are
MOST LIKELY AFFECTED

The Risk or Severity gauge. For some conditions or traits you'll see a gauge called "Risk." This gauge compares your risk (the darker hand) to the risk of the general population (the lighter hand). For other conditions or traits you'll see a gauge called "Severity" that tells you how severe the condition is likely to be if it should ever manifest.



The Clinical Significance gauge. This gauge tells you how much of an impact the condition or trait could have on your health. A high reading on this gauge suggests that the condition or trait is very important to your health and well-being.



The Actionability gauge. Many conditions can be prevented, or the onset and progression delayed, if the right steps are taken. When this gauge reads "high," it means that there are concrete steps you and your provider can take to prevent the condition before it occurs. There may



also be helpful treatments available should you come down with the condition.

Onset and Symptoms. This section provides you with information about the most likely age of onset of the condition or trait, as well as its symptoms.

Genetically Tailored Prevention. The advanced genetic analysis provided by Sequencing.com's Wellness & Longevity App not only analyzed your risk of a condition but also conducted a first-of-its-kind analysis of your genes to determine what personalized preventive measures are likely to be most effective for you based on your genetic makeup. This is referred to as Reflex® Analysis. The types of preventive measures available to you and your provider will fall into a few different categories, such as:

Monitoring and Screening. There may be certain tests you or your provider can perform to monitor for the earliest signs of a condition so that it can be treated quickly, thus minimizing its impact on you.

Medications. Certain medications can often be effective in preventing a condition. We'll tell you about the medications that might be used to prevent or treat the conditions for which you're at risk, whether your genes suggest they'll work well for you, and whether your genes put you at increased risk of certain side effects from those medications.

Lifestyle Modifications. Changes in our day-to-day lives, such as eating different foods or performing specific types of exercises, can have a huge impact on our health. This section will provide you with genetically tailored lifestyle information so you will know exactly what foods and exercises are likely to be effective in helping you prevent a condition.

Disease Interventions. Despite preventive efforts, a condition, such as a disease, sometimes occurs. Fortunately, there are effective treatments for many conditions, and the results of your genetic analysis may suggest how well specific treatments will work for you. Having this information will allow you and your healthcare provider to focus on the treatments that are most likely to work and avoid those that may be ineffective or have an increased risk of causing harmful side effects.

Complementary Interventions. Certain preventive measures not yet embraced by Western medicine have been found to be effective in protecting against some conditions. This section will tell you which of those, if any, may be beneficial to you.

Common Misconceptions. Common misconceptions can lead us to spend a lot of time and money on preventions or treatments that just don't work. This section, which is included whenever applicable, provides you with insight into some of the common misconceptions surrounding the prevention or treatment of the condition being discussed so that you are well informed.

Family Planning. This section contains information about different family planning options that may reduce your future children's risk of being affected by a condition.

The preventive information in this report have been shown in scientific studies to help lower the risk, or delay the onset, of a condition. Occasionally the information provided may be supported by just one or two studies. We consider this information preliminary and we will either state that they are 'preliminary' or mark the information with the "§" symbol. Further research is usually needed to corroborate these preliminary results.

It's important to understand that your risk assessment and the lifetime risk for each condition is only based upon an analysis of your genes and does not take into account non-genetic risk factors that may be increasing or decreasing your total risk of a condition. For example, the melanoma assessment only takes into account genes that are known to be associated with melanoma risk but does not take into account the number of sunburns you've had throughout your life or whether you have used tanning beds (which are non-genetic factors that also influence your risk of melanoma).

Lately, your risk assessment only includes information that's based upon published research studies. In the future, information about the genes currently being assessed may change and/or researchers may find additional genes associated with risk of the condition. Because of this, based on continued genetic research your risk assessment for a condition may change. The risk assessment presented in this report is accurate as of published research that is known at the time the report is generated and the genes that have been tested for and analyzed.

Athletic Performance

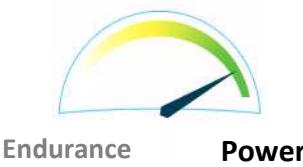
Your genes can affect many aspects of your health, including your potential to excel at specific workouts and sports. The genetic testing results below allow you to personalize your physical fitness routine in-order to help you reach your fitness and wellness goals.

Genetic testing for athletic performance focuses on a gene that determines your muscle fiber type. A number of different genes that are associated with exercise-induced fatigue and exercise-induced muscle damage have also been analyzed.



Your genes indicate you are likely to excel at

Power-based Sports and Training



Athletic Predisposition

You are likely to excel at power-based sports and physical activities. This doesn't mean you can't play or excel at endurance-based sports, only that when participating in endurance-based sports you are more likely to experience fatigue and muscle pain earlier and more intensely than people predisposed to those endurance sports.



Significant Exercise-Induced Fatigue

A number of genes were assessed and you are not genetically predisposed to becoming abnormally fatigued while exercising.

Exercise-Induced Muscle Damage

You do not have sickle cell trait and are not at risk of exercise-induced muscle damage due to this specific trait.

Genetically Tailored Training

Your Athletic Predisposition

- ❖ Your genes indicate that you are *more likely* to excel in sports requiring physical power and strength. These activities include:
 - Five to ten minutes intervals of intense exercise on cardio equipment
 - Resistance and weight training
 - Short distance running and sprints
 - Short distance swimming
 - Gymnastics, wrestling, and boxing
 - Ice hockey, soccer, volleyball, tennis, archery, and downhill skiing
- ❖ Based on your genes, you are *less likely* to excel at sports that require endurance. These activities usually involve low to medium physical exertion and last longer than 20 minutes without rest. They include:
 - Using cardio equipment, such as the elliptical, treadmill, Stairmaster, or rowing machine for longer than 20 minutes without a rest
 - Long distance and marathon running
 - Long-distance swimming
 - Rowing, kayaking, and canoeing
 - Hiking, mountaineering, and cross-country skiing
 - Triathlons such as Ironman competitions

Exercise-induced Fatigue

- ❖ You are not predisposed to an abnormal amount of exercise-induced fatigue.
- ❖ While everyone has the potential to become tired after prolonged exercise, you most likely will *not* experience an abnormal amount of fatigue.

Exercise-induced Muscle Damage

- ❖ You do not have sickle cell trait.
- ❖ Sickle cell trait is a condition in-which the shape of red blood cells can change from circular into a sickle-like shape, usually if the person is exposed to decreased oxygen levels and/or dehydration, both of which may occur during exercise. When blood cells sickle, they can cause damage to various muscles throughout the body, including the heart, potentially leading to death. Many people, however, do not know they have this condition until after it negatively affects their health. Because of this, we screened your genes for sickle cell trait and you do *not* have this condition.

Hair Loss & Baldness

Your genes can affect many aspects of your health, including physical traits such as your risk of losing a noticeable amount of hair on your head during adulthood. This type of hair loss is sometimes referred to as male-pattern baldness or, in medical terminology, androgenetic alopecia. Male-pattern baldness can affect adult men of any age.

Genetic testing for a predisposition to hair loss focuses on genes that are involved in how your hair follicles interact with the testosterone that is normally produced by your body. Fortunately, there are a number of preventions that can be enacted to limit hair loss in men predisposed to baldness, so we can be empowered to prevail over this trait.

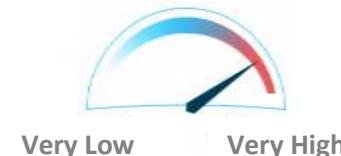
Your genes indicate you have a

Very High Risk of Hair Loss and Baldness



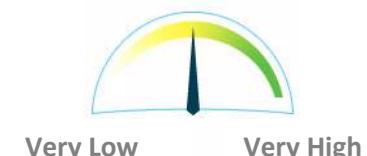
Clinical Significance

This trait is not clinically significant. If this trait manifests, it will not have an impact upon your health.



Your Risk of Significant Hair Loss

Your Lifetime Risk:
Very High
(72% Lifetime Risk)



Actionability

Preventive measures have been shown to help prevent or delay onset or progression of this trait.

Compared to other people with different genes, you are more likely to experience significant hair loss during adulthood, which is likely to lead to noticeable baldness. Preventive measures may limit hair loss. The preventions discussed below are usually most effective when put in place before significant hair loss has occurred.

Genetically Tailored Prevention

Lifestyle Modifications

- ❖ Preliminary research indicates that regular cardiovascular exercise (such as a cardio workout at the gym for 30 minutes or longer three or more days per week) optimizes testosterone levels, which may help protect against hair loss. §
- ❖ Preliminary research also indicates that a diet low in fat, refined sugars and total calories may also help prevent hair loss. §
- ❖ Smoking has been linked to accelerated rates of hair loss, so if you smoke, quitting may help protect against worsening any hair loss.

Screening

- ❖ Regular screening by your dermatologist (who may use the Hamilton-Norwood Scale to monitor hair loss) will allow your doctor to evaluate your degree of hair loss and the effectiveness of treatment.
- ❖ Hair loss may be a symptom of an underlying medical condition, such as abnormal thyroid hormone levels, so any sudden hair loss should be evaluated by your doctor.

Misconceptions

- ❖ Wearing a hat does not cause hair loss.
- ❖ Getting your hair cut more often won't make your hair grow back quicker or thicker.
- ❖ Brushing your hair won't slow down hair loss.
- ❖ Shampooing/washing your hair more or less often does not affect hair loss.

Medications

Prescription

- ❖ Finasteride (Propecia®) is FDA approved to treat male pattern baldness and may be effective in significantly slowing down your rate of hair loss. This oral medication (taken as a pill once a day) is effective for hair loss affecting both the crown (vertex) of the head and the hairline (such as a receding hairline), although it is usually most successful for hair loss affecting the crown area.

- ❖ Ketoconazole shampoo 2% (Nizoral®) is a prescription shampoo approved by the FDA only to treat dandruff, but preliminary research indicates it may also significantly protect against hair loss. The shampoo has to be used once every 2-3 days and left on the scalp for 3-5 minutes before rinsing. §

Over-the-Counter

- ❖ Minoxidil (Rogaine® and Regaine®) is an FDA approved treatment for hair loss. This topical medication (applied to the scalp area once a day) is effective for treating hair loss on both the crown and the hairline. This medication may be used in combination with Finasteride.

Additional Information

- ❖ See your dermatologist at least once a year for regular skin and scalp exams.
- ❖ For reference, the Hamilton-Norwood Scale can be found on the next page.
- ❖ American Hair Loss Association:
www.americanhairloss.org

Hair Loss & Baldness

The Hamilton-Norwood Scale

The Hamilton-Norwood Scale provides a way to monitor both a receding hairline and baldness at the crown (vertex), as well as the effectiveness of treatments either to slow down further hair loss or to regrow hair. Treatments for hair loss have the greatest chance of being effective when started early, before significant loss has occurred.

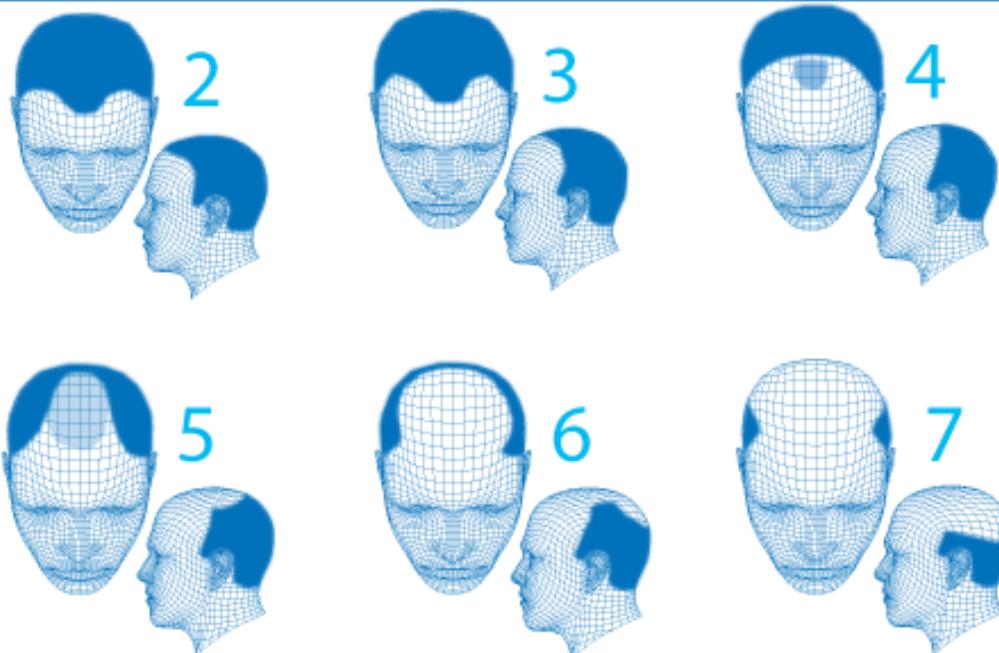
This scale is divided into two sections. The top section is for hair loss that is primarily affecting the front hairline (referred to as “Anterior Male Pattern Baldness”), and the bottom section is for hair loss affecting the crown as well as the front hairline (referred to as “Vertex Male Pattern Baldness”).

Each section has seven stages, from one to seven, with stage one (which isn’t included in the pictures below) indicating that no hair loss has occurred and stage seven being the most severe hair loss.

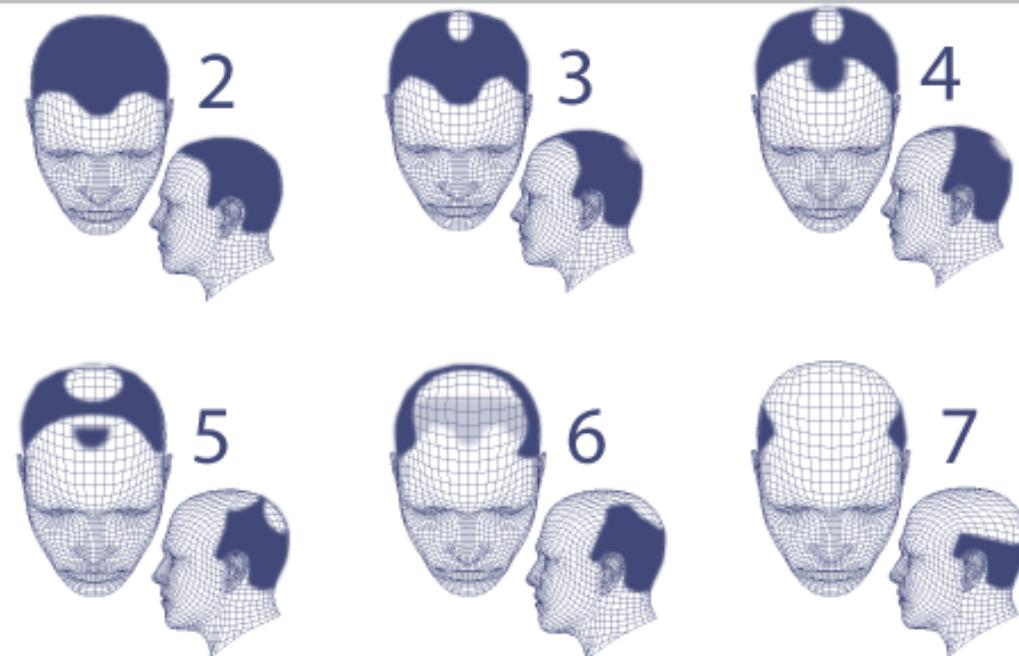
Your stage, and how fast you are progressing from one stage to the next, may help you and your dermatologist decide when to institute preventive measures, as well as how aggressive those preventive measures should be.

For example, if your genetic test indicates you have a very high risk of hair loss but you are still at Stage 1, you might want to focus primarily on lifestyle modifications and yearly screening by your dermatologist. Then, if you and your dermatologist see that you are progressing to stage 2, you may want to start a medication to slow down hair loss. If you continue to progress, such as to stage 3, you and your dermatologist may decide to add on a second medication (such as a combination of finasteride and minoxidil).

Stages of Anterior Male Pattern Baldness



Stages of Vertex Male Pattern Baldness



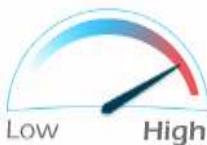
Melanoma Skin Cancer

Melanoma is a very serious cancer of pigment-producing cells called melanocytes. While melanoma most often occurs in the skin, it can also develop in other areas of the body, such as the eyes. The rate of melanoma is increasing faster than almost all other cancers in North America but it can be cured if detected early.

The key to protecting yourself against melanoma is prevention throughout life and vigilance by both you and your doctor that will allow for early detection should the disease ever occur.

Your genes indicate you have a

Moderate Risk of Melanoma



Clinical Significance

This potential disease can have a very significant impact upon your health & wellness.



Your Risk of Melanoma

Your Genetic Lifetime Risk:
Moderate (4%-9.9%)
Normal Lifetime Risk: 2%



Actionability

Preventive measures have been shown to help prevent or delay onset or progression of this disease.

Onset & Symptoms

Due to your genes, you have a moderate genetic risk of developing melanoma compared to most people. While melanoma may occur at any age, if it does manifest then it is more likely to develop during adulthood.

Please note: This genetic report does not take into account non-genetic factors that may increase your risk of melanoma, such as if you've ever had sunburns (especially during your childhood) and if you've ever used tanning beds. Because of this, your overall lifetime risk of melanoma may be higher than your genetic risk.

Genetically Tailored Prevention

Monitoring and Screening

- ❖ Please discuss your risk of melanoma and the following preventive measures with your dermatologist or internist.
- ❖ Because you are at moderate risk for melanoma, your doctor may want to conduct more frequent full body skin exams, such as every 9 months starting as early as age 20 (or more frequently to monitor any suspicious moles).
- ❖ If caught early, melanoma can usually be cured. If it isn't caught until a later stage, it is often fatal.
- ❖ Melanoma usually develops from a mole but may also first appear as a colorless lump under the skin. The most common sites for melanoma are the legs in women and the upper back in both men and women, although melanoma can occur anywhere on the body, including under the nails, on the scalp, and on the bottom of feet.
- ❖ The mnemonic 'ABCD & E' is helpful to remember how to identify abnormal moles to show your doctor:
 - Asymmetry (one or more parts of the mole appears different)
 - Border (the edges of the mole are irregular, such as appearing notched, uneven, or blurred)
 - Color (the color of the mole is uneven)
 - Diameter (mole is wider than ¼ inch or 6mm)
 - Evolving (mole changes in appearance or size over time, or may start to itch, ulcerate, or bleed)

Lifestyle Modifications

- ❖ Sunburns, especially at a younger age, have been linked to increased risk of melanoma. Avoid sunburns throughout life and, when you are outside, seek shade and use the following to limit harmful sun exposure:
 - Use broad spectrum sunscreen and lip balm with SPF of 30 or greater that blocks both UVA and UVB light. Reapply as directed, such as after two hours or more frequently if sweating or swimming.
 - Wear sunglasses that have at least 99% UV absorption and block both UVA and UVB light.
- ❖ Tanning beds greatly increased the risk of developing melanoma. Therefore, avoid using tanning beds and sunlamps throughout your entire life, especially before the age of 30. It is important that parents discuss the harm of tanning beds with children. There is no such thing as a 'safe' tanning bed.
- ❖ A further analysis of your genes indicates that you are not at increased risk of multiple sclerosis if you have low vitamin D levels. This was assessed because sun-protective behaviors may cause vitamin D deficiency.

Disease Interventions

- ❖ All suspicious moles or abnormalities of the skin or eyes should be evaluated by a doctor.
- ❖ Any moles that appear to be abnormal can be biopsied and, if necessary, surgically removed by a doctor.
- ❖ If melanoma is diagnosed during an early stage (such as before it grows significantly and spreads) then it can be surgically removed from the body by a dermatologist or plastic surgeon. This has the potential to be a cure. However, the probability of cure decreases significantly if melanoma is not detected & removed at an early stage.

Additional Information

- ❖ Melanoma Research Foundation: www.melanoma.org
- ❖ American Cancer Society: www.cancer.org/Cancer/SkinCancer-Melanoma
- ❖ Pictures of melanoma (useful for self-exams): www.mayoclinic.com/health/melanoma/DS00575

Arthritis (Osteoarthritis)

Osteoarthritis, commonly referred to as just “arthritis,” results from the “wear and tear” on a person’s joints that occur over his or her life. When the cartilage in a joint wears down and osteoarthritis manifests, it can have a very detrimental impact on a person’s job, hobbies, and overall lifestyle. This condition is one of the leading causes of chronic disability throughout the world.

Osteoarthritis cannot be cured, although it can be treated with surgery (such as joint replacement) and symptoms can usually be somewhat controlled with medications. In order to avoid surgery and/or medications, preventive measures should be taken throughout life. While wear and tear to joints can’t be entirely avoided, knowing your genetic risk of developing arthritis in specific key joints will allow you to take the protective measures that will help to preserve your joint function later in-life.

Your genes indicate you have a



SLIGHTLY INCREASED RISK
for Knee Arthritis



Knee

Your Risk of Osteoarthritis

Your Lifetime Risk of **Knee** Arthritis:
Slightly Increased (41%)
Normal Generic Lifetime Risk: 40%



SLIGHTLY INCREASED RISK
for Hip Arthritis



Hip

Your Lifetime Risk of **Hip** Arthritis:
Slightly Increased (27%)
Normal Generic Lifetime Risk: 25%



SLIGHTLY INCREASED RISK
for Wrist Arthritis



Wrist

Your Lifetime Risk of **Wrist** Arthritis:
Slightly Increased (33%)
Normal Generic Lifetime Risk: 30%



Actionability

Specific measures have been shown to help prevent or delay the progression of this condition.

Clinical Significance of Osteoarthritis

This potential condition can have a significant impact upon your health & wellness.

Onset & Symptoms

Osteoarthritis usually occurs after the age of 50 because of wear and tear to joints throughout life. By age 70, almost 100% of people have some degree of arthritis in one or more joints. Symptoms usually include pain and stiffness when moving the affected joints, especially following exercise. Over time the affected joints are also likely to become stiffer and harder to move.

Genetically Tailored Prevention

Monitoring

- ❖ Your Internist can determine whether you have osteoarthritis by conducting a physical exam.
- ❖ X-rays may help your doctor identify joints that are progressing towards, or already in the early stages of, osteoarthritis.

Medications & Supplements

- ❖ In large studies, glucosamine supplementation has **not** been proved effective in preventing or treating osteoarthritis although some people do report that it helps alleviate some symptoms.
- ❖ Anti-inflammatory supplements such as a special formula of Curcumin called Longvida® may help protect joints. Optimizing Pregnenolone levels, a hormone that can be evaluated by a healthcare provider, may also help decrease arthritis pain.
- ❖ Weight management and limiting/avoiding physical impact and injury to joints at risk of arthritis are currently the best ways to help prevent or delay the onset of this condition.

Alternative Interventions

- ❖ In some studies acupuncture has been shown to help alleviate some symptoms but has not yet been shown to help prevent arthritis from occurring. §

Myths & Misconceptions

- ❖ Cracking knuckles does not cause arthritis.

Lifestyle Modifications

- ❖ Maintain an optimal weight throughout life and, if you are overweight, the Paleo diet can help you lose those extra pounds. Being overweight significantly increases the risk of this condition and greatly exacerbates arthritis if it occurs.
- ❖ Throughout life, consider avoiding or reducing exercises and sports that involve considerable stress and impact to the joints that are at increased risk of arthritis.
- ❖ Due to your increased risk of hip and knee arthritis, when exercising focus on biking, swimming, or the elliptical machine as opposed to running. Avoid squats at the gym and limit sports that put stress on your knees, such as skiing.
- ❖ Avoid wearing high heels often (such as multiple times a week) as this will further increase your risk of knee arthritis.
- ❖ Due to your increased risk of wrist arthritis, avoid boxing and heavy overhead lifting.
- ❖ For those already diagnosed with arthritis, moderate exercise is important and has been shown to significantly reduce pain and increase function in affected joints. Walking, biking, swimming, and yoga are excellent.

Additional Resources

- ❖ Arthritis Foundation: www.arthritis.org

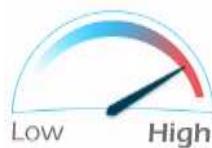
Malignant Hyperthermia

Malignant Hyperthermia is a rare condition that causes a life-threatening increase in body temperature upon exposure to certain general anesthesia medications routinely used during surgical procedures. The majority of people with this disease do not have any warning signs or symptoms until they are exposed to the triggering medications during surgery, and the disease doesn't always manifest each time a person is exposed to anesthesia.

If a person has a genetic variant that causes this condition, he or she is predisposed to Malignant Hyperthermia. Numerous preventive measures have been shown to significantly decrease the risk of its potentially harmful effects. The most important prevention is for a person and his or her healthcare provider to know a genetic predisposition to this condition exists *before* they are ever given general anesthesia.

Your Genetic Assessment

You are likely
NOT AFFECTED



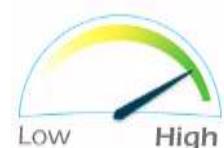
Clinical Significance

This potential disease can have a very significant impact upon your health & wellness.



Your Risk of Malignant Hyperthermia

This genetic test did not detect any genetic mutations associated with Malignant Hyperthermia.



Actionability

Preventive measures have been shown to help prevent the onset of this disease.

Genetically Tailored Prevention

Monitoring

- ❖ Because your genetic screening indicates you are not likely to be affected by this condition, no special monitoring is required.

Additional Information

- ❖ If you are interested in learning more about this condition, you can visit the Malignant Hyperthermia Association of the United States' website at: www.mhaus.org



A heart attack occurs when the blood supply to the heart is interrupted, causing some heart tissue to die. A heart attack is an emergency because it may cause sudden death or, following a heart attack, the heart may not function correctly. The most common cause is a build-up of plaque in one of the blood vessels feeding the heart, a condition referred to as coronary artery disease (CAD), which is related to high cholesterol levels.

Over one million people suffer a heart attack each year in the United States and about 40% of these people will die from the heart attack. Heart disease, including heart attacks, is the leading cause of death in the world but numerous preventive measures exist. Your healthcare provider will now be able to use this report to genetically tailor a plan to protect your heart.



**Your genes indicate you have a
HIGH RISK of a Heart Attack due to Coronary
Artery Disease**



Clinical Significance

This potential disease is very important to your health & wellness.

Your Lifetime Risk

Your Lifetime Risk:
High (68%)
Normal Lifetime Risk: 42%

Actionability

Preventive measures have been shown to help prevent or delay onset or progression of this disease.

Onset & Symptoms

You are at greatest risk of a heart attack **both before and after the age of 50**.

Symptoms of a heart attack include chest pain or pressure that may radiate down the left arm or up to the jaw as well as shortness of breath, fatigue, sweating and nausea/vomiting.

A heart attack is an emergency and if you think you are having one, you should immediately go to an emergency room, call an ambulance, or call 911.

Genetically Tailored Prevention

Monitoring

- ❖ Because of your genetic risk for heart disease it is important to focus on a nutrition plan that is low in carbohydrates and grains, such as the Paleo diet.
- ❖ Numerous tests, including blood tests and radiologic exams, will be administered by your physician every year to monitor for high cholesterol levels, coronary artery disease (CAD) and heart attacks.
- ❖ Your healthcare provider will closely monitor your CRP, homocysteine and HgA1C levels, which are biomarkers that, when elevated, may indicate the need for specific interventions and more frequent monitoring to protect against heart attacks.
- ❖ It is important to have a yearly exam with your healthcare provider so that she or he may monitor for, and aggressively treat, conditions that will further increase your risk of CAD and heart attacks, including silent inflammation and diabetes.

Lifestyle Modifications

- ❖ Completely stop smoking cigarettes and using all tobacco products throughout your life as they will significantly speed up the build up of cholesterol in your arteries and greatly increase your likelihood of having a heart attack.
- ❖ Avoid all fried foods and significantly decrease consumption of foods & beverages that are high in cholesterol, saturated fat, or refined sugars.
- ❖ Maintain a normal weight throughout life, especially after the age of 40. Even being moderately overweight, such as just having love handles, can significantly increase your risk of a heart attack.
- ❖ Perform cardiovascular exercise for at least 30 minutes per day, four or more times per week. Based upon your genes, focus on power-based cardio exercises such as interval training. A fitness trainer can help ensure your exercise regimen is appropriate.

Complementary Preventions

- ❖ A unique high dose Liquid Fish Oil (4.6g per teaspoon) is likely to protect your heart and blood vessels. Your healthcare provider will be able to provide you with the exact dose that will provide the greatest benefit.
- ❖ Based on these results and assessment of your biomarkers, your physician will now be able to customize a regimen of supplements that will protect your heart and blood vessels.
- ❖ Reducing stress in your life may also help decrease your risk of a heart attack. Consider activities that help you reduce your stress and also relaxation techniques, such as yoga or meditation.

Additional Information

- ❖ American Heart Association: www.americanheart.org
- ❖ Society of Heart Attack Prevention & Eradication: www.shapesociety.org

Medication Assessment for Cardiovascular Health

Medications

As with the rest of your report, the following information is based solely upon an analysis of your genes. Other factors not analyzed within this report, such as other medications you take, your age, gender, and weight, may also affect whether the following medications are likely to be effective and/or cause side effects. Please do not stop or modify any medications you are currently taking because of the information below unless instructed to do so by your doctor.

✓ means that no significant findings were detected.

⊕ means that an important finding was detected and should be discussed with your healthcare provider.

ANTICOAGULANTS (thins the blood)

Warfarin (Coumadin®) ✓

Warfarin (Coumadin®) Sensitivity Detected

❖ You may need slightly lower loading and maintenance doses of warfarin.

ANTITHROMBOTICS (makes blood less sticky and less likely to form clots)

Clopidogrel (Plavix®) ✓

❖ Factors other than your genes may also impact your optimal clopidogrel dose, such as other medications you may be taking.
❖ Your doctor may also use a platelet aggregation assay (or other platelet function assessment) to monitor the effect of the clopidogrel.
❖ Avoid using clopidogrel with omeprazole (Prilosec®), a common medication used to decrease stomach acid.
❖ Due to clopidogrel's potential ineffectiveness, your doctor may decide to start you on a different drug.

Aspirin ✓

❖ Aspirin is likely to be effective in helping to prevent heart attacks and strokes.

CHOLESTEROL LOWERING MEDICAITONS

Statins (such as Lipitor®, Crestor®, Zocor®, etc.) ✓

❖ Statin Adverse Reaction not detected: You are at low risk (~3%) of adverse reactions, which may include severe muscle pains, with statins.

❖ Your genes indicate that you may be able to reduce (by around 40%) your risk of death or a major cardiovascular event such as a heart attack if you are prescribed high-dose atorvastatin therapy (80mg) compared to standard-dose pravastatin therapy.

ASSOCIATED CONDITIONS

Blood Clot Risk including Deep Vein Thrombosis (DVTs) ⊕

- **Increased Risk Detected:** You have an increased risk of blood clots, such as DVTs, due to a genetic marker known as Factor V Leiden.
- Due to an increased risk of blood clots, please discuss the following preventions with your healthcare provider. These preventions may help decrease your risk of blood clots:
 - Talk with your doctor about the benefits of starting either once-a-day aspirin and/or fish oil supplements.
 - If you are immobile for long periods of time, such as in a car, train, or plane for more than an hour, try to get up and walk around for at least five minutes every hour. If you are going to be immobile for very long periods of time, such as if you are taking a long plane or car ride, please talk with your doctor about leg compression devices that will help stop blood from pooling in your legs (which, will help lower your risk of DVTs).
 - Avoid obesity throughout life as being overweight, combined with your genetic predisposition to form blood clots, will greatly increase your risk of blood clots forming.
 - Avoid smoking cigarettes and all tobacco products as these further increase your risk of blood clots. Because of your genetic predisposition, if you do smoke you are at extremely high risk of potentially deadly blood clots forming.
 - Make sure to inform all doctors about your genetic predisposition to form blood clots, especially if you are admitted to the hospital or if you need any type of surgery. It is important for all of your doctors to know about this risk so that they can make sure to properly monitor and protect you from blood clots forming.
 - Become educated about the warning signs of blood clots, such as DVTs, that may form in your legs. If you suspect a blood clot, please alert your doctor immediately or go to the nearest

emergency room, because a blood clot may be a medical emergency. If you have a blood clot, serious complications and even death can usually be avoided as long as a doctor is able to diagnose and treat the clot in its early stages.

- Possible warning signs of a blood clot may include one or more of the following:
 - Swelling of one or both legs or of one specific spot on your leg.
 - Pain or tenderness in one or both legs or in one particular spot on your leg. This includes tenderness due to pressure on the leg or pain when walking. The pain may also be present even if you aren't walking.
 - Redness in an area on one or both of your legs.
 - A part of your leg may feel warmer than the rest of your leg.
 - Shortness of breath
 - A sharp pain in the center, side, or back of your chest
 - An unexplained increase in your heart rate and/or breathing rate.
 - A sudden cough or a cough that produces blood (even a small amount of blood in a cough is abnormal)
- To learn more about preventing DVTs, please visit The Coalition to Prevent Deep-Vein Thrombosis: www.preventdvt.org

Preventable Sudden Death due to a Heart Arrhythmia

Sudden death can be caused by a heart arrhythmia, which is an abnormality in the heart's electrical conduction system that can affect newborns, children, and adults. Many times this abnormality is caused by a change in a gene that a person is born with.

Unfortunately, people who are born with this abnormal gene usually do not have any symptoms, and the first presentation of the condition is death itself. Therefore, without genetic testing they remain unaware of this life-threatening predisposition.

Once a healthcare professional knows about the condition, however, heart arrhythmias can be treated, and sudden death can likely be prevented through various interventions, such as medications.

If a person has a change in a gene associated with sudden death, his or her risk of death increases even further during exercise. If you've ever heard a news story about an athlete who collapsed and died while exercising or playing a sport, many times it is because the person's genes were predisposing him or her to sudden death, and because no one knew of this predisposition, death could not be prevented.

It is important to remember that the analysis covered by this report only evaluated the data that was provided from your genetic test. If data was not provided then it was not included in the analysis. Some types of genetic tests provide more data than others and you may also want to discuss your genetic testing options with a healthcare professional if you want to confirm that your genetic testing provided comprehensive data on genes associated with sudden death.

Your Genetic Assessment

You are **NOT** predisposed
to Sudden Death



Clinical Significance

This potential condition can have a very significant impact upon your health & wellness.

Your Risk of Sudden Death

You do not have any variations in genes that are associated with sudden death due to a heart arrhythmia.

Actionability

Preventive measures have been shown to help prevent or delay the progression of this condition.

Genetically Tailored Prevention

Additional Information

- ❖ You are not predisposed to sudden death due to a heart arrhythmia.
- ❖ This analysis included both rare and more common genetic causes of sudden death due to an abnormal heartbeat, including:
 - Hypertrophic Cardiomyopathy (HCM)
 - Dilated Cardiomyopathy (DCM)
 - Restrictive Cardiomyopathy (RCM)
 - Long QT Syndrome (LQTS)
 - Arrhythmogenic Right Ventricular Dysplasia (ARVD)
 - Brugada Syndrome
 - Catecholaminergic Polymorphic Ventricular Tachycardia (CPVT)
- ❖ It is important to understand that you may still be at risk of sudden death from other causes that were not assessed here. For instance, you may have cholesterol build-up in the arteries that feed your heart (known as coronary artery disease, or CAD), which would put you at risk of sudden death due to a heart attack. Your healthcare provider will be able to screen you for both early and late stage heart disease and, if necessary, implement interventions.

Additional Resources

- ❖ Here are some additional resources you can use if you would like to learn more about sudden death due to heart arrhythmias:
 - ❖ Sudden Arrhythmia Death Syndromes Foundation: www.sads.org
 - ❖ Cardiac Arrhythmias Research and Education Foundation (C.A.R.E.): www.longqt.org
 - ❖ Hypertrophic Cardiomyopathy Association: www.4hcm.org
 - ❖ Mayo Clinic Hypertrophic Cardiomyopathy Page: www.mayoclinic.org/hypertrophic-cardiomyopathy

Genetic Profile

Disease or Condition

Your Risk Status

Medications

Severe Adverse Reactions to Abacavir

No Increased Risk Detected

Effectiveness of High Dose Atorvastatin (Lipitor®) vs Standard Dose Pravastatin (Pravachol®) to Protect against Coronary Artery Disease

No Additional Benefit Detected

Risk of Adverse Reactions to Statins (Severe Muscle Pain)

LOW RISK OF ADVERSE REACTION (3%)

Aspirin Effectiveness

Normal Effectiveness of Aspirin (Aspirin likely to be effective in protecting against blood clots, heart attacks, and strokes.)

Clopidogrel (Plavix®) Effectiveness

No Increased Risk Detected

Warfarin (Coumadin®) Dosing

No Increased Risk Detected

Adverse Reaction to Nitrous Oxide

You are a carrier of adverse reactions with nitrous oxide due to a single mutation in the MTHFR gene known as A22V

Mercaptopurine and Azathioprine Adverse Reactions due to ITPA

Partial ITPase DEFICIENCY DETECTED - Possible Increased Risk of Adverse Reactions

Mercaptopurine and Azathioprine Dosing & Toxicity due to TPMT

No Increased Risk Detected

Dihydropyrimidine Dehydrogenase Deficiency & Possible 5-FU Toxicity

RISK DETECTED

Susceptibility to Postanesthetic Apnea with Succinylcholine, Mivacurium or Suxamethonium due to BCHE Gene

No Increased Risk Detected

Phenytoin Metabolism & Dosing

Slightly Decreased Metabolism of Phenytoin (Approximate Mean Daily Phenytoin Dose = 309mg)

Adverse Reactions to Sulfonylureas

No Increased Risk Detected

Cancer

Adrenocortical Carcinoma

No Increased Risk Detected

Breast Cancer

Likely Harmless

Breast Cancer with Radiation Exposure

No Increased Risk Detected

Colorectal Cancer

SLIGHTLY INCREASED RISK

Genetic Profile

Disease or Condition

Your Risk Status

Heart & Blood Vessels (Cardiology)

Atrial Fibrillation

INCREASED RISK

MTHFR Deficiency That May Lead to Blood Clots
and Cardiovascular Disease
(Reversible with Special Methyl B Vitamins)

You are a CARRIER of MTHFR Deficiency due to a
single mutation in the MTHFR gene known as
A222V

Salt-sensitive Hypertension

INCREASED RISK

Child Development

Effect of Breastfeeding as a Baby on IQ

BREASTFEEDING AS A BABY MAY INCREASE IQ

Fertility

Congenital Bilateral Absence of Vas Deferens

No Increased Risk Detected

Obstructive Azoospermia

No Increased Risk Detected

Digestive Tract & Liver (Gastroenterology)

Lactose Intolerance

No Increased Risk Detected

Liver Disease

No Increased Risk Detected

Hirschsprung Disease

Increased Risk of approx. 5.7-fold Detected

Blood (Hematology)

Blood Clot Risk due to Factor V

DETECTED: One Factor V Leiden Variant
(Increased Risk of Blood Clots)

Blood Clot Risk due to Prothrombin 20210

No Increased Risk Detected

Blood Clot Risk due to Protein C Deficiency

No Increased Risk Detected

Blood Clot Risk due to Protein S Deficiency

No Increased Risk Detected

Genetic Profile

Disease or Condition

Your Risk Status

Hematology continued

Blood Clot Risk due to Antithrombin III Deficiency	No Increased Risk Detected
Bleeding Risk due to Factor V Deficiency	No Increased Risk Detected
Bleeding Risk – Factor XI Deficiency	No Increased Risk Detected
Bleeding Risk – Von Willebrand Disease, Type 2M	No Increased Risk Detected
Bleeding Risk due to Prothrombin Deficiency	No Increased Risk Detected
Bleeding Risk – Von Willebrand Disease, Type 1	No Increased Risk Detected
Bleeding Risk – Von Willebrand Disease, Type 2B	No Increased Risk Detected
Hemochromatosis	No Increased Risk Detected
Drug-induced Hemolysis	No Increased Risk Detected
Hemolytic Anemia due to Triosephosphate Isomerase Deficiency	No Increased Risk Detected
Homocystinuria	No Increased Risk Detected
Thrombotic Thrombocytopenic Purpura	No Increased Risk Detected
Idiopathic Pancreatitis	No Increased Risk Detected
Susceptibility to Lead Poisoning due to ALAD Gene	Normal Susceptibility

Neurology

Brain Aneurysm	INCREASED RISK
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Pulmonology

Alpha-1-Antitrypsin Deficiency	No Increased Risk Detected
Asthma	RISK DETECTED
Bronchiectasis	No Increased Risk Detected

Genetic Profile

Disease or Condition

Your Risk Status

Pulmonology continued

Emphysema

No Increased Risk Detected

Chronic Respiratory Disease

No Increased Risk Detected

Infectious Disease

Resistance to HIV Infection

No Resistance Detected

Susceptibility to West Nile Virus

Normal Susceptibility

Recurrent Bacterial Infections

No Increased Risk Detected

Increased Risk of Disseminated Infection with
Mycobacterium avium and Salmonella
enteritidis

Possible Increased Risk of Disseminated Infection
with Mycobacterium avium and Salmonella
enteritidis

Hearing (Audiology)

Noise-induced Hearing Loss

INCREASED RISK

Analysis Alerts

This page contains important information about the analysis of your genetic data. The alerts below are provided so that you are aware of any limitations that were identified during the analysis of your data. You may want to discuss the alerts with your healthcare professional.

Additional information about alerts: <https://sequencing.com/knowledge-center/app-alerts>

Ambiguity in genetic data

- ✓ No ambiguity exists in the genetic data.

Incomplete genetic data

While the genetic data file contained a lot of useful data, it did not contain enough data for a complete analysis.

As a generic example, this app may attempt to analyze 20 different genetic variants in-order to provide a risk assessment for condition X. While many genetic data files do contain data for all 20 variants, some genetic data files only contain data for 18 out of the 20. Some files may even only provide data on just two or three variants out of the 20.

The analysis conducted by this app will use whatever data is available and will also provide this alert if data isn't available for 100% of the variants that the app is configured to analyze.

The results may be different if more data was available. The genetic data was incomplete for the diseases, conditions and traits listed below. If not listed below then the data for that disease, condition or trait was complete.

Disease, Condition, Trait or Medication	Available Data used for analysis	Your Analysis available variants	Required for Full Analysis total known variants
Increased Risk Of Breast And/or Ovarian Cancer	99.9%	617 5	6179
Increased Risk Of Breast Cancer And/or Ovarian Cancer With Radiation Exposure	99.9%	607 3	6077
Variant Of Unknown Significance (possibly Associated With Breast And/or Ovarian Cancer)	99.9%	516 7	5171
Likely Harmless Variant (previously Associated With Variant Of Unknown Significance)	99.9%	778	779
Likely Harmless Variant (previously Associated With Breast And/or Ovarian Cancer)	99%	289 5	2926
Hypertrophic Cardiomyopathy	99%	88	89
Warfarin (Coumadin®) Dosing	98%	52	53
Central Core Disease	94%	16	17
Coronary Heart Disease	83%	5	6
Noise-induced Hearing Loss	75%	3	4

No genetic data (analysis not possible)

- ✓ All diseases, traits and conditions were analyzed.

Your Genetic Testing Data

Variant ID column lists the exact position that was tested for within the gene listed in column #2. This variant ID can be thought of as the exact "GPS coordinate" within the gene.

Gene column refers to the gene that's being tested for in that row.

No Risk column refers to the letter of the genetic code that is usually not associated with having an increased or decreased risk of the disease, condition, or trait listed in column #6.

Risk column refers to the letter of the genetic code that is likely to be associated with having either an increased or decreased risk of the disease, condition, or trait listed in column #6.

Your Genetic Makeup column refers to the exact letters of YOUR genetic makeup at that position (column #1) in that gene (column #2). Single most genes come in pairs, there are usually two letters at each position. If only one letter is listed, this means you only have one copy of that gene (which is perfectly normal for some genes).

The letters of the genetic code are G, A, T, and C. You may also see an I (Insertion) or D (Deletion). Two dashed lines "--" means that variant's data did not pass quality control and therefore the data was excluded from your analysis.

Condition / Trait Assessed column lists what exactly is being analyzed at that specific position within the gene listed in column #2.

Reference(s) column refers to the scientific research studies that found that the specific position (column #1) within the gene (column #2) is associated with the specific disease, condition, or trait listed in column #6. You can find these papers by either searching pubmed.com or Google for the reference listed (one at a time) along with the Gene and the name of the condition.

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
44	ACTN3	C	T	CT	Athletic Predisposition	North (1999), Suminaga (2000), Yang (2003), MacArthur (2004), Niemi (2005), Lucia (2006), MacArthur (2007), Moran (2007), Roth (2007), Santiago (2008), Eynon (2009), Shang (2010), Berman (2010), Gentil (2011), Hagberg (2011), Chiu (2011), Cięszczyk (2011), Puthucheary (2011), Eynon (2011), Shang (2012), Pimenta (2012), Zilberman-Schapira (2012), Mehlman (2012), Kikuchi (2012), Eynon (2012), Eynon (2013), Tucker (2013), Ahmetov (2013), Guth (2013), Grealy (2013), Pimenta (2013), Seto (2013), Maffulli (2013), Massidda (2014), Mikami (2014), Morucci (2014), Garatachea (2014), Kim (2014), Tringali (2014), Kikuchi (2015), Orysiak (2015), Ben-Zaken (2015), Ahmetov (2015), Deschamps (2015), Head (2015), Kikuchi (2015), Coelho (2016), Sarzynski (2016), Pasqua (2016), Garton (2016), Papadimitriou (2016), Baumert (2016), Lee (2016), Del Coso (2017), Dionísio (2017), Galeandro (2017), Li (2017), Yang (2017)
70740	MTCYB	G	A	G	Insurmountable Exercise-induced Fatigue	Bouzidi (1993), Dumoulin (1996), Andreu (1999), Katirji (2013)
40652	AMPD1	G	A	GG	Surmountable Exercise-induced Fatigue	Morisaki (1992), Rico-Sanz (2003), Lucia (2005), Ruiz (2009), Eynon (2013)
73822	MTTG	T	C	T	Insurmountable Exercise-induced Fatigue	Nishigaki (2002), Kitzman (2008), Bhatia (2015)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
19985	HBB	T	A	TT	Exercise-induced Muscle Damage (Sickle Cell Trait)	Ingram (1956), Ingram (1959), Serjeant (1968), Dozy (1978), Mears (1981), Kan (1982), Orkin (1982), Antonarakis (1984), Pagnier (1984), Nagel (1985), Kulozik (1986), Jenkins (1987), Embury (1987), Ragusa (1988), Sammarco (1988), Barany (1991), Lapoumeroulie (1992), Zeng (1994), Currat (2002), Romero (2002), Kwiatkowski (2005), Serjeant (2007), Modiano (2008), Center for Pediatric Genomic Medicine of Children's Mercy Hospital and Clinics (2014), Emory Genetics Laboratory of Emory University (2014), Genetic Services Laboratory of the University of Chicago (2015), GeneDx (2016), Division of Human Genetics of Children's Hospital of Philadelphia (2016)
68422	20p11.22	G	A	A	Androgenic Alopecia	Richards (2008), Hilmer (2008)
74786	AR	G	A	G	Androgenic Alopecia	Hilmer (2005)
51092	CDKN2A	C	A	??	Melanoma	Ruiz (1999), Rajasekaran (2008)
51093	CDKN2A	G	A	GG	Melanoma	Ranade (1995)
51116	CDKN2A	G	T	GG	Melanoma	Niendorf (2006)
51118	CDKN2A	C	T	CC	Melanoma	Fitzgerald (1996)
51103	CDKN2A	C	A	CC	Melanoma, Cutaneous Malignant	MacGeoch (1994), Holland (1995), Hayward, (1996), Borg (1996), Liu (1999), Liu (1999)
51126	CDKN2A	C	G	CC	Melanoma, Cutaneous Malignant	Holland (1995), Monzon (1998), MacKie (1998)
51119	CDKN2A	C	T	CC	Melanoma	Holland (1999)
51120	CDKN2A	A	G	AA	Melanoma	Soufir (1998)
51121	CDKN2A	A	C	AA	Melanoma	Goldstein (2000)
51145	CDKN2A	C	G	CC	Melanoma, Cutaneous Malignant	Walker (1995), Harland (1997), Monzon (1998), Pollock (1998), MacKie (1998)
51152	CDKN2A	A	C	AA	Melanoma, Cutaneous Malignant	Soufir (1998), Ruiz (1999), Yakobson (2001), Yakobson (2003)
51183	CDKN2A	C	A	CC	Melanoma, Cutaneous Malignant	Hussussian (1994), Mori (1994), Whelan (1995), Ciotti (1996)
51124	CDKN2A	C	A	CC	Melanoma	Blackwood (2002)
51125	CDKN2A	C	T	CC	Melanoma	Soufir (1998)
51127	CDKN2A	C	A	CC	Melanoma	Ghiorzo (2006)
51197	CDKN2A	C	G	CC	Melanoma, Cutaneous Malignant	Hewitt (2002)
51199	CDKN2A	A	T	AA	Melanoma, Cutaneous Malignant	Goldstein (2001)
51128	CDKN2A	A	C	AA	Melanoma	Blackwood (2002)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
51129	CDKN2A	A	G	AA	Melanoma	Walker (1995)
51130	CDKN2A	C	T	CC	Melanoma	Goldstein (2006)
51212	CDKN2A	T	C	TT	Melanoma, Cutaneous Malignant	Harland (2001)
102407	9p21	A	G	AG	Melanoma	Bishop (2009)
102405	22q13	A	G	AG	Melanoma	Bishop (2009)
51131	CDKN2A	C	G	CC	Melanoma	Walker (1995)
51132	CDKN2A	C	G	CC	Melanoma	Holland (1999)
51133	CDKN2A	G	C	GG	Melanoma	Goldstein (2006)
102409	MATP	C	G	GG	Melanoma	Duffy (2009) , Fernandez (2008) , Guedj (2008)
9162	MC1R	G	A	GG	Melanoma	Landi (2006)
101962	MC1R	G	T	GG	Melanoma	Landi (2006)
51134	CDKN2A	G	T	GG	Melanoma	MacKie (1998)
51135	CDKN2A	G	A	GG	Melanoma	Platz (1997)
51137	CDKN2A	A	G	AA	Melanoma	Ranade (1995)
51138	CDKN2A	A	C	AA	Melanoma	Lal (2000)
51140	CDKN2A	T	C	TT	Melanoma	Walker (1995)
51141	CDKN2A	G	A	GG	Melanoma	Bartsch (2002)
102406	PIGU	G	A	GG	Melanoma	Brown (2008)
74814	TYRP1	T	C	CC	Melanoma	Gudbjartsson (2008), Duffy (2010)
9169	MC1R	C	T	CC	Melanoma	Landi (2006)
101976	MC1R	G	A	GG	Melanoma	Landi (2006)
51142	CDKN2A	C	A	CC	Melanoma	Goldstein (2006)
51143	CDKN2A	A	G	AA	Melanoma	Orlow (2001)
51146	CDKN2A	T	C	TT	Melanoma	Yang (2004)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
101977	MC1R	T	C	TC	Melanoma	Landi (2006)
102090	MC1R	C	A	CC	Melanoma	Landi (2006)
73103	OCA2	T	C	CC	Melanoma	Duffy (2010), Sturm (2008), Chatzinasios (2010)
100964	TYR	G	A	GA	Melanoma	Bishop (2009)
51147	CDKN2A	C	A	CC	Melanoma	Chaubert (1997)
51148	CDKN2A	C	A	CC	Melanoma	Soufir (1998)
51149	CDKN2A	G	A	GG	Melanoma	Soufir (1998)
102404	CDK10	G	A	GG	Melanoma	Bishop (2009)
9247	CDK4	G	A	GG	Melanoma	Zuo (1996), Soufir (1998)
9259	CDK4	C	T	CC	Melanoma	Grimstvedt (1969), Soufir (1998), Molven (2005)
51150	CDKN2A	G	A	GG	Melanoma	Hussussian (1994)
51154	CDKN2A	A	G	AA	Melanoma	Soufir (1998)
51155	CDKN2A	A	G	AA	Melanoma	Goldstein (2007)
9260	CDK4	T	C	TT	Melanoma	Guldberg (1997)
9261	CDK4	C	T	CC	Melanoma	Holland (1999)
800946	CDKN2A	C	A	CC	Melanoma	MacGeoch (1994), Holland (1995), Borg (1996), Hayward (1996), Liu (1999)
51156	CDKN2A	A	G	AA	Melanoma	Landi (2004)
51159	CDKN2A	C	T	CC	Melanoma	Rizos (2001)
51160	CDKN2A	C	G	CC	Melanoma	Bishop (1999)
800949	CDKN2A	C	G	CC	Melanoma	Walker (1995), Harland (1997), Monzon (1998), MacKie (1998)
800950	CDKN2A	A	C	AA	Melanoma	Soufir (1998), Ruiz (1999), Yakobson (2001), Yakobson (2003)
51161	CDKN2A	G	A	GG	Melanoma	Fitzgerald (1996)
51162	CDKN2A	T	C	TT	Melanoma	Goldstein (2006)
51163	CDKN2A	G	C	GG	Melanoma	Soufir (2004)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
800951	CDKN2A	C	A	CC	Melanoma	Hussussian (1994), Mori (1994), Whelan (1995), Ciotti (1996)
800952	CDKN2A	A	T	AA	Melanoma	Goldstein (2001)
51164	CDKN2A	T	C	TT	Melanoma	Hussussian (1994)
51165	CDKN2A	T	A	TT	Melanoma	Fargnoli (1998)
51166	CDKN2A	G	T	GG	Melanoma	Soufir (1998)
51211	CDKN2A	C	A	CC	Melanoma	Lynch (2002)
800953	CDKN2A	T	C	TT	Melanoma	Harland (2001)
51167	CDKN2A	C	A	CC	Melanoma	Mantelli (2004)
51168	CDKN2A	T	G	TT	Melanoma	Soufir (2004)
51169	CDKN2A	G	A	GG	Melanoma	Orlow (2001)
51170	CDKN2A	G	T	GG	Melanoma	Lang (2005)
51172	CDKN2A	T	G	TT	Melanoma	Orlow (2001)
51173	CDKN2A	C	T	CC	Melanoma	Fitzgerald (1996)
51174	CDKN2A	G	C	GG	Melanoma	Lynch (2002)
51175	CDKN2A	G	A	GG	Melanoma	Ruiz (1999)
51177	CDKN2A	C	G	CC	Melanoma	Hussussian (1994)
51179	CDKN2A	A	T	AA	Melanoma	Avbelj (2003)
51180	CDKN2A	A	C	AA	Melanoma	Soufir (1998)
51182	CDKN2A	C	G	CC	Melanoma	Soufir (1998)
51187	CDKN2A	G	T	GG	Melanoma	Fujimoto (1999)
51188	CDKN2A	G	A	GG	Melanoma	Fitzgerald (1996)
51189	CDKN2A	C	T	CC	Melanoma	Foulkes (1997)
51190	CDKN2A	C	T	CC	Melanoma	Stratigos (2006)
51191	CDKN2A	G	C	GG	Melanoma	Rizos (2001)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
51192	CDKN2A	G	A	GG	Melanoma	Fargnoli (1998)
51193	CDKN2A	G	A	GG	Melanoma	Auroy (2001)
51195	CDKN2A	C	T	CC	Melanoma	Harland (1997)
51196	CDKN2A	C	A	CC	Melanoma	Yakobson (2000)
51198	CDKN2A	C	G	CC	Melanoma	Holland (1999)
51200	CDKN2A	C	G	CC	Melanoma	Lynch (2002)
51204	CDKN2A	G	A	GG	Melanoma	Soufir (2004)
51205	CDKN2A	T	A	TT	Melanoma	Orlow (2001)
51206	CDKN2A	G	C	GG	Melanoma	Harland (2005)
51207	CDKN2A	C	G	CC	Melanoma	Chaubert (1997)
51208	CDKN2A	C	G	CC	Melanoma	Petronzelli (2001)
51209	CDKN2A	T	G	TT	Melanoma	Lynch (2002)
51211	CDKN2A	C	A	CC	Melanoma	Lynch (2002)
51213	CDKN2A	C	T	CC	Melanoma	Peris (2004)
51215	CDKN2A	C	A	CC	Melanoma	Hussussian (1994)
51220	CDKN2A	G	A	GG	Melanoma	Soufir (2004)
51221	CDKN2A	T	C	TT	Melanoma	Harland (2005)
51223	CDKN2A	C	T	CC	Melanoma	Harland (2005)
51224	CDKN2A	C	G	CC	Melanoma	Hewitt (2002)
51225	CDKN2A	A	G	AA	Melanoma	Harland (2005)
51213	CDKN2A	C	T	CC	Melanoma	Peris (2004)
45635	BRCA2	A	G	AA	Increased Risk of Melanoma	Scott (2002)
70073	HLA-DRB1	G,C,T	A	CC	Risk of Multiple Sclerosis (Vitamin D supplementation advised)	Acheson (1960), Nieves (1994), Fogdell (1995), Willer (2005), Munger (2006), Smolders (2008), Ramagopalan (2008), Ramagopalan (2009), Handunnetthi (2010), Wu (2010), Benesová (2011), Lonergan (2011)
6656	KCNJ2	T	C	TT	Ventricular Tachycardia, Polymorphic	Chun (2004)

Your Genetic Testing Data

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4317	KCNH2	C	T	CC	Sudden Infant Death Syndrome	Arnestad (2007)
39161	DES	C	T	CC	Restrictive Cardiomyopathy	Arbustini (2006)
39186	DES	C	T	CC	Restrictive Cardiomyopathy	Arbustini (2006)
3262	TNNI3	G	A	GG	Restrictive Cardiomyopathy	Perry (1999), Mogensen (2003)
3269	TNNI3	T	C	TT	Restrictive Cardiomyopathy	Perry (1999), Mogensen (2003)
3273	TNNI3	C	T	CC	Restrictive Cardiomyopathy	Perry (1999), Mogensen (2003)
100744	MTTL1	C	T	C	Hypertrophic Cardiomyopathy	Silvestri (1994), Bruno (1999)
71853	MTTL1	T	C	T	Sudden Infant Death Syndrome NOS	Opdal (1999)
100776	ANKRD1	G	C	GG	Possible Dilated Cardiomyopathy	Duboscq-Bidot (2009)
1917	SCN5A	C	A	CC	Possible Cause of Sudden Infant Death Syndrome	Ackerman (2001), Darbar (2008)
100680	MTTI	T	C	T	Dilated Cardiomyopathy	Taniike (1992)
100679	MTTI	T	C	T	Hypertrophic Cardiomyopathy	Merante (1996), Scaglia (2008)
100726	MTTQ	D	I	D	Hypertrophic Cardiomyopathy	Dey (2000), Graham (1997)
2729	KCNQ1	C	T	CC	Long QT Syndrome, Type 1	Wang (1996), Russell (1996), Wang (1996), Li (1998)
2525	KCNE2	C	G	--	Long QT Syndrome, Drug-induced	Abbott (1999), Ackerman (2003)
1991	SCN5A	C	T	CC	Long QT Syndrome	Napolitano (2005)
1995	SCN5A	C	T	--	Long QT Syndrome	Tester (2005)
2004	SCN5A	C	T	--	Long QT Syndrome	Larsen (2001)
2815	KCNQ1	G	T	GG	Long QT syndrome	Splawski (2000)
2816	KCNQ1	A	G	AA	Long QT syndrome	Fodstad (2004)
2817	KCNQ1	G	A	GG	Long QT syndrome	Li (1998), Kanters (1998), Murray (1999), Murray (1999)
2513	KCNE2	A	G	--	Long QT Syndrome, Drug-induced	Abbott (1999), Sesti (2000), Paulussen (2004), Roden (2004), Gouas (2007), Nakajima (2007), Marjamaa (2009)
3165	KCNE1	C	T	CC	Long QT Syndrome	Ma (2003)
2818	KCNQ1	G	A	GG	Long QT syndrome	Berge (2005)

Your Genetic Testing Data

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2819	KCNQ1	G	C	GG	Long QT syndrome	Li (1998), Kanters (1998), Murray (1999), Murray (1999)
3171	KCNE1	C	A	CC	Long QT Syndrome	Bianchi (1999)
800867	KCNE1	C	T	CC	Long QT Syndrome	Splawski (1997), Schulze-Bahr (1997), Duggal (1998), Hoppe (2001), Seeböhm (2008), Chen (2009)
100678	MTTI	T	C	T	Hypertrophic Cardiomyopathy	Taylor (2003)
73821	MTTG	T	C	T	Hypertrophic Cardiomyopathy	Merante (1994)
1891	SCN5A	G	A	--	Long QT syndrome, drug-associated	Yang (2002)
1932	SCN5A	A	G	AA	Long QT syndrome, drug-associated	Yang (2002)
1987	SCN5A	A	G	AA	Long QT syndrome, drug-associated	Makita (2002)
2821	KCNQ1	G	T	GG	Long QT syndrome	Tester (2005)
3156	KCNE1	C	T	CC	Long QT Syndrome	Splawski (2000)
3178	KCNE1	G	A	GG	Long QT Syndrome	Splawski (2000)
3179	KCNE1	C	T	CC	Long QT Syndrome	Schulze-Bahr (2001)
3180	KCNE1	G	T	GG	Long QT Syndrome	Splawski (2000)
2529	KCNE2	T	C	TT	Long QT Syndrome 7	Abbott (1999)
2528	KCNE2	T	C	TT	Long QT Syndrome 6	Abbott (1999)
3165	KCNE1	C	C	--	Long QT Syndrome	Ma (2003)
2506	ANK2	C	A	--	Ventricular Tachycardia and Ventricular Fibrillation	Mohler (2004)
68616	MTTK	A	G	A	Hypertrophic Cardiomyopathy	Silvestri (1993), Rutledge (1981), Shoffner (1990), Yoneda (1990), Berkovic (1991), Seibel (1991), Shih (1991), Tanno (1991), Zeviani (1991), Noer (1991), Lertrit (1992), Shoffner (1992), Penisson-Besnier (1992), Hammans (1993), Chomyn (1998)
3174	KCNE1	G	A	GG	Long QT Syndrome 5	Splawski (1997)
3175	KCNE1	C	T	CC	Long QT Syndrome 5	Splawski (1997), Schulze-Bahr (1997), Duggal (1998)
1958	SCN5A	C	T	CC	Long QT Syndrome 3	Makita (1998), Kambouris (2000), Miller (2004), Miller (2004), Millat (2006)
3169	KCNE1	G	A	GG	Long QT Syndrome	Shim (2005)
3170	KCNE1	C	T	CC	Long QT syndrome	Napolitano (2005)

Your Genetic Testing Data

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3171	KCNE1	C	A	CC	Long QT syndrome	Bianchi (1999)
73820	MTTG	T	C	--	Possible Sudden Death NOS	Santorelli (1996), Tomari (2003), Scaglia (2008)
6952	DSG2	G	A	--	Increased RiskArrhythmogenic Right Ventricular Dysplasia	Syrris (2007), Posch (2008a), Posch (2008b), Christensen (2010), Quarta (2011)
6956	DSG2	T	G	--	Harmless Variant (previously associated with Arrhythmogenic Right Ventricular Dysplasia, Familial)	Syrris (2007), Posch (2008)
6965	DSG2	T	G	--	Harmless Variant (previously associated with Arrhythmogenic Right Ventricular Dysplasia, Familial)	Syrris (2007), Kami (2008), Posch (2008a), Posch (2008b), Christensen (2010)
6760	DSP	G	C	GG	Dilated cardiomyopathy, woolly hair, keratoderma	Alcalai (2003)
6757	DSP	C	T	CC	Dilated Cardiomyopathy with Woolly Hair and Keratoderma	Uzumcu (2006)
1984	SCN5A	T	C	TT	Long QT Syndrome 3	Rivolta (2001)
4459	KCNH2	T	A	TT	Long QT Syndrome 2	Splawski (2000), Westenskow (2004)
3172	KCNE1	A	G	AA	Long QT syndrome	Napolitano (2005)
3173	KCNE1	C	G	CC	Long QT syndrome	Lai (2005)
3176	KCNE1	T	C	--	Long QT syndrome	Lai (2005)
6978	PKP2	C	T	--	Harmless Variant (previously associated with Arrhythmogenic Right Ventricular Dysplasia, Familial)	van Tintelen (2006), Koopmann (2007), Krahn (2009), den Haan (2009), Bhuiyan (2009), La Gerche (2010), Klauke (2010), Fressart (2010), Christensen (2010), Zhang (2011), Cox (2011) www.arvcdatabase.info/mutationdetails.aspx?VariantID=7436
4318	KCNH2	C	T	--	Harmless Variant (previously associated with Sudden Infant Death Syndrome)	Arnestad (2007), Rhodes (2008), Klaver (2011)
3311	TPM1	A	C	AA	Hypertrophic Cardiomyopathy	Yamauchi-Takahara (1996)
25791	MYO6	A	G	AA	Hypertrophic Cardiomyopathy	Mohiddin (2004)
1572	MYH7	C	T	CC	Hypertrophic Cardiomyopathy	Moolman-Smook (1999),
1579	MYH7	C	T	CC	Hypertrophic Cardiomyopathy	Rosenzweig (1991), Stravopodis (2003)
73817	MTTH	G	A	G	Dilated Cardiomyopathy	Shin (2000), Mimaki (2003)
2662	KCNQ1	G	C	GG	Long QT Syndrome 1	Millat (2006)
2728	KCNQ1	C	A	CC	Long QT Syndrome 1	Wang (1996), Berthet (1999), Berthet (1999)
802234	MTND6	T	C	T	Hypertrophic Cardiomyopathy	Rutledge (1981), Ugalde (2003), Solano (2003)
40579	CAV3	C	G	CC	Hypertrophic Cardiomyopathy	Hayashi (2004)

Your Genetic Testing Data

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3177	KCNE1	A	G	AA	Long QT syndrome	Bianchi (1999)
3178	KCNE1	G	A	GG	Long QT syndrome	Splawski (2000)
3179	KCNE1	C	T	CC	Long QT syndrome	Schulze-Bahr (2001)
1657	MYH7	G	A	GG	Hypertrophic Cardiomyopathy	Watkins (1992), Stravopodis (2003)
2798	KCNQ1	G	A	GG	Long QT Syndrome 1	Piippo (2001), Piippo (2001)
1887	SCN5A	G	T	--	Long QT syndrome ?	Paulussen (2003)
41255	SLC25A4	C	A	CC	Hypertrophic Cardiomyopathy	Palmieri (2005)
100706	MYLK2	C	T	CC	Hypertrophic Cardiomyopathy	Davis (2001)
1679	MYH7	C	T	CC	Hypertrophic Cardiomyopathy	Watkins (1992)
3180	KCNE1	G	T	GG	Long QT syndrome	Splawski (2000)
4256	KCNH2	A	C	AA	Long QT Syndrome	Benson (1996)
4257	KCNH2	C	G	CC	Long QT Syndrome	Fodstad (2004)
4442	KCNH2	G	A	GG	Long QT syndrome ?	Shim (2005)
2504	ANK2	A	G	AA	Long QT Syndrome	Mohler (2003)
100707	MYLK2	C	A	--	Hypertrophic Cardiomyopathy	Davis (2001)
2205	LMNA	G	T	GG	Hypertrophic Cardiomyopathy	Caux (2003), Chen (2003), Hegele (2003), Vigouroux (2003), Jacob (2005)
1718	MYH7	C	T	CC	Hypertrophic Cardiomyopathy	Lascone (2001), Ware (2007)
1720	MYH7	T	C	TT	Hypertrophic Cardiomyopathy	Harada (1993)
800979	KCNH2	C	A	CC	Long QT Syndrome	Fodstad (2004)
800980	KCNH2	C	T	CC	Long QT Syndrome	Fodstad (2004)
4262	KCNH2	T	G	TT	Long QT Syndrome	Paulussen (2002), Paulussen (2002)
2716	KCNQ1	A	C	AA	Long QT Syndrome	Donger (1997)
2812	KCNQ1	A	C	AA	Long QT Syndrome	Splawski (2000)
6652	KCNJ2	A	G	AA	Long QT Syndrome	Fodstad (2004)

Your Genetic Testing Data

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1742	MYH7	C	T	CC	Hypertrophic Cardiomyopathy	Tanjore (2006)
1752	MYH7	C	T	CC	Hypertrophic Cardiomyopathy	Watkins (1992)
4272	KCNH2	C	A	CC	Long QT syndrome	Moss (2002)
4273	KCNH2	T	C	TT	Long QT syndrome	Rossenbacker (2005)
4274	KCNH2	G	T	GG	Long QT syndrome	Splawski (2000)
102362	ANK2	A	G	AA	Long QT Syndrome	Mohler (2003)
6859	RYR2	A	G	AA	Catecholaminergic Polymorphic Ventricular Tachycardia	Bauce (2002)
6869	RYR2	A	G	AA	Catecholaminergic Polymorphic Ventricular Tachycardia	Tester (2004)
6873	RYR2	A	C	AA	Catecholaminergic Polymorphic Ventricular Tachycardia	Tester (2004)
3316	TPM1	G	A	GG	Hypertrophic Cardiomyopathy	Van Driest (2003)
39188	DES	G	A	GG	Hypertrophic Cardiomyopathy	Muntoni (2006)
3313	TPM1	T	C	TT	Hypertrophic Cardiomyopathy	Van Driest (2003)
1760	MYH7	C	T	CC	Hypertrophic Cardiomyopathy	Watkins (1992)
2013	MYBPC3	C	T	CC	Hypertrophic Cardiomyopathy	Konno (2003)
4275	KCNH2	A	C	AA	Long QT syndrome	Khositseth (2004)
4276	KCNH2	T	G	TT	Long QT syndrome	Chen (1999)
4277	KCNH2	G	T	GG	Long QT syndrome	Fodstad (2004)
2507	ANK2	C	A	--	Long QT Syndrome	Mohler (2004)
2509	ANK2	C	T	CC	Long QT Syndrome	Mohler (2004)
2531	KCNE2	C	T	CC	Long QT Syndrome	Millat (2006)
6875	RYR2	A	G	AA	Catecholaminergic Polymorphic Ventricular Tachycardia	Laitinen (2001)
6889	RYR2	A	G	AA	Catecholaminergic Polymorphic Ventricular Tachycardia	Priori (2002)
1449	MYL2	C	T	CC	Hypertrophic Cardiomyopathy	Flavigny (1998), Kabaeva (2002)
2042	MYBPC3	C	T	CC	Hypertrophic Cardiomyopathy	Moolman-Smook (1998)

Your Genetic Testing Data

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2043	MYBPC3	C	T	--	Hypertrophic Cardiomyopathy	Cardim (2005)
4278	KCNH2	T	C	TT	Long QT syndrome	Napolitano (2005)
4279	KCNH2	C	A	CC	Long QT syndrome	Lupoglazoff (2001)
4280	KCNH2	G	T	GG	Long QT syndrome	Splawski (2000)
73689	RYR2	A	G	AA	Catecholaminergic Polymorphic Ventricular Tachycardia	Hofman (2007)
6841	RYR2	C	T	CC	Catecholaminergic Polymorphic Ventricular Tachycardia	Choi (2004)
6844	RYR2	C	T	CC	Catecholaminergic Polymorphic Ventricular Tachycardia	Creighton (2006)
2532	KCNE2	C	T	CC	Long QT Syndrome	Sesti (2000)
2653	KCNQ1	C	T	CC	Long QT Syndrome	Priori (1999)
2660	KCNQ1	C	T	CC	Long QT Syndrome	Franqueza (1999), Chouabe (2000), Dworakowska (2000), Splawski (2000), Zareba (2003), Seebohm (2003), Nemec (2003), Skinner (2004), Choi (2004), Tester (2005), Hofman (2007), Kapplinger (2009), Albertella (2010), Gladding (2010), Matavel (2010)
1452	MYL2	A	G	AA	Hypertrophic Cardiomyopathy	Flavigny (1998)
1459	MYL2	C	T	CC	Possibly associated with Hypertrophic Cardiomyopathy	Poetter (1996), Andersen (2001), Laboratory for Molecular Medicine of Partners HealthCare Personalized Medicine (2013), Biesecker Lab/Human Development Section of the National Institutes of Health (2013), University of Washington Medical Center (2014), Knight Diagnostic Laboratories of the Oregon Health and Sciences University (2016), GeneDx (2017), Invitae (2017)
2045	MYBPC3	T	C	TT	Hypertrophic Cardiomyopathy	Niimura (2002)
2054	MYBPC3	C	T	CC	Hypertrophic Cardiomyopathy	Song (2005)
4281	KCNH2	C	A	CC	Long QT syndrome	Splawski (2000)
4282	KCNH2	C	T	CC	Long QT syndrome	Napolitano (2005)
4283	KCNH2	C	G	CC	Long QT syndrome	Chen (1999)
6847	RYR2	C	T	CC	Catecholaminergic Polymorphic Ventricular Tachycardia	Bauce (2002)
6850	RYR2	C	T	CC	Catecholaminergic Polymorphic Ventricular Tachycardia	Priori (2001)
800866	KCNQ1	C	T	CC	Long QT Syndrome	Wang (1996), Russell (1996), Li (1998)
2759	KCNQ1	C	T	CC	Long QT Syndrome	Splawski (2000)
1460	MYL2	C	T	CC	Hypertrophic Cardiomyopathy	Poetter (1996), Kabaeva (2002)

Your Genetic Testing Data

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1461	MYL2	G	T	GG	Hypertrophic Cardiomyopathy	Andersen (1999)
2059	MYBPC3	G	A	GG	Hypertrophic Cardiomyopathy	Erdmann (2001)
2065	MYBPC3	G	A	GG	Hypertrophic Cardiomyopathy	Niumura (2002)
2075	MYBPC3	C	G	CC	Hypertrophic Cardiomyopathy	Carrier (1997)
4284	KCNH2	G	A	GG	Long QT syndrome	Tester (2005)
4285	KCNH2	C	T	CC	Long QT syndrome	Chen (1999)
4286	KCNH2	C	T	CC	Long QT syndrome	Lupoglazoff (2001)
6851	RYR2	C	T	CC	Catecholaminergic Polymorphic Ventricular Tachycardia	Tan (2005)
6865	RYR2	C	T	CC	Catecholaminergic Polymorphic Ventricular Tachycardia	Priori (2002)
6870	RYR2	C	G	CC	Catecholaminergic Polymorphic Ventricular Tachycardia	Priori (2001)
2764	KCNQ1	C	T	CC	Long QT Syndrome	Tester (2005)
2773	KCNQ1	C	T	CC	Long QT Syndrome	Shimizu (2004)
6679	KCNJ2	C	T	CC	Long QT Syndrome	Haruna (2007)
1463	MYL2	T	C	TT	Hypertrophic Cardiomyopathy	Andersen (2001)
1465	MYL2	T	C	TT	Hypertrophic Cardiomyopathy	Richard (2003)
1476	MYL3	T	C	TT	Hypertrophic Cardiomyopathy	Richard (2003)
2102	MYBPC3	C	T	CC	Hypertrophic Cardiomyopathy	Driest (2004)
2110	MYBPC3	C	T	CC	Hypertrophic Cardiomyopathy	Niumura (2002)
2115	MYBPC3	C	T	CC	Hypertrophic Cardiomyopathy	Erdmann (2001)
4287	KCNH2	T	G	TT	Long QT syndrome	Napolitano (2005)
4288	KCNH2	T	C	TT	Long QT syndrome	Napolitano (2005)
4289	KCNH2	C	G	CC	Long QT syndrome	Napolitano (2005)
6876	RYR2	C	T	CC	Catecholaminergic Polymorphic Ventricular Tachycardia	Priori (2001)
6890	RYR2	C	T	CC	Catecholaminergic Polymorphic Ventricular Tachycardia	Laitinen (2003)

Your Genetic Testing Data

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40582	CAV3	C	T	--	Long QT Syndrome	Vatta (2006), Reijneveld (2006), Heart Rhythm. (May 2006, PMID: 16688893), Cronk (2007), Arnestad (2007), Crotti (2008), www.accert.org
40587	CAV3	C	G	CC	Long QT Syndrome	Vatta (2006)
2508	ANK2	G	A	GG	Long QT Syndrome	Mohler (2007)
1478	MYL3	C	T	CC	Hypertrophic Cardiomyopathy	Olson (2002)
1479	MYL3	T	C	TT	Hypertrophic Cardiomyopathy	Poetter (1996)
2119	MYBPC3	C	T	CC	Hypertrophic Cardiomyopathy	Cardim (2005)
2123	MYBPC3	T	C	TT	Hypertrophic Cardiomyopathy	Bonne (1995)
4290	KCNH2	C	T	CC	Long QT syndrome	Van Langen (2003)
4291	KCNH2	A	C	AA	Long QT syndrome	Chen (1999)
4292	KCNH2	A	G	AA	Long QT syndrome	Napolitano (2005)
6853	RYR2	G	T	GG	Catecholaminergic Polymorphic Ventricular Tachycardia	Priori (2002)
6857	RYR2	G	A	GG	Catecholaminergic Polymorphic Ventricular Tachycardia	Tester (2005)
6861	RYR2	G	T	GG	Catecholaminergic Polymorphic Ventricular Tachycardia	Creighton (2006)
2530	KCNE2	G	A	GG	Long QT Syndrome	Isbrandt (2002)
2593	KCNQ1	G	C	GG	Long QT Syndrome	Donger (1997)
2628	KCNQ1	G	A	GG	Long QT Syndrome	Splawski (1998)
2125	MYBPC3	C	T	CC	Hypertrophic Cardiomyopathy	Jaaskelainen (2002)
2127	MYBPC3	C	T	CC	Hypertrophic Cardiomyopathy	Song (2005)
2129	MYBPC3	C	T	CC	Hypertrophic Cardiomyopathy	Lekanne Deprez (2006)
1480	MYL3	C	T	CC	Hypertrophic Cardiomyopathy	Poetter (1996)
1815	SCN5A	G	T	--	Cardiac Arrhythmia	Splawski (2002), Chen (2002), Plant (2006)
4293	KCNH2	T	C	TT	Long QT syndrome	Chen (1999)
4294	KCNH2	C	G	CC	Long QT syndrome	Napolitano (2005)
4295	KCNH2	G	T	GG	Long QT syndrome	Splawski (2000)

Your Genetic Testing Data

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6862	RYR2	G	A	GG	Catecholaminergic Polymorphic Ventricular Tachycardia	Choi (2004)
6863	RYR2	G	C	GG	Catecholaminergic Polymorphic Ventricular Tachycardia	Priori (2001)
4296	KCNH2	G	A	GG	Long QT syndrome	Napolitano (2005)
4297	KCNH2	C	G	CC	Long QT syndrome	Chen (1999)
4298	KCNH2	G	A	GG	Long QT syndrome	Splawski (2000)
2639	KCNQ1	G	A	GG	Long QT Syndrome	Wang (1996), Jongbloed (1999), Moss (2007), Zhang (2008)
2667	KCNQ1	G	A	GG	Long QT Syndrome	Wang (1996), Wedekind (2004)
2132	MYBPC3	C	T	CC	Hypertrophic Cardiomyopathy	Konno (2006)
2134	MYBPC3	T	C	--	Hypertrophic Cardiomyopathy	Carrier (1997)
2149	MYBPC3	C	T	CC	Hypertrophic Cardiomyopathy	Carrier (1997)
6866	RYR2	G	T	GG	Catecholaminergic Polymorphic Ventricular Tachycardia	Tester (2005)
6867	RYR2	G	A	GG	Catecholaminergic Polymorphic Ventricular Tachycardia	Priori (2002)
6868	RYR2	G	A	GG	Catecholaminergic Polymorphic Ventricular Tachycardia	Tan (2005)
1885	SCN5A	C	T	CC	Brugada syndrome ?	Takahata (2003)
100801	GPD1L	A	G	--	Brugada Syndrome	Norstrand (2007)
4299	KCNH2	G	A	GG	Long QT syndrome	Tester (2005)
4300	KCNH2	A	C	AA	Long QT syndrome	Chen (1999)
4301	KCNH2	A	G	AA	Long QT syndrome	Jongbloed (2002)
2824	PRKAG2	G	T	GG	Hypertrophic Cardiomyopathy	Arad (2002)
2837	PRKAG2	C	T	CC	Hypertrophic Cardiomyopathy	Gollob (2001), Arad (2002)
6872	RYR2	G	A	GG	Catecholaminergic Polymorphic Ventricular Tachycardia	Tester (2004)
6878	RYR2	G	A	GG	Catecholaminergic Polymorphic Ventricular Tachycardia	Veronese (2004)
6879	RYR2	G	A	GG	Catecholaminergic Polymorphic Ventricular Tachycardia	Choi (2004)
68193	GPD1L	C	T	CC	Brugada Syndrome	Weiss (2002), London (2007)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
70515	CACNA1C	C	T	CC	Brugada Syndrome	Antzelevitch (2007), Burashnikov (2010)
4302	KCNH2	A	G	AA	Long QT syndrome	Larsen (2001)
4303	KCNH2	T	G	TT	Long QT syndrome	Jongbloed (2002)
4304	KCNH2	G	C	GG	Long QT syndrome	Millat (2006)
2679	KCNQ1	G	A	GG	Long QT Syndrome	Donger (1997)
2711	KCNQ1	G	A	GG	Long QT Syndrome	Russell (1996), Hofman (2007)
6880	RYR2	G	A	GG	Catecholaminergic Polymorphic Ventricular Tachycardia	Tester (2005)
6882	RYR2	G	T	GG	Catecholaminergic Polymorphic Ventricular Tachycardia	Laitinen (2001)
4305	KCNH2	C	T	CC	Long QT syndrome	Tester (2005)
4306	KCNH2	T	C	TT	Long QT syndrome	Larsen (2001)
4307	KCNH2	G	A	GG	Long QT syndrome	Lupoglazoff (2001)
73901	CACNB2	C	T	CC	Brugada Syndrome	Antzelevitch (2007)
100798	CACNB2	C	T	CC	Brugada Syndrome	Cordeiro (2009)
2727	KCNQ1	G	A	GG	Long QT Syndrome	Tanaka (1997)
2792	KCNQ1	G	A	GG	Long QT Syndrome	Tester (2005)
2800	KCNQ1	G	A	GG	Long QT Syndrome	Neyroud (1999)
6891	RYR2	G	A	GG	Catecholaminergic Polymorphic Ventricular Tachycardia	Priori (2002)
6892	RYR2	G	A	GG	Catecholaminergic Polymorphic Ventricular Tachycardia	Laitinen (2003)
6877	RYR2	T	G	TT	Catecholaminergic Polymorphic Ventricular Tachycardia	Choi (2004)
2838	PRKAG2	T	C	TT	Hypertrophic Cardiomyopathy	Blair (2001)
2840	PRKAG2	T	A	TT	Hypertrophic Cardiomyopathy	Arad (2002)
2843	PRKAG2	A	G	AA	Hypertrophic Cardiomyopathy	Laforet (2006)
3041	ACTC	T	C	TT	Hypertrophic Cardiomyopathy	Mogensen (2004)
3042	ACTC	G	A	GG	Hypertrophic Cardiomyopathy	Van Driest (2003)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
4308	KCNH2	A	G	AA	Long QT syndrome	Hayashi (2004)
4309	KCNH2	A	C	AA	Long QT syndrome	Moss (2002)
4310	KCNH2	C	T	CC	Long QT syndrome	Thu-Thuy (2004)
70516	CACNA1C	G	A	--	Brugada Syndrome	Antzelevitch (2007), Burashnikov (2010)
2805	KCNQ1	G	A	GG	Long QT Syndrome	Splawski (2000)
2817	KCNQ1	G	A	GG	Long QT Syndrome	Murray (1999), Li (1998), Kanters (1998)
6887	RYR2	T	G	TT	Catecholaminergic Polymorphic Ventricular Tachycardia	Priori (2002)
6888	RYR2	T	C	TT	Catecholaminergic Polymorphic Ventricular Tachycardia	Bagattin (2004)
73825	CASQ2	C	G	CC	Catecholaminergic Polymorphic Ventricular Tachycardia	Lahat (2001)
3043	ACTC	C	A	CC	Hypertrophic Cardiomyopathy	Mogensen (1999)
3044	ACTC	T	G	TT	Hypertrophic Cardiomyopathy	Mogensen (2004)
4311	KCNH2	G	A	--	Long QT syndrome	Swan (1999)
4312	KCNH2	G	T	GG	Long QT syndrome	Tester (2005), GeneDx (2015)
4313	KCNH2	C	A	CC	Long QT syndrome	Tester (2005)
100799	GPD1L	G	A	GG	Brugada Syndrome	Norstrand (2007)
1821	SCN5A	C	T	CC	Brugada Syndrome	Vatta (2002)
40583	CAV3	G	A	GG	Long QT Syndrome	Vatta (2006)
73578	KCNQ1	G	A	GG	Long QT Syndrome	Hofman (2007)
2505	ANK2	T	A	--	Long QT Syndrome	Mohler (2007)
100785	CASQ2	I	D	II	Catecholaminergic Polymorphic Ventricular Tachycardia	Postma (2002)
4314	KCNH2	C	T	CC	Long QT syndrome	Tester (2005)
4315	KCNH2	G	A	GG	Long QT syndrome	Napolitano (2005), Ware (2012)
4316	KCNH2	G	A	GG	Long QT syndrome	Fodstad (2004)
3205	TNNT2	T	G	TT	Hypertrophic Cardiomyopathy	Driest (2003)

Your Genetic Testing Data

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3213	TNNT2	A	T	AA	Hypertrophic Cardiomyopathy	Watkins (1995), Anan (1998)
1840	SCN5A	C	T	CC	Brugada Syndrome	Priori (2002)
1858	SCN5A	C	T	CC	Brugada Syndrome	Priori (2002)
1863	SCN5A	C	T	CC	Brugada Syndrome	Priori (2002)
800865	KCNE2	T	C	TT	Long QT Syndrome	Abbott (1999), Lu (2003), Dumaine (2002)
40584	CAV3	T	G	TT	Long QT Syndrome	Vatta (2006)
4319	KCNH2	C	A	CC	Long QT syndrome	Tester (2005)
4320	KCNH2	G	A	GG	Long QT syndrome	Splawski (2000)
4321	KCNH2	G	T	GG	Long QT syndrome	Millat (2006)
100786	CASQ2	C	T	CC	Catecholaminergic Polymorphic Ventricular Tachycardia	Hofman (2007), Postma (2002)
73577	KCNQ1	T	C	TT	Long QT Syndrome	Hofman (2007)
1813	SCN5A	T	C	TT	Long QT Syndrome	Wang (1995)
3223	TNNT2	C	A	CC	Hypertrophic Cardiomyopathy	Watkins (1995)
3233	TNNT2	C	T	CC	Hypertrophic Cardiomyopathy	Watkins (1993), Thierfelder (1994), Watkins (1996)
1867	SCN5A	C	A	CC	Brugada Syndrome	Vatta (2002)
1872	SCN5A	C	T	CC	Brugada Syndrome	Rossenbacker (2004)
1881	SCN5A	C	A	CC	Brugada syndrome	Baroudi (2004)
4322	KCNH2	G	A	GG	Long QT syndrome	Tester (2005)
4323	KCNH2	G	A	GG	Long QT syndrome	Chevalier (2001)
4324	KCNH2	G	A	GG	Long QT syndrome	Lupoglazoff (2001)
1822	SCN5A	G	A	--	Harmless Variant	Yang (2002)
1980	SCN5A	A	T	AA	Brugada syndrome	Hofman-Bang (2006)
1983	SCN5A	A	G	AA	Brugada syndrome	Rivolta (2001)
100787	CASQ2	G	A	GG	Catecholaminergic Polymorphic Ventricular Tachycardia	Postma (2002)

Your Genetic Testing Data

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1824	SCN5A	G	A	GG	Long QT Syndrome	Viswanathan (2003)
1838	SCN5A	C	A	CC	Long QT Syndrome	Millat (2006)
1877	SCN5A	C	T	CC	Long QT Syndrome	Napolitano (2005)
3254	TNNI3	G	A	GG	Hypertrophic Cardiomyopathy	Murphy (2004)
3282	TNNI3	G	A	GG	Hypertrophic Cardiomyopathy	Van Driest (2003)
1897	SCN5A	T	G	TT	Brugada Syndrome	Priori (2002)
1905	SCN5A	C	T	CC	Brugada Syndrome	Keller (2005)
1909	SCN5A	A	G	AA	Brugada Syndrome	Priori (2002)
4325	KCNH2	G	A	GG	Long QT syndrome	Splawski (2000)
4326	KCNH2	G	A	GG	Long QT syndrome	Larsen (2001), Zhang (2008)
1913	SCN5A	G	A	GG	Brugada Syndrome	Priori (2002)
1933	SCN5A	C	T	CC	Brugada Syndrome	Shin (2004)
800858	SCN5A	G	A	--	Long QT Syndrome	Yang (2002)
1895	SCN5A	G	A	GG	Long QT Syndrome	Tester (2005)
1924	SCN5A	C	T	--	Long QT Syndrome	Vatta (2002), Ackerman (2004), Wang (2004), Wang (2005), Tan (2005), Chen (2005), Hwang (2005), Hwang (2006), Niu (2006), Darbar (2008), Sun (2008), Amin (2011)
3331	TTN	C	A	CC	Hypertrophic Cardiomyopathy	Satoh (1999)
4988	COX15	G	A	GG	Hypertrophic Cardiomyopathy	Kennaway (1990), Antonicka (2003), Oquendo (2004)
6749	DSP	A	G	AA	Arrhythmogenic Right Ventricular Dysplasia	Yang (2006)
6953	DSG2	A	G	AA	Arrhythmogenic Right Ventricular Dysplasia	Pilichou (2006)
6958	DSG2	A	G	AA	Arrhythmogenic Right Ventricular Dysplasia	Pilichou (2006)
4327	KCNH2	G	A	GG	Long QT syndrome	Napolitano (2005)
4328	KCNH2	A	T	AA	Long QT syndrome	Larsen (2001)
4329	KCNH2	C	G	CC	Long QT syndrome	Napolitano (2005)
1947	SCN5A	T	C	TT	Brugada Syndrome	Deschenes (2000)

Your Genetic Testing Data

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1952	SCN5A	C	T	CC	Brugada Syndrome	Smits (2002)
1971	SCN5A	C	T	CC	Brugada Syndrome	Smits (2002)
1937	SCN5A	G	A	GG	Long QT Syndrome	Wattanasirichaigoon (1999)
1939	SCN5A	C	T	CC	Long QT Syndrome	Langen (2003), Hofman (2007)
800859	SCN5A	C	T	CC	Long QT Syndrome	Makita (1998), Kambouris (2000), Miller (2004), Millat (2006)
5004	COX15	G	C	GG	Hypertrophic Cardiomyopathy	Kennaway (1990), Antonicka (2003)
28465	LAMP2	C	T	C	Hypertrophic Cardiomyopathy	Arad (2005), Bertini (2005)
6966	DSG2	A	G	AA	Arrhythmogenic Right Ventricular Dysplasia	Pilichou (2006)
6840	RYR2	C	T	CC	Arrhythmogenic Right Ventricular Dysplasia	d'Amati (2005)
4330	KCNH2	C	T	CC	Long QT syndrome	Napolitano (2005)
4331	KCNH2	A	G	AA	Long QT syndrome	Liu (2002)
4332	KCNH2	T	C	TT	Long QT syndrome	Tester (2005)
100809	SCN3B	A	G	AA	Brugada Syndrome	Hu (2009)
100815	KCNE3	G	A	GG	Brugada Syndrome	Delpon (2008)
1979	SCN5A	C	T	CC	Long QT Syndrome	Wei (1999)
28466	LAMP2	A	G	A	Hypertrophic Cardiomyopathy	Musumeci (2005)
71906	LAMP2	G	T	G	Hypertrophic Cardiomyopathy	Nadeau (2007)
6864	RYR2	C	T	CC	Arrhythmogenic Right Ventricular Dysplasia	Tiso (2001)
6963	DSG2	C	T	CC	Arrhythmogenic Right Ventricular Dysplasia	Pilichou (2006)
73980	TMEM43	C	T	CC	Arrhythmogenic Right Ventricular Dysplasia	Merner (2008)
100803	GPD1L	C	T	CC	Brugada Syndrome	Van Norstrand (2007)
100806	SCN1B	G	A	GG	Brugada Syndrome	Watanabe (2008)
4333	KCNH2	G	A	GG	Long QT syndrome	Tester (2005)
4334	KCNH2	C	T	CC	Long QT syndrome	Sharma (2004)

Your Genetic Testing Data

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4335	KCNH2	G	T	GG	Long QT syndrome	Napolitano (2005)
74465	MYBPC3	I	D	II	Hypertrophic Cardiomyopathy	Dhandapani (2009), Waldmüller (2003)
78854	RAF1	G	A	GG	Hypertrophic Cardiomyopathy	Pandit (2007)
1821	SCN5A	C	T	CC	Brugada Syndrome	Vatta (2002)
1840	SCN5A	C	T	CC	Brugada syndrome	Priori (2002)
6748	DSP	G	A	GG	Arrhythmogenic Right Ventricular Dysplasia	Yang (2006)
6750	DSP	G	A	GG	Arrhythmogenic Right Ventricular Dysplasia	Yang (2006)
100730	MTND5	G	A	G	Hypertrophic Cardiomyopathy	Rutledge (1981), Naini (2005), Blok (2007)
4336	KCNH2	A	G	AA	Long QT syndrome	Napolitano (2005)
4337	KCNH2	T	G	TT	Long QT syndrome	Tester (2005)
4338	KCNH2	G	T	GG	Long QT syndrome	Priori (1999)
1841	SCN5A	C	T	CC	Brugada syndrome	Levy-Nissenbaum (2001)
1842	SCN5A	C	T	CC	Brugada syndrome	Levy-Nissenbaum (2001)
1844	SCN5A	T	C	TT	Brugada syndrome	Vatta (2002)
100689	MYBPC3	D	I	DD	Hypertrophic Cardiomyopathy	Niimura (1998), Moolman (2000)
6756	DSP	G	A	GG	Arrhythmogenic Right Ventricular Dysplasia	Bauce (2005)
6758	DSP	G	T	GG	Arrhythmogenic Right Ventricular Dysplasia	Bauce (2005)
6762	DSP	G	A	GG	Arrhythmogenic Right Ventricular Dysplasia	Bauce (2005)
4339	KCNH2	G	A	GG	Long QT syndrome	Moss (2002)
4340	KCNH2	G	A	GG	Long QT syndrome	Priori (1999)
4341	KCNH2	C	A	--	Long QT syndrome	Liu (2002)
1846	SCN5A	C	T	CC	Brugada syndrome	Smits (2002)
1848	SCN5A	G	A	GG	Brugada syndrome	Makiyama (2005)
1854	SCN5A	G	A	GG	Brugada syndrome	Priori (2002)

Your Genetic Testing Data

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100690	PRKAG2	D	I	GG	Hypertrophic Cardiomyopathy	Blair (2001)
100692	TNNC1	A	T	AA	Hypertrophic Cardiomyopathy	Hoffmann (2001), Schmidtmann (2005)
6843	RYR2	G	A	GG	Arrhythmogenic Right Ventricular Dysplasia	Tiso (2001)
6951	DSG2	G	A	GG	Arrhythmogenic Right Ventricular Dysplasia	Awad (2006)
4342	KCNH2	G	T	GG	Long QT syndrome	Jongbloed (2002)
4343	KCNH2	G	A	GG	Long QT syndrome	Laitinen (2000)
4344	KCNH2	C	A	CC	Long QT syndrome	Tester (2005)
1855	SCN5A	T	C	TT	Brugada syndrome	Priori (2002)
1858	SCN5A	C	T	CC	Brugada syndrome	Priori (2002)
1859	SCN5A	C	T	CC	Brugada syndrome	Niimura (2004)
6959	DSG2	G	A	GG	Arrhythmogenic Right Ventricular Dysplasia	Awad (2006)
100693	TNNC1	G	A	GG	Hypertrophic Cardiomyopathy	Landstrom (2008)
100694	TNNC1	C	T	CC	Hypertrophic Cardiomyopathy	Landstrom (2008)
4345	KCNH2	C	A	CC	Long QT syndrome	Napolitano (2005)
4346	KCNH2	T	C	TT	Long QT syndrome	Curran (1995)
4347	KCNH2	G	A	GG	Long QT syndrome	Tanaka (1997)
1860	SCN5A	C	T	CC	Brugada syndrome	Priori (2002)
1862	SCN5A	C	G	CC	Brugada syndrome	Yi (2003)
1863	SCN5A	C	T	CC	Brugada syndrome	Priori (2002)
6960	DSG2	G	A	GG	Arrhythmogenic Right Ventricular Dysplasia	Pilichou (2006), Delmar (2010), Lai-Cheong (2007)
6961	DSG2	G	A	--	Arrhythmogenic Right Ventricular Dysplasia	Syrris (2007)
100695	TNNC1	G	T	GG	Hypertrophic Cardiomyopathy	Landstrom (2008)
100699	CSRP3	A	C	AA	Hypertrophic Cardiomyopathy	Geier (2003), Geier (2008)
4348	KCNH2	G	A	GG	Long QT syndrome	Inoue (2003)

Your Genetic Testing Data

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4349	KCNH2	T	C	TT	Long QT syndrome	Lupoglazoff (2004)
4350	KCNH2	G	C	GG	Long QT syndrome	Itoh (1998)
6962	DSG2	G	A	GG	Arrhythmogenic Right Ventricular Dysplasia	Awad (2006)
6964	DSG2	G	T	GG	Arrhythmogenic Right Ventricular Dysplasia	Awad (2006)
1864	SCN5A	A	C	AA	Brugada syndrome	Keller (2005)
1867	SCN5A	C	A	CC	Brugada syndrome	Vatta (2002)
1868	SCN5A	C	T	CC	Brugada syndrome	Makiyama (2005)
100700	CSRP3	G	A	GG	Hypertrophic Cardiomyopathy	Geier (2003)
100703	CSRP3	T	G	TT	Hypertrophic Cardiomyopathy	Geier (2008)
100709	TNNT2	I	D	II	Hypertrophic Cardiomyopathy	Kamisago (2000), Townsend (1994), Mogensen (2004)
4351	KCNH2	C	T	CC	Long QT syndrome	Fodstad (2004)
4352	KCNH2	C	T	CC	Long QT syndrome	Jongbloed (2002)
4353	KCNH2	C	G	CC	Long QT syndrome	Napolitano (2005)
6848	RYR2	T	C	TT	Arrhythmogenic Right Ventricular Dysplasia	Tiso (2001)
6735	TGFB3	G	A	GG	Arrhythmogenic Right Ventricular Dysplasia	Beffagna (2005)
100722	MYH6	C	T	CC	Hypertrophic Cardiomyopathy	Niimura (2002)
100771	ANKRD1	G	C	--	Hypertrophic Cardiomyopathy	Arimura (2009)
1869	SCN5A	G	A	GG	Brugada syndrome	Smits (2002)
1870	SCN5A	A	T	AA	Brugada syndrome	Smits (2002)
1872	SCN5A	C	T	CC	Brugada syndrome	Rossenbacker (2004)
4354	KCNH2	C	A	CC	Long QT syndrome	Millat (2006)
4355	KCNH2	C	G	CC	Long QT syndrome	Millat (2006)
4356	KCNH2	C	T	CC	Long QT syndrome	Splawski (2000)
100777	ANKRD1	G	A	GG	Hypertrophic Cardiomyopathy	Arimura (2009)

Your Genetic Testing Data

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6736	TGFB3	C	T	CC	Arrhythmogenic Right Ventricular Dysplasia	Rampazzo (2003), Beffagna (2005)
6919	DSC2	T	C	TT	Arrhythmogenic Right Ventricular Dysplasia	Heuser (2006)
1874	SCN5A	T	C	TT	Brugada syndrome	Itoh (2005)
1881	SCN5A	C	A	CC	Brugada syndrome	Baroudi (2004)
1883	SCN5A	G	A	GG	Brugada syndrome	Smits (2002)
4357	KCNH2	C	A	CC	Long QT syndrome	Napolitano (2005)
4358	KCNH2	G	A	GG	Long QT syndrome	Itoh (1998)
4359	KCNH2	A	G	AA	Long QT syndrome	Swan (1999)
6980	PKP2	G	A	GG	Arrhythmogenic Right Ventricular Dysplasia	Gerull (2004)
6982	PKP2	G	A	GG	Arrhythmogenic Right Ventricular Dysplasia	Tintelen (2006)
1884	SCN5A	C	T	CC	Brugada syndrome	Lai (2005)
1886	SCN5A	A	T	AA	Brugada syndrome	Priori (2000)
1897	SCN5A	T	G	TT	Brugada syndrome	Priori (2002)
6984	PKP2	G	A	GG	Arrhythmogenic Right Ventricular Dysplasia	Syrris (2006)
6985	PKP2	A	G	AA	Arrhythmogenic Right Ventricular Dysplasia	Dalal (2006)
6986	PKP2	C	T	CC	Arrhythmogenic Right Ventricular Dysplasia	Dalal (2006)
4360	KCNH2	C	G	CC	Long QT syndrome	Jongbloed (1999)
4361	KCNH2	A	T	AA	Long QT syndrome	Liu (2002)
4362	KCNH2	C	T	CC	Long QT syndrome	Dausse (1996), Splawski (2000), Zhang (2008)
1901	SCN5A	G	T	GG	Brugada syndrome	Priori (2002)
1902	SCN5A	G	A	GG	Brugada Syndrome	Vatta (2002)
6987	PKP2	G	A	GG	Arrhythmogenic Right Ventricular Dysplasia	Gerull (2004)
6989	PKP2	G	A	GG	Arrhythmogenic Right Ventricular Dysplasia	Gerull (2004)
6990	PKP2	G	A	GG	Arrhythmogenic Right Ventricular Dysplasia	Gerull (2004)

Your Genetic Testing Data

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4363	KCNH2	C	G	CC	Long QT syndrome	Bellocq (2004)
4364	KCNH2	G	A	GG	Long QT syndrome	Curran (1995), Kagan (2000), Splawski (2000)
1903	SCN5A	C	T	CC	Brugada syndrome	Potet (2003)
1905	SCN5A	C	T	CC	Brugada syndrome	Keller (2005)
1906	SCN5A	G	A	GG	Brugada syndrome	Niimura (2004)
4365	KCNH2	T	G	TT	Long QT syndrome	Sharma (2004)
4366	KCNH2	C	T	CC	Long QT syndrome	Berge (2005)
4367	KCNH2	A	G	AA	Long QT syndrome	St-Pierre (2000)
6991	PKP2	T	G	TT	Arrhythmogenic Right Ventricular Dysplasia	Gerull (2004)
6992	PKP2	C	T	CC	Arrhythmogenic Right Ventricular Dysplasia	Tintelen (2006)
6993	PKP2	A	G	AA	Arrhythmogenic Right Ventricular Dysplasia	Tintelen (2006)
1907	SCN5A	A	G	AA	Brugada syndrome	Probst (2006)
1909	SCN5A	A	G	AA	Brugada syndrome	Priori (2002)
1910	SCN5A	C	A	CC	Brugada syndrome	Smits (2002)
4368	KCNH2	C	G	CC	Long QT syndrome	Napolitano (2005)
4369	KCNH2	A	G	AA	Long QT syndrome	Napolitano (2005)
4370	KCNH2	C	A	CC	Long QT syndrome	Csanady (2005)
6994	PKP2	G	A	GG	Arrhythmogenic Right Ventricular Dysplasia	Gerull (2004)
6995	PKP2	G	A	GG	Arrhythmogenic Right Ventricular Dysplasia	Gerull (2004)
6996	PKP2	G	A	GG	Arrhythmogenic Right Ventricular Dysplasia	Gerull (2004)
1911	SCN5A	A	T	AA	Brugada syndrome	Priori (2002)
1912	SCN5A	A	T	AA	Brugada syndrome	Priori (2002)
1913	SCN5A	G	A	GG	Brugada syndrome	Priori (2002)
4256	KCNH2	A	C	AA	Long QT Syndrome	Benson (1996)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
4260	KCNH2	C	T	CC	Bradycardia-induced Long QT Syndrome	Yoshida (2001)
4371	KCNH2	A	G	AA	Long QT syndrome	Swan (1999)
4372	KCNH2	T	G	TT	Long QT syndrome	Tester (2005)
4373	KCNH2	T	C	TT	Long QT syndrome	Napolitano (2005)
6997	PKP2	A	G	AA	Arrhythmogenic Right Ventricular Dysplasia	Gerull (2004)
6998	PKP2	G	T	GG	Arrhythmogenic Right Ventricular Dysplasia	Tintelen (2006)
6999	PKP2	C	T	CC	Arrhythmogenic Right Ventricular Dysplasia	Tintelen (2006)
4374	KCNH2	C	G	CC	Long QT syndrome	Larsen (2000)
4375	KCNH2	C	A	CC	Long QT syndrome	Splawski (1998)
1914	SCN5A	G	A	GG	Brugada syndrome	Priori (2002)
1918	SCN5A	C	T	--	Brugada syndrome	Frustaci (2005)
1919	SCN5A	C	T	CC	Brugada syndrome	Mohler (2004)
7000	PKP2	C	G	CC	Arrhythmogenic Right Ventricular Dysplasia	Gerull (2004)
7002	PKP2	G	A	GG	Arrhythmogenic Right Ventricular Dysplasia	Awad (2006)
7003	PKP2	C	T	CC	Arrhythmogenic Right Ventricular Dysplasia	Gerull (2004)
7004	PKP2	T	C	TT	Arrhythmogenic Right Ventricular Dysplasia	Dalal (2006)
4376	KCNH2	C	T	CC	Long QT syndrome	Napolitano (2005)
4377	KCNH2	T	C	TT	Long QT syndrome	Lupoglazoff (2001)
4378	KCNH2	G	A	GG	Long QT syndrome	Jongbloed (1999)
1922	SCN5A	G	A	GG	Brugada syndrome	Priori (2002)
1925	SCN5A	C	T	CC	Brugada syndrome	Smits (2002)
1930	SCN5A	C	A	CC	Brugada syndrome	Priori (2002)
73690	DSC2	I	D	II	Arrhythmogenic Right Ventricular Dysplasia	Syrris (2006)
73692	DSC2	C	T	--	Arrhythmogenic Right Ventricular Dysplasia	Beffagna (2007), Rampazzo (2008), De Bortoli (2010), Quarta (2011)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
4379	KCNH2	C	A	CC	Long QT syndrome	Napolitano (2005)
4380	KCNH2	T	C	TT	Long QT syndrome	Crotti (2007)
4381	KCNH2	C	T	CC	Long QT syndrome	Swan (1999)
1931	SCN5A	C	G	CC	Brugada syndrome	Priori (2002)
1933	SCN5A	C	T	CC	Brugada syndrome	Shin (2004)
73694	PKP2	C	T	CC	Arrhythmogenic Right Ventricular Dysplasia	Hofman (2007)
100814	JUP	I	D	GG	Arrhythmogenic Right Ventricular Dysplasia	McKoy (2000)
4382	KCNH2	C	A	CC	Long QT syndrome	Splawski (2000)
4385	KCNH2	T	C	TT	Long QT syndrome	Splawski (1998)
4386	KCNH2	G	C	GG	Long QT syndrome	Tester (2005)
1935	SCN5A	A	G	--	Brugada syndrome	Priori (2002)
1938	SCN5A	C	A	CC	Brugada syndrome	Smits (2002)
1943	SCN5A	A	G	AA	Brugada syndrome	Juang (2003)
4262	KCNH2	T	G	TT	Long QT Syndrome	Paulussen (2002)
4387	KCNH2	G	A	GG	Long QT syndrome	Moss (2002)
4388	KCNH2	C	T	CC	Long QT syndrome	Akimoto (1998)
4389	KCNH2	C	T	CC	Long QT syndrome	Jongbloed (1999), Splawski (2000)
1944	SCN5A	C	A	CC	Brugada syndrome	Smits (2002)
1945	SCN5A	C	G	CC	Brugada syndrome	Smits (2002)
1946	SCN5A	C	G	CC	Brugada syndrome	Smits (2002)
4302	KCNH2	A	G	AA	Long QT Syndrome	Larsen (2001)
4320	KCNH2	G	A	GG	Long QT Syndrome	Splawski (2000)
4331	KCNH2	A	G	AA	Long QT Syndrome	Liu (2002)
4390	KCNH2	T	C	TT	Long QT syndrome	Yamaguchi (2005)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
4391	KCNH2	C	T	CC	Long QT syndrome	Splawski (2000), Zhang (2008)
4392	KCNH2	C	G	CC	Long QT syndrome	Napolitano (2005)
1947	SCN5A	T	C	TT	Brugada syndrome	Deschenes (2000)
1952	SCN5A	C	T	CC	Brugada syndrome	Smits (2002)
1953	SCN5A	G	A	GG	Brugada syndrome	Rook (1999)
4393	KCNH2	A	G	AA	Long QT syndrome	Tanaka (1997)
4394	KCNH2	A	C	AA	Long QT syndrome	Schulze-Bahr (1995)
4395	KCNH2	C	A	CC	Long QT syndrome	Satler (1998)
4340	KCNH2	G	A	GG	Long QT Syndrome	Priori (1999)
4362	KCNH2	C	T	CC	Long QT Syndrome	Dausse (1996), Zhang (2008), Splawski (2000)
4364	KCNH2	G	A	GG	Long QT Syndrome	Curran (1995), Kagan (2000), Splawski (2000)
1962	SCN5A	G	A	GG	Brugada syndrome	Frustaci (2005)
1968	SCN5A	T	C	TT	Brugada syndrome	Amin (2005)
1969	SCN5A	C	T	CC	Brugada syndrome	Priori (2002)
4396	KCNH2	G	A	GG	Long QT syndrome	Jongbloed (1999), Splawski (2000)
4397	KCNH2	G	A	GG	Long QT syndrome	Tanaka (1997), Splawski (2000), Zhang (2008)
4398	KCNH2	G	C	GG	Long QT syndrome	Splawski (2000)
4389	KCNH2	C	T	CC	Long QT Syndrome	Jongbloed (1999), Splawski (2000)
4396	KCNH2	G	A	GG	Long QT Syndrome	Jongbloed (1999), Splawski (2000)
4397	KCNH2	G	A	GG	Long QT Syndrome	Tanaka (1997), Zhang (2008), Splawski (2000)
4409	KCNH2	C	T	CC	Long QT Syndrome	Curran (1995), Splawski (2000)
800874	KCNH2	G	A	GG	Long QT Syndrome	Shim (2005)
4454	KCNH2	C	T	CC	Long QT Syndrome	Satler (1996), Splawski (2000)
4455	KCNH2	G	A	GG	Long QT Syndrome	Splawski (2000)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
4481	KCNH2	G	A	GG	Long QT Syndrome	Splawski (2000)
4487	KCNH2	G	A	GG	Long QT Syndrome	Napolitano (2005)
4490	KCNH2	C	T	CC	Long QT Syndrome	Fodstad (2004)
4492	KCNH2	C	T	CC	Long QT Syndrome	Splawski (2000)
4494	KCNH2	C	T	CC	Long QT Syndrome	Tester (2005)
100782	SCN5A	I	D	II	Long QT Syndrome	Wang (1995), Bennett (1995), Rudy (1999)
100792	SCN4B	G	A	GG	Long QT Syndrome	Medeiros-Domingo (2007)
100795	SNTA1	G	A	GG	Long QT Syndrome	Ueda (2008)
1811	SCN5A	C	T	CC	Long QT Syndrome	Wang (1995)
1813	SCN5A	T	C	TT	Long QT Syndrome	Wang (1995)
1838	SCN5A	C	A	CC	Long QT syndrome	Millat (2006)
1839	SCN5A	G	A	GG	Long QT syndrome	Tester (2005)
1843	SCN5A	C	G	CC	Long QT syndrome	Tester (2005)
1847	SCN5A	C	T	CC	Long QT syndrome	Fodstad (2004)
1849	SCN5A	G	C	GG	Long QT syndrome	Fodstad (2004)
1853	SCN5A	C	T	CC	Long QT syndrome	Millat (2006)
1856	SCN5A	T	C	TT	Long QT syndrome	Fodstad (2004)
1857	SCN5A	G	T	GG	Long QT syndrome	Tester (2005)
1964	SCN5A	T	C	TT	Long QT Syndrome	Napolitano (2005)
1866	SCN5A	C	T	CC	Long QT syndrome	Fodstad (2004)
1873	SCN5A	A	T	AA	Long QT syndrome	Tester (2005)
1875	SCN5A	G	T	GG	Long QT syndrome	Tester (2005)
1876	SCN5A	C	T	CC	Long QT syndrome	Priori (2000)
1877	SCN5A	C	T	CC	Long QT syndrome	Napolitano (2005)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
1878	SCN5A	G	T	GG	Long QT syndrome	Napolitano (2005)
1880	SCN5A	C	T	CC	Long QT syndrome	Tester (2005)
1888	SCN5A	G	C	GG	Long QT syndrome	Napolitano (2005)
1889	SCN5A	C	T	CC	Long QT syndrome	Napolitano (2005)
1892	SCN5A	G	A	GG	Long QT syndrome	Wehrens (2003)
1893	SCN5A	G	A	GG	Long QT syndrome	Tester (2005)
1894	SCN5A	C	G	CC	Long QT syndrome	Millat (2006)
4399	KCNH2	G	A	GG	Long QT syndrome	Napolitano (2005)
4400	KCNH2	C	T	CC	Long QT syndrome	Larsen (2001)
4401	KCNH2	T	G	TT	Long QT syndrome	Napolitano (2005)
1895	SCN5A	G	A	GG	Long QT syndrome	Tester (2005)
1898	SCN5A	C	T	CC	Long QT syndrome	Napolitano (2005)
1899	SCN5A	C	T	CC	Long QT syndrome	Fodstad (2004)
4402	KCNH2	G	A	GG	Long QT syndrome	Tester (2005)
4403	KCNH2	G	A	GG	Long QT syndrome	Tester (2005)
4404	KCNH2	A	T	AA	Long QT syndrome	Van Langen (2003)
1900	SCN5A	G	T	--	Long QT syndrome	Van Langen (2003), Hofman (2007)
1908	SCN5A	T	C	TT	Long QT syndrome	Berge (2005)
1915	SCN5A	G	A	GG	Long QT syndrome	Tester (2005)
4405	KCNH2	C	G	CC	Long QT syndrome	Napolitano (2005)
4406	KCNH2	C	A	CC	Long QT syndrome	Jahr (2000)
4407	KCNH2	C	T	CC	Long QT syndrome	Splawski (2000)
1920	SCN5A	G	A	GG	Long QT syndrome	Tester (2005)
1921	SCN5A	C	T	CC	Long QT syndrome	Splawski (2000)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
1923	SCN5A	G	A	GG	Long QT syndrome	Crotti (2007)
1971	SCN5A	C	T	CC	Brugada syndrome	Smits (2002)
1976	SCN5A	T	C	TT	Brugada syndrome	Du (2005)
100819	JUP	D	I	DD	Arrhythmogenic Right Ventricular Dysplasia	Asimaki (2007)
4408	KCNH2	G	C	GG	Long QT syndrome	Splawski (2000)
4409	KCNH2	C	T	CC	Long QT syndrome	G-to-A substitution at position (1882), Curran (1995), Splawski (2000)
4410	KCNH2	C	A	CC	Long QT syndrome	Tester (2005)
4411	KCNH2	T	C	TT	Long QT syndrome	Satler (1998), Zhang (2008)
4412	KCNH2	G	T	GG	Long QT syndrome	Yoshida (1999)
4413	KCNH2	T	C	TT	Long QT syndrome	Satler (1998)
4414	KCNH2	C	G	CC	Long QT syndrome	Tanaka (1997)
4415	KCNH2	A	G	AA	Long QT syndrome	Splawski (1998)
4416	KCNH2	A	C	AA	Long QT syndrome	Lehmann-Horn (1999)
4417	KCNH2	G	A	GG	Long QT syndrome	Splawski (2000)
4418	KCNH2	T	C	TT	Long QT syndrome	Satler (1998)
1926	SCN5A	C	T	CC	Long QT syndrome	Tester (2005)
1936	SCN5A	C	T	CC	Long QT syndrome	Abriel (2001)
1937	SCN5A	G	A	GG	Long QT syndrome	Wattanasirichaigoon (1999)
4419	KCNH2	T	C	TT	Long QT syndrome	Lai (2005)
4420	KCNH2	T	A	TT	Long QT syndrome	Tester (2005)
4421	KCNH2	C	T	CC	Long QT syndrome	Hayashi (2002)
4422	KCNH2	C	G	CC	Long QT syndrome	Napolitano (2005)
4423	KCNH2	T	C	TT	Long QT syndrome	Splawski (2000)
4424	KCNH2	A	C	AA	Long QT syndrome	Tester (2005)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
4425	KCNH2	G	T	GG	Long QT syndrome	Jongbloed (1999)
4426	KCNH2	G	A	GG	Long QT syndrome	Tester (2005)
4427	KCNH2	C	A	CC	Long QT syndrome	Napolitano (2005)
1939	SCN5A	C	T	CC	Long QT Syndrome	Van Langen (2003), Hofman (2007)
1940	SCN5A	C	G	CC	Long QT syndrome	Wedeckind (2001)
1941	SCN5A	G	A	GG	Long QT syndrome	Schulze-Bahr (2004)
4428	KCNH2	T	C	TT	Long QT syndrome	Lupoglazoff (2004)
4429	KCNH2	T	A	TT	Long QT syndrome	Splawski (2000)
4430	KCNH2	A	C	AA	Long QT syndrome	Napolitano (2005)
4431	KCNH2	C	A	CC	Long QT syndrome	Berge (2005)
4432	KCNH2	G	A	GG	Long QT syndrome	Napolitano (2005)
4433	KCNH2	G	T	GG	Long QT syndrome	Paulussen (2000)
4434	KCNH2	C	A	CC	Long QT syndrome	Splawski (2000)
4435	KCNH2	C	G	CC	Long QT syndrome	Napolitano (2005)
4436	KCNH2	G	A	GG	Long QT syndrome	Millat (2006)
1942	SCN5A	G	T	GG	Long QT syndrome	Millat (2006)
1948	SCN5A	G	T	GG	Long QT syndrome	Tester (2005)
1949	SCN5A	C	T	CC	Long QT syndrome	Tester (2005)
4437	KCNH2	C	A	CC	Long QT syndrome	Jongbloed (2002)
4438	KCNH2	C	T	CC	Long QT syndrome	Millat (2006)
4439	KCNH2	G	C	GG	Long QT syndrome	Kobori (2004)
1950	SCN5A	A	G	AA	Long QT syndrome	Napolitano (2005)
1951	SCN5A	G	C	GG	Long QT syndrome	Splawski (2000)
1956	SCN5A	G	C	GG	Long QT syndrome	Millat (2006)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
4440	KCNH2	G	A	GG	Long QT syndrome	Tester (2005)
4441	KCNH2	G	A	GG	Long QT syndrome	Itoh (1998)
4443	KCNH2	G	A	GG	Long QT syndrome	Ko (2001)
1959	SCN5A	C	A	CC	Long QT syndrome	Splawski (2000)
1960	SCN5A	C	G	CC	Long QT syndrome	Priori (2000)
1963	SCN5A	G	A	GG	Long QT Syndrome	Wattanasirichaigoon (1999)
4444	KCNH2	G	A	GG	Long QT syndrome	Splawski (2000)
4445	KCNH2	C	A	CC	Long QT syndrome	Berge (2005)
4446	KCNH2	C	A	CC	Long QT syndrome	Tester (2005)
4447	KCNH2	C	G	CC	Long QT syndrome	Tester (2005)
4448	KCNH2	C	A	CC	Long QT syndrome	Napolitano (2005)
4449	KCNH2	A	G	AA	Long QT syndrome	Splawski (2000)
1965	SCN5A	C	T	CC	Long QT Syndrome	Piippo (2001)
1972	SCN5A	C	T	CC	Long QT syndrome	Chang (2004)
1973	SCN5A	T	G	TT	Long QT syndrome	Valdivia (2002)
4450	KCNH2	A	C	AA	Long QT syndrome	Splawski (2000)
4451	KCNH2	A	G	AA	Long QT syndrome	Napolitano (2005)
4452	KCNH2	G	A	GG	Long QT syndrome	Berthet (1999), Nakajima (2000)
1985	SCN5A	G	T	GG	Brugada syndrome	Schulze-Bahr (2003)
1989	SCN5A	G	C	--	Brugada syndrome	Arbustini (2005)
1992	SCN5A	C	T	CC	Brugada syndrome	Rook (1999)
4453	KCNH2	C	T	CC	Long QT syndrome	Tester (2005)
4454	KCNH2	C	T	CC	Long QT syndrome	Satler (1996), Splawski (2000)
4455	KCNH2	G	A	GG	Long QT syndrome	Splawski (2000)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
4456	KCNH2	T	A	TT	Long QT syndrome	Napolitano (2005)
4457	KCNH2	G	A	GG	Long QT syndrome	Lupoglazoff (2004)
1974	SCN5A	T	C	TT	Long QT syndrome	Napolitano (2005)
1975	SCN5A	T	C	TT	Long QT syndrome	Van Langen (2003), Hofman (2007)
1977	SCN5A	C	T	CC	Long QT syndrome	Lupoglazoff (2001)
4458	KCNH2	T	C	TT	Long QT syndrome	Khositseth (2004)
4460	KCNH2	T	G	TT	Long QT syndrome	Napolitano (2005)
4461	KCNH2	G	A	GG	Long QT syndrome	Van Langen (2003)
4463	KCNH2	C	A	CC	Long QT syndrome	Tester (2005)
4464	KCNH2	G	A	GG	Long QT syndrome	Berge (2005)
4465	KCNH2	C	T	CC	Long QT syndrome	Tester (2005)
1978	SCN5A	G	A	GG	Long QT syndrome	Tester (2005)
1979	SCN5A	C	T	CC	Long QT syndrome	Wei (1999), Wei (1999)
4466	KCNH2	G	A	GG	Long QT syndrome	Tester (2005)
4467	KCNH2	G	A	--	Long QT syndrome	Splawski (2000)
4468	KCNH2	G	A	GG	Long QT syndrome	Splawski (2000)
1981	SCN5A	C	T	CC	Long QT syndrome	Splawski (2000)
1982	SCN5A	T	C	TT	Long QT syndrome	An (1998)
1986	SCN5A	C	T	--	Long QT syndrome	Millat (2006)
4469	KCNH2	C	T	CC	Long QT syndrome	Tester (2005)
4470	KCNH2	C	T	CC	Long QT syndrome	Napolitano (2005)
4471	KCNH2	G	A	GG	Long QT syndrome	Millat (2006)
4473	KCNH2	C	T	CC	Long QT syndrome	Lupoglazoff (2001)
4474	KCNH2	C	A	--	Long QT syndrome	Choe (2006)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
4475	KCNH2	G	A	GG	Long QT syndrome	Napolitano (2005)
4476	KCNH2	C	A	CC	Long QT syndrome	Crotti (2007)
4477	KCNH2	G	A	GG	Long QT syndrome	Tester (2005)
4479	KCNH2	T	A	TT	Long QT syndrome	Khositseth (2004)
1990	SCN5A	T	C	TT	Long QT syndrome	Tester (2005)
1991	SCN5A	C	T	CC	Long QT syndrome	Napolitano (2005)
1993	SCN5A	C	A	CC	Long QT syndrome	Tester (2005)
4480	KCNH2	C	T	CC	Long QT syndrome	Perkiomaki (2001), Kuperschmidt (2002)
4481	KCNH2	G	A	GG	Long QT syndrome	Splawski (2000)
4482	KCNH2	G	T	GG	Long QT syndrome	Napolitano (2005)
4483	KCNH2	C	T	CC	Long QT syndrome	Tester (2005)
4485	KCNH2	G	A	--	Long QT syndrome	Berge (2005)
1995	SCN5A	C	T	--	Long QT syndrome	Tester (2005)
1997	SCN5A	C	T	CC	Long QT syndrome	Crotti (2007)
1998	SCN5A	G	C	--	Long QT syndrome	Priori (2000)
4486	KCNH2	C	A	CC	Long QT syndrome	Tester (2005)
4487	KCNH2	G	A	GG	Long QT syndrome	Napolitano (2005)
4488	KCNH2	C	T	CC	Long QT syndrome	Berthet (1999), Berthet (1999)
2526	KCNE2	C	T	CC	Long QT syndrome	Tester (2005)
2530	KCNE2	G	A	GG	Long QT syndrome	Isbrandt (2002)
2531	KCNE2	C	T	CC	Long QT syndrome	Millat (2006)
4489	KCNH2	C	T	CC	Long QT syndrome	Tester (2005)
4490	KCNH2	C	T	CC	Long QT syndrome	Fodstad (2004)
4491	KCNH2	T	C	TT	Long QT syndrome	Splawski (2000)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
4492	KCNH2	C	T	CC	Long QT syndrome	Splawski (2000)
4493	KCNH2	A	G	AA	Long QT syndrome	Zhang (2004)
4494	KCNH2	C	T	CC	Long QT syndrome	Tester (2005)
2610	KCNQ1	G	A	GG	Long QT syndrome	Napolitano (2005)
2611	KCNQ1	C	G	CC	Long QT syndrome	Tester (2005)
2612	KCNQ1	C	A	CC	Long QT syndrome	Tester (2005)
4495	KCNH2	T	C	TT	Long QT syndrome	Napolitano (2005)
4496	KCNH2	T	A	TT	Long QT syndrome	Napolitano (2005)
4497	KCNH2	C	G	CC	Long QT syndrome	Curran (1995)
4498	KCNH2	C	A	CC	Long QT syndrome	Tester (2005)
6652	KCNJ2	A	G	AA	Long QT syndrome	Fodstad (2004)
6679	KCNJ2	C	T	CC	Long QT syndrome	Haruna (2007)
2613	KCNQ1	A	G	AA	Long QT syndrome	Splawski (2000)
2614	KCNQ1	T	C	TT	Long QT syndrome	Jongbloed (2002)
2615	KCNQ1	A	G	AA	Long QT syndrome	Tester (2005)
40582	CAV3	C	T	--	Long QT syndrome	Vatta (2006)
40583	CAV3	G	A	GG	Long QT syndrome	Vatta (2006)
40584	CAV3	T	G	TT	Long QT syndrome	Vatta (2006)
2617	KCNQ1	G	A	GG	Long QT syndrome	Tester (2005)
2618	KCNQ1	G	A	GG	Long QT syndrome	Nemec (2003)
2619	KCNQ1	G	T	GG	Long QT syndrome	Tester (2005)
40587	CAV3	C	G	CC	Long QT syndrome	Vatta (2006)
2620	KCNQ1	C	T	CC	Long QT syndrome	Napolitano (2005)
2623	KCNQ1	A	G	AA	Long QT syndrome	Zareba (2003)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
2624	KCNQ1	G	A	GG	Long QT syndrome	Napolitano (2005)
2625	KCNQ1	T	A	TT	Long QT syndrome	Gouas (2004)
2626	KCNQ1	T	G	TT	Long QT syndrome	Larsen (1999)
2627	KCNQ1	G	A	GG	Long QT syndrome	Splawski (2000)
2628	KCNQ1	G	A	GG	Long QT syndrome	Splawski (1998)
2629	KCNQ1	C	G	CC	Long QT syndrome	Piippo (2001)
2630	KCNQ1	G	A	GG	Long QT syndrome	Zareba (2003)
2631	KCNQ1	T	A	TT	Long QT syndrome	Napolitano (2005)
2632	KCNQ1	C	T	CC	Long QT syndrome	Donger (1997)
2633	KCNQ1	G	A	GG	Long QT syndrome	Splawski (2000)
2634	KCNQ1	G	C	GG	Long QT syndrome	Napolitano (2005)
2635	KCNQ1	G	A	GG	Long QT syndrome	Tanaka (1997)
2636	KCNQ1	G	C	GG	Long QT syndrome	Wang (1996)
2637	KCNQ1	G	A	GG	Long QT syndrome	Splawski (2000)
2638	KCNQ1	A	C	AA	Long QT syndrome	Jongbloed (1999), Hofman (2007)
2639	KCNQ1	G	A	GG	Long QT syndrome	Wang (1996), Jongbloed (1999)
2640	KCNQ1	G	A	GG	Long QT syndrome	Wang (1996)
2641	KCNQ1	C	T	CC	Long QT syndrome	Napolitano (2005)
2642	KCNQ1	T	C	TT	Long QT syndrome	Liu (2002)
2643	KCNQ1	G	A	GG	Long QT syndrome	Millat (2006)
2644	KCNQ1	G	C	GG	Long QT syndrome	Napolitano (2005)
2645	KCNQ1	T	C	TT	Long QT syndrome	Yamaguchi (2003)
2646	KCNQ1	G	C	GG	Long QT syndrome	Splawski (2000)
2648	KCNQ1	G	C	GG	Long QT syndrome	Fodstad (2004)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
2649	KCNQ1	C	G	CC	Long QT syndrome	Napolitano (2005)
2650	KCNQ1	A	T	AA	Long QT syndrome	Tester (2005)
2651	KCNQ1	C	T	CC	Long QT syndrome	Napolitano (2005)
2652	KCNQ1	G	A	GG	Long QT Syndrome	Napolitano (2005)
2653	KCNQ1	C	T	CC	Long QT syndrome	Priori (1999)
2654	KCNQ1	C	T	CC	Long QT syndrome	Shimizu (2004)
2655	KCNQ1	C	T	CC	Long QT syndrome	Emeriaud (2002)
2656	KCNQ1	G	A	GG	Long QT syndrome	Napolitano (2005)
2657	KCNQ1	T	A	TT	Long QT syndrome	Choi (2004)
2658	KCNQ1	T	C	TT	Long QT syndrome	Napolitano (2005)
1994	SCN5A	C	A	CC	Brugada syndrome	Priori (2002)
1996	SCN5A	A	C	AA	Brugada syndrome	Frustaci (2005)
1999	SCN5A	C	G	CC	Brugada syndrome	Priori (2002)
2659	KCNQ1	G	A	GG	Long QT syndrome	Itoh (1998)
2660	KCNQ1	C	T	CC	Long QT syndrome	Franqueza (1999), Hofman (2007)
2663	KCNQ1	T	C	TT	Long QT syndrome	Franqueza (1999)
2001	SCN5A	C	T	CC	Brugada syndrome	Smits (2002)
2664	KCNQ1	G	C	GG	Long QT syndrome	Fodstad (2004)
2665	KCNQ1	T	A	TT	Long QT syndrome	Itoh (1998)
2666	KCNQ1	T	C	TT	Long QT syndrome	Krahn (2000)
2667	KCNQ1	G	A	GG	Long QT syndrome	Wang (1996), Wedekind (2004)
2668	KCNQ1	G	T	GG	Long QT syndrome	Napolitano (2005)
2669	KCNQ1	A	G	AA	Long QT syndrome	Napolitano (2005)
2670	KCNQ1	C	A	CC	Long QT syndrome	Napolitano (2005)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
2671	KCNQ1	C	T	CC	Long QT syndrome	Kubota (2000)
2672	KCNQ1	G	A	GG	Long QT syndrome	Millat (2006)
2673	KCNQ1	G	T	GG	Long QT syndrome	Choi (2004)
2675	KCNQ1	G	A	GG	Long QT syndrome	Donger (1997)
2676	KCNQ1	C	G	CC	Long QT syndrome	Napolitano (2005)
2677	KCNQ1	T	C	TT	Long QT syndrome	Splawski (2000)
2678	KCNQ1	G	A	GG	Long QT syndrome	Romano-Ward syndrome (1925), Reardon (1993), Ackerman (1999), Murray (2002)
2679	KCNQ1	G	A	GG	Long QT syndrome	Donger (1997)
2681	KCNQ1	C	T	CC	Long QT syndrome	Wang (1996)
2682	KCNQ1	T	G	TT	Long QT syndrome	Tester (2005)
2684	KCNQ1	T	C	TT	Long QT syndrome	Liu (2002)
2685	KCNQ1	C	G	CC	Long QT syndrome	Napolitano (2005)
2686	KCNQ1	C	T	CC	Long QT syndrome	Liu (2002)
2687	KCNQ1	T	C	TT	Long QT syndrome	Choi (2004)
2688	KCNQ1	T	A	TT	Long QT syndrome	Napolitano (2005)
2689	KCNQ1	A	G	AA	Long QT syndrome	Priori (1999)
2690	KCNQ1	G	A	GG	Long QT syndrome	Zareba (2003)
2691	KCNQ1	C	A	CC	Long QT syndrome	Napolitano (2005)
2692	KCNQ1	G	A	GG	Long QT syndrome	Tester (2005)
2693	KCNQ1	G	A	GG	Long QT syndrome	Van Langen (2003)
2694	KCNQ1	C	T	CC	Long QT syndrome	Choi (2004)
2695	KCNQ1	G	A	GG	Long QT syndrome	Priori (1998)
2696	KCNQ1	C	T	CC	Long QT syndrome	Choi (2004)
2697	KCNQ1	G	A	GG	Long QT syndrome	Napolitano (2005)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
2698	KCNQ1	T	C	TT	Long QT syndrome	Tester (2005)
2699	KCNQ1	G	A	GG	Long QT syndrome	Chen (2003)
2701	KCNQ1	G	T	GG	Long QT syndrome	Liu (2002)
2702	KCNQ1	G	A	GG	Long QT syndrome	Wang (1996)
2704	KCNQ1	T	A	TT	Long QT syndrome	Napolitano (2005)
2705	KCNQ1	C	G	CC	Long QT syndrome	Donger (1997)
2706	KCNQ1	C	T	CC	Long QT syndrome	Ko (2001)
2707	KCNQ1	G	A	GG	Long QT syndrome	Splawski (2000)
2708	KCNQ1	C	T	CC	Long QT syndrome	Saarinen (1998)
2709	KCNQ1	C	T	CC	Long QT syndrome	Wang (1996)
2710	KCNQ1	C	G	CC	Long QT syndrome	Tanaka (1997)
2711	KCNQ1	G	A	GG	Long QT syndrome	Russell (1996), Hofman (2007)
2712	KCNQ1	G	C	GG	Long QT syndrome	Tester (2005)
2713	KCNQ1	G	T	GG	Long QT syndrome	Chen (2003)
2714	KCNQ1	G	A	GG	Long QT syndrome	Choi (2004)
2715	KCNQ1	G	C	GG	Long QT syndrome	Shimizu (2004)
2716	KCNQ1	A	C	AA	Long QT syndrome	Donger (1997)
2717	KCNQ1	A	G	AA	Long QT syndrome	Splawski (1998)
2718	KCNQ1	G	A	GG	Long QT syndrome	Napolitano (2005)
2719	KCNQ1	G	A	GG	Long QT syndrome	Tester (2005)
2720	KCNQ1	G	C	GG	Long QT syndrome	Jongbloed (2002)
2721	KCNQ1	A	G	AA	Long QT syndrome	Zareba (2003)
2722	KCNQ1	G	A	GG	Long QT syndrome	Wollnik (1997)
2723	KCNQ1	G	C	GG	Long QT syndrome	Splawski (1998)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
2724	KCNQ1	C	G	CC	Long QT syndrome	Donger (1997)
2725	KCNQ1	C	T	CC	Long QT syndrome	Napolitano (2005)
2726	KCNQ1	A	G	AA	Long QT syndrome	Nemec (2003)
2727	KCNQ1	G	A	GG	Long QT syndrome	Tanaka (1997)
2730	KCNQ1	C	T	CC	Long QT syndrome	Donger (1997)
2731	KCNQ1	C	G	CC	Long QT syndrome	Napolitano (2005)
2732	KCNQ1	C	T	CC	Long QT syndrome	Napolitano (2005)
2733	KCNQ1	C	T	CC	Long QT syndrome	Zehlein (2004)
2734	KCNQ1	C	A	CC	Long QT syndrome	Shimizu (2004)
2735	KCNQ1	C	T	CC	Long QT syndrome	Donger (1997)
2736	KCNQ1	G	A	GG	Long QT syndrome	Wang (1996)
2737	KCNQ1	G	C	GG	Long QT syndrome	Berg (1997)
2738	KCNQ1	T	C	TT	Long QT syndrome	Napolitano (2005)
2739	KCNQ1	C	A	CC	Long QT syndrome	Kanters (2004)
2740	KCNQ1	C	G	CC	Long QT syndrome	Splawski (2000)
2741	KCNQ1	G	C	GG	Long QT syndrome	Napolitano (2005)
2742	KCNQ1	T	C	TT	Long QT syndrome	Napolitano (2005)
2743	KCNQ1	T	C	TT	Long QT syndrome	Splawski (1998)
2744	KCNQ1	C	T	CC	Long QT syndrome	Splawski (2000)
2745	KCNQ1	A	G	AA	Long QT syndrome	Chen (2003)
2746	KCNQ1	G	C	GG	Long QT syndrome	Napolitano (2005)
2747	KCNQ1	A	G	AA	Long QT Syndrome	Tester (2005)
2748	KCNQ1	C	T	CC	Long QT syndrome	Splawski (1998)
2749	KCNQ1	G	A	GG	Long QT syndrome	Splawski (2000)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
2750	KCNQ1	G	C	GG	Long QT syndrome	Tanaka (1997)
2751	KCNQ1	G	T	GG	Long QT syndrome	Crotti (2007)
2752	KCNQ1	G	A	GG	Long QT syndrome	Donger (1997)
2753	KCNQ1	C	A	CC	Long QT syndrome	Napolitano (2005)
2754	KCNQ1	T	C	TT	Long QT syndrome	Jongbloed (1999)
2755	KCNQ1	T	A	TT	Long QT syndrome	Tester (2005)
2756	KCNQ1	G	C	GG	Long QT syndrome	Van Langen (2003)
2757	KCNQ1	G	T	GG	Long QT syndrome	Tester (2005)
2758	KCNQ1	C	A	CC	Long QT syndrome	Tester (2005)
2759	KCNQ1	C	T	CC	Long QT syndrome	Splawski (2000)
1544	LDB3	G	A	--	Dilated Cardiomyopathy with Left Ventricular Noncompaction	Vatta (2003)
2156	LMNA	C	G	CC	Dilated Cardiomyopathy with Conduction Defects	Fatkin (1999), der Kooi (2002)
2760	KCNQ1	T	C	TT	Long QT syndrome	Jongbloed (1999)
2761	KCNQ1	A	T	AA	Long QT syndrome	Napolitano (2005)
2762	KCNQ1	C	G	CC	Long QT Syndrome	Splawski (2000)
2763	KCNQ1	G	A	GG	Long QT syndrome	Shimizu (2004)
2764	KCNQ1	C	T	CC	Long QT syndrome	Tester (2005)
2767	KCNQ1	T	C	TT	Long QT syndrome	Shimizu (2004)
2768	KCNQ1	G	C	GG	Long QT syndrome	Napolitano (2005)
2769	KCNQ1	C	G	CC	Long QT syndrome	Napolitano (2005)
2770	KCNQ1	C	T	CC	Long QT Syndrome	Priori (1998), Larsen (1999), Larsen (1999)
2771	KCNQ1	C	T	CC	Long QT syndrome	Van Langen (2003)
2772	KCNQ1	T	G	TT	Long QT syndrome	Zareba (2003)
2773	KCNQ1	C	T	CC	Long QT syndrome	Shimizu (2004)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
2774	KCNQ1	G	A	GG	Long QT syndrome	Priori (1998), Larsen (1999), Larsen (1999)
2775	KCNQ1	A	G	AA	Long QT syndrome	Tester (2005)
2777	KCNQ1	C	T	CC	Long QT syndrome	Chouabe (2000)
2778	KCNQ1	C	A	CC	Long QT syndrome	Tester (2005)
2779	KCNQ1	C	T	CC	Long QT syndrome	Chouabe (1997)
2780	KCNQ1	C	T	CC	Long QT syndrome	Choi (2004)
2781	KCNQ1	G	A	GG	Long QT syndrome	Napolitano (2005)
2782	KCNQ1	T	C	TT	Long QT syndrome	Napolitano (2005)
2783	KCNQ1	G	A	GG	Long QT syndrome	Lupoglazoff (2004)
2784	KCNQ1	C	T	CC	Long QT syndrome	Donger (1997), Donger (1997)
2785	KCNQ1	A	G	AA	Long QT syndrome	Jongbloed (2002)
2786	KCNQ1	G	T	GG	Long QT syndrome	Van Langen (2003), Hofman (2007)
2787	KCNQ1	C	A	CC	Long QT syndrome	Tester (2005)
2788	KCNQ1	C	T	CC	Long QT syndrome	Splawski (2000)
2789	KCNQ1	T	C	TT	Long QT syndrome	Napolitano (2005)
2790	KCNQ1	T	G	TT	Long QT syndrome	Zareba (2003)
2791	KCNQ1	G	C	GG	Long QT syndrome	Chen (2003)
2792	KCNQ1	G	A	GG	Long QT syndrome	Tester (2005)
2793	KCNQ1	C	A	CC	Long QT syndrome	Napolitano (2005)
2794	KCNQ1	G	A	GG	Long QT syndrome	Kanters (2004)
2795	KCNQ1	C	T	CC	Long QT Syndrome	Splawski (2000), Yang (2002)
2796	KCNQ1	A	G	AA	Long QT syndrome	Napolitano (2005)
2799	KCNQ1	G	A	GG	Long QT syndrome	Lupoglazoff (2004)
2800	KCNQ1	G	A	GG	Long QT syndrome	Neyroud (1999)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
2801	KCNQ1	G	A	GG	Long QT syndrome	Splawski (2000)
2802	KCNQ1	G	T	GG	Long QT syndrome	Inoue (2003)
2803	KCNQ1	T	A	TT	Long QT syndrome	Tester (2005)
2804	KCNQ1	G	A	GG	Long QT syndrome	Tester (2005)
2805	KCNQ1	G	A	GG	Long QT syndrome	Splawski (2000)
2806	KCNQ1	G	A	GG	Long QT syndrome	Splawski (2000)
2807	KCNQ1	G	A	GG	Long QT syndrome	Napolitano (2005)
2810	KCNQ1	G	A	GG	Long QT syndrome	Ackerman (1999)
2811	KCNQ1	G	C	GG	Long QT syndrome	Tester (2005)
2812	KCNQ1	A	C	AA	Long QT syndrome	Splawski (2000)
2813	KCNQ1	G	C	GG	Long QT syndrome	Li (1998), Kanters (1998), Murray (1999), Murray (1999)
2814	KCNQ1	G	A	GG	Long QT syndrome	Millat (2006)
2162	LMNA	C	G	CC	Dilated Cardiomyopathy with Conduction Defects	Fatkın (1999)
2163	LMNA	A	G	AA	Dilated Cardiomyopathy with Conduction Defects	Fatkın (1999)
2160	LMNA	G	A	GG	Dilated Cardiomyopathy and Atrial Fibrillation	Sebillon (2003)
800899	PSEN1	A	G	AA	Dilated Cardiomyopathy 1U	Li (2006)
3218	TNNT2	G	A	GG	Dilated Cardiomyopathy 1D	Li (2001)
3225	TNNT2	C	T	CC	Dilated Cardiomyopathy 1D	Mogensen (2004)
1104	DMD	A	T	--	Dilated Cardiomyopathy	Feng (2002)
800861	LMNA	A	G	AA	Dilated Cardiomyopathy	Fatkın (1999)
39381	PSEN1	A	G	AA	Dilated Cardiomyopathy	Li (2006)
2180	LMNA	C	T	CC	Dilated Cardiomyopathy	Novelli (2003)
2239	LMNA	C	T	CC	Dilated Cardiomyopathy	Zeller (2006)
2258	LMNA	C	T	CC	Dilated Cardiomyopathy	Vytopil (2003)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
800875	DSP	C	T	CC	Dilated Cardiomyopathy	Uzumcu (2006)
39167	DES	C	T	CC	Dilated Cardiomyopathy	Taylor (2007)
39173	DES	C	T	CC	Dilated Cardiomyopathy	Taylor (2007)
39185	DES	C	G	CC	Dilated Cardiomyopathy	Li (1999)
39704	PSEN2	C	T	--	Dilated Cardiomyopathy	Li (2006), Tedde (2003)
100758	PLN	C	T	CC	Dilated Cardiomyopathy	Schmitt (2003)
102364	PSEN2	C	T	--	Dilated Cardiomyopathy	Li (2006), Tedde (2003)
800857	LDB3	G	A	--	Dilated Cardiomyopathy	Vatta (2003), Arimura (2004), Pilotto (2006), Xing (2006), Sheikh (2007), Moric-Janiszewska (2007), Morimoto (2008), Arimura (2009)
800860	LMNA	G	A	GG	Dilated Cardiomyopathy	Sebillon (2003)
2245	LMNA	G	T	GG	Dilated Cardiomyopathy	Hermida-Prieto (2004)
2252	LMNA	G	A	GG	Dilated Cardiomyopathy	Muchir (2000), Charniot (2003), Sebillon (2003)
3307	TPM1	G	A	GG	Dilated Cardiomyopathy	Olson (2001)
39147	DES	G	A	GG	Dilated Cardiomyopathy	Taylor (2007)
39164	DES	G	A	GG	Dilated Cardiomyopathy	Taylor (2007)
39187	DES	G	A	--	Dilated Cardiomyopathy	Taylor (2007)
2219	LMNA	T	C	TT	Dilated Cardiomyopathy	Hershberger (2002)
39171	DES	T	C	TT	Dilated Cardiomyopathy	Horowitz (1994), Sjoberg (1999)
100759	PLN	T	G	TT	Dilated Cardiomyopathy	Haghghi (2003)
1319	DMD	A	G	--	Dilated Cardiomyopathy	Feng (2002)
1348	DMD	C	A	C	Dilated Cardiomyopathy	Milasin (1996)
1404	DMD	C	A	C	Dilated Cardiomyopathy	Feng (2002)
2106	MYBPC3	T	G	TT	Dilated Cardiomyopathy	Daehmlow (2002)
3045	ACTC	C	T	CC	Dilated Cardiomyopathy	Olson (1998)
3047	ACTC	T	C	TT	Dilated Cardiomyopathy	Olson (1998)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
800868	TNNT2	G	A	GG	Dilated Cardiomyopathy	Li (2001)
3332	TTN	C	T	CC	Dilated Cardiomyopathy	Itoh-Satoh (2002)
3334	TTN	A	G	AA	Dilated Cardiomyopathy	Siu (1999), Gerull (2002)
3336	TTN	G	A	GG	Dilated Cardiomyopathy	Itoh-Satoh (2002)
28461	LAMP2	C	T	C	Dilated Cardiomyopathy	Balmer (2005)
28464	LAMP2	G	A	G	Dilated Cardiomyopathy	Charron (2004)
28469	LAMP2	C	T	C	Dilated Cardiomyopathy	Danon (1981), Riggs (1983), Nishino (2000)
100691	TNNC1	C	T	CC	Dilated Cardiomyopathy	Mogensen (2004)
100698	CSRP3	A	G	--	Dilated Cardiomyopathy	Knoll (2002), Geier (2008)
100702	CSRP3	T	C	TT	Dilated Cardiomyopathy	Mohapatra (2003)
100760	PLN	I	D	II	Dilated Cardiomyopathy	Haghghi (2006)
100772	ANKRD1	C	G	CC	Dilated Cardiomyopathy	Duboscq-Bidot (2009)
100773	ANKRD1	C	T	--	Dilated Cardiomyopathy	Duboscq-Bidot (2009)
100774	ANKRD1	G	A	--	Dilated Cardiomyopathy	Moulik (2009)
100775	ANKRD1	C	A	--	Dilated Cardiomyopathy	Moulik (2009)
100778	ANKRD1	C	T	CC	Dilated Cardiomyopathy	Moulik (2009)
100779	ANKRD1	A	C	AA	Dilated Cardiomyopathy	Duboscq-Bidot (2009)
100781	ANKRD1	T	C	--	Dilated Cardiomyopathy	Arimura (2009)
100818	DSP	I	D	II	Dilated Cardiomyopathy	Norgett (2000)
1125	DMD	C	A	C	Dilated Cardiomyopathy	Feng (2002)
1156	DMD	T	C	T	Dilated Cardiomyopathy	Ortiz-Lopez (1997)
1104	DMD	A	T	--	Dilated Cardiomyopathy	Feng (2002)
1545	LDB3	A	T	AA	Dilated Cardiomyopathy	Vatta (2003)
2158	LMNA	T	G	TT	Dilated Cardiomyopathy	Fatkin (1999)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
3211	TNNT2	C	T	CC	Dilated Cardiomyopathy	Zeller (2006)
3217	TNNT2	G	A	GG	Dilated Cardiomyopathy	Mogensen (2004)
3220	TNNT2	C	A	CC	Dilated Cardiomyopathy	Stefanelli (2004)
3222	TNNT2	C	A	CC	Dilated Cardiomyopathy	Mogensen (2004)
55145	RYR1	G	T	GG	Malignant hyperthermia	Robinson (2006)
55146	RYR1	T	C	TT	Malignant hyperthermia	Shepherd (2004)
55149	RYR1	C	T	CC	Malignant hyperthermia	Brown (2000)
55001	RYR1	A	G	AA	Malignant Hyperthermia	Robinson (2006)
55004	RYR1	A	G	AA	Malignant Hyperthermia	Monnier (2005)
55023	RYR1	A	G	--	Malignant Hyperthermia	Dekomien (2005)
55150	RYR1	C	G	CC	Malignant hyperthermia	Oyamada (2002)
55153	RYR1	C	T	CC	Malignant hyperthermia	Haugen (2005)
55154	RYR1	C	G	CC	Malignant hyperthermia	Robinson (2006)
55160	RYR1	A	G	AA	Malignant hyperthermia	Monnier (2005)
55161	RYR1	T	C	TT	Malignant hyperthermia	Sambuughin (2005)
55167	RYR1	G	A	GG	Malignant hyperthermia	Robinson (2006)
55026	RYR1	A	G	AA	Malignant Hyperthermia	Yeh (2005)
55060	RYR1	A	G	AA	Malignant Hyperthermia	Shepherd (2004)
55160	RYR1	A	G	AA	Malignant Hyperthermia	Monnier (2005)
55168	RYR1	T	C	TT	Malignant Hyperthermia	Lynch (1999)
55178	RYR1	C	A	CC	Malignant hyperthermia	Shepherd (2004)
102366	RYR1	A	G	AA	Malignant Hyperthermia	Monnier (2000)
54948	RYR1	C	T	CC	Malignant Hyperthermia	Otsu (1991), Fujii (1991), Harbitz (1992), Gillard (1991), Hall-Curran (1993), Otsu (1992), Otsu (1994), Deufel (1995), Fagerlund (1997)
55180	RYR1	G	T	GG	Malignant hyperthermia	Galli (2002)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
55181	RYR1	T	A	TT	Malignant hyperthermia	Robinson (2006)
55182	RYR1	C	T	CC	Malignant hyperthermia	Galli (2002)
54953	RYR1	C	T	CC	Malignant Hyperthermia	Manning (1998)
54955	RYR1	C	T	CC	Malignant Hyperthermia	Manning (1998), Wehner (2002)
54957	RYR1	C	T	CC	Malignant Hyperthermia	Manning (1998)
54960	RYR1	C	T	CC	Malignant Hyperthermia	Guis (2004)
55029	RYR1	C	T	CC	Malignant Hyperthermia	Tammaro (2003)
55032	RYR1	C	T	--	Malignant Hyperthermia	Robinson (2006)
55062	RYR1	C	T	CC	Malignant Hyperthermia	McWilliams (2002)
55082	RYR1	C	T	CC	Malignant Hyperthermia	Robinson (2006)
55090	RYR1	C	T	CC	Malignant Hyperthermia	Robinson (2006)
55097	RYR1	C	T	CC	Malignant Hyperthermia	Robinson (2006)
55114	RYR1	C	T	CC	Malignant Hyperthermia	Galli (2006)
55149	RYR1	C	T	CC	Malignant Hyperthermia	Brown (2000)
55182	RYR1	C	T	CC	Malignant Hyperthermia	Galli (2002)
102365	RYR1	C	T	CC	Malignant Hyperthermia	Quane (1993), O'Brien (1995), Tobin (2001)
33412	CPT2	C	T	CC	Malignant Hyperthermia	Vladutiu (1998, 2000)
54945	RYR1	G	A	GG	Malignant Hyperthermia	Quane (1994), Fagerlund (1996), Alestrom (1995), Adeokun (1997), Monsieurs (1998), Stewart (1998)
54996	RYR1	G	A	GG	Malignant Hyperthermia	Galli (2006)
55006	RYR1	G	A	GG	Malignant Hyperthermia	Robinson (2006)
55010	RYR1	G	T	GG	Malignant Hyperthermia	Robinson (2006)
55046	RYR1	G	A	GG	Malignant Hyperthermia	Manning (1998), McCarthy (2000)
55053	RYR1	G	A	GG	Malignant Hyperthermia	Galli (2002)
55072	RYR1	G	A	GG	Malignant Hyperthermia	Keating (1994), Phillips (1996), Richter (1997)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
55081	RYR1	G	A	GG	Malignant Hyperthermia	Manning (1998)
55094	RYR1	G	A	GG	Malignant Hyperthermia	Sambuughin (2005)
55100	RYR1	G	A	GG	Malignant Hyperthermia	Robinson (2006)
55102	RYR1	G	A	GG	Malignant Hyperthermia	Sambuughin (2005)
55109	RYR1	G	A	--	Malignant Hyperthermia	Robinson (2006)
55130	RYR1	G	A	GG	Malignant Hyperthermia	Robinson (2006)
55137	RYR1	G	A	GG	Malignant Hyperthermia	Monnier (2005)
55145	RYR1	G	T	GG	Malignant Hyperthermia	Robinson (2006)
54989	RYR1	T	C	TT	Malignant Hyperthermia	Lynch (1997)
55111	RYR1	T	G	TT	Malignant Hyperthermia	Monnier (2002)
55119	RYR1	T	C	TT	Malignant Hyperthermia	Robinson (2006)
55135	RYR1	T	G	TT	Malignant Hyperthermia	Sambuughin (2005)
102367	RYR1	T	C	TT	Malignant Hyperthermia	Lynch (1999), Avila (2001), Tilgen (2001)
36558	CACNA1S	C	T	CC	Malignant Hyperthermia	Monnier (1997), Stewart (2001)
55064	RYR1	A	G	AA	Malignant Hyperthermia	Galli (2006)
55116	RYR1	C	T	CC	Malignant Hyperthermia	Robinson (2006)
70622	RYR1	I	D	II	Malignant Hyperthermia	Sambuughin (2001)
36558	CACNA1S	C	T	CC	Malignant Hyperthermia	Monnier (1997), Stewart (2001)
54945	RYR1	G	A	GG	Malignant Hyperthermia	Quane (1994)
54948	RYR1	C	T	CC	Malignant Hyperthermia	Otsu (1991), Fujii (1991)
54953	RYR1	C	T	CC	Malignant Hyperthermia	Manning (1998)
54954	RYR1	G	A	GG	Malignant Hyperthermia	Manning (1998), Tegazzin (1994)
800827	RYR1	G	A	GG	Central Core Disease	Manning (1998), Tegazzin (1994)
54955	RYR1	C	T	CC	Malignant Hyperthermia	Manning (1998), Wehner (2002)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
54957	RYR1	C	T	CC	Malignant Hyperthermia	Manning (1998)
54960	RYR1	C	T	CC	Malignant Hyperthermia	Guis (2004)
54988	RYR1	T	G	TT	Malignant Hyperthermia	Robinson (2006)
54989	RYR1	T	C	TT	Malignant Hyperthermia	Lynch (1997)
54990	RYR1	C	T	CC	Malignant Hyperthermia	Tammaro (2003)
54991	RYR1	G	A	GG	Malignant Hyperthermia	Dekomien (2005)
54993	RYR1	C	A	CC	Malignant Hyperthermia	Galli (2006)
54995	RYR1	C	A	CC	Malignant Hyperthermia	Robinson (2006)
54996	RYR1	G	A	GG	Malignant Hyperthermia	Galli (2006)
54998	RYR1	C	T	CC	Malignant Hyperthermia	Quane (1993)
55000	RYR1	G	A	GG	Malignant Hyperthermia	Monnier (2005)
55001	RYR1	A	G	AA	Malignant Hyperthermia	Robinson (2006)
55002	RYR1	G	A	GG	Malignant Hyperthermia	Rueffert (2002)
55003	RYR1	C	T	CC	Malignant Hyperthermia	Monnier (2005)
55004	RYR1	A	G	AA	Malignant Hyperthermia	Monnier (2005)
55006	RYR1	G	A	GG	Malignant Hyperthermia	Robinson (2006)
55007	RYR1	T	A	TT	Malignant Hyperthermia	Robinson (2006)
55008	RYR1	A	T	AA	Malignant Hyperthermia	Monnier (2005)
55009	RYR1	G	A	GG	Malignant hyperthermia	Gillard (1992)
55010	RYR1	G	T	GG	Malignant hyperthermia	Robinson (2006)
55011	RYR1	C	T	CC	Malignant hyperthermia	Loke (2003)
55012	RYR1	G	C	GG	Malignant hyperthermia	Monnier (2005)
55013	RYR1	G	A	GG	Malignant hyperthermia	Galli (2006)
55014	RYR1	G	T	GG	Malignant hyperthermia	Robinson (2006)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
55015	RYR1	C	A	CC	Malignant hyperthermia	Monnier (2005)
55016	RYR1	C	G	CC	Malignant hyperthermia	Robinson (2006)
55017	RYR1	C	T	CC	Malignant hyperthermia	Davis (2002)
55018	RYR1	G	A	GG	Malignant hyperthermia	Rueffert (2002)
55021	RYR1	C	T	CC	Malignant hyperthermia	Gillard (1992)
55023	RYR1	A	G	--	Malignant hyperthermia	Dekomien (2005)
55025	RYR1	A	C	AA	Malignant hyperthermia	Quane (1994)
55026	RYR1	A	G	AA	Malignant hyperthermia	Yeh (2005)
55027	RYR1	G	A	GG	Malignant hyperthermia	Robinson (2006)
55028	RYR1	G	A	GG	Malignant hyperthermia	Brandt (1999)
55029	RYR1	C	T	CC	Malignant hyperthermia	Tammaro (2003)
55030	RYR1	C	T	CC	Malignant hyperthermia	Keating (1997)
55031	RYR1	G	T	GG	Malignant hyperthermia	Quane (1997)
55032	RYR1	C	T	--	Malignant hyperthermia	Robinson (2006)
55033	RYR1	C	T	CC	Malignant hyperthermia	Robinson (2006)
55034	RYR1	A	G	--	Malignant hyperthermia	Robinson (2006)
55036	RYR1	C	T	CC	Malignant hyperthermia	Robinson (2006)
55037	RYR1	T	C	TT	Malignant hyperthermia	Sambuughin (2005)
55038	RYR1	C	T	CC	Malignant hyperthermia	Robinson (2006)
55039	RYR1	T	G	TT	Malignant hyperthermia	Robinson (2006)
55040	RYR1	C	T	--	Malignant hyperthermia	Gillard (1992)
55041	RYR1	T	A	TT	Malignant hyperthermia	Robinson (2006)
55042	RYR1	G	T	--	Malignant hyperthermia	Gillard (1992)
55043	RYR1	G	C	GG	Malignant hyperthermia	Tammaro (2003)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
55044	RYR1	C	G	CC	Malignant hyperthermia	Rueffert (2001)
55045	RYR1	G	C	GG	Malignant hyperthermia	Brandt (1999)
55046	RYR1	G	A	GG	Malignant hyperthermia	Manning (1998), McCarthy (2000)
55047	RYR1	A	T	AA	Malignant hyperthermia	Ruffert (2002)
55048	RYR1	C	T	CC	Malignant hyperthermia	Sambuughin (2005)
55049	RYR1	C	G	CC	Malignant hyperthermia	Brandt (1999)
55050	RYR1	G	T	GG	Malignant hyperthermia	Sambuughin (2005)
55051	RYR1	T	A	TT	Malignant hyperthermia	Galli (2006)
55052	RYR1	G	A	GG	Malignant hyperthermia	Sambuughin (2001)
55053	RYR1	G	A	GG	Malignant hyperthermia	Galli (2002)
55055	RYR1	A	G	AA	Malignant hyperthermia	Robinson (2006)
55056	RYR1	G	A	GG	Malignant hyperthermia	Galli (2006)
55057	RYR1	A	G	AA	Malignant hyperthermia	Marchant (2004)
55059	RYR1	G	A	GG	Malignant hyperthermia	Shepherd (2004)
55060	RYR1	A	G	AA	Malignant hyperthermia	Shepherd (2004)
55061	RYR1	G	A	GG	Malignant hyperthermia	Sambuughin (2001)
55062	RYR1	C	T	CC	Malignant hyperthermia	McWilliams (2002)
55063	RYR1	C	T	CC	Malignant hyperthermia	Dekomien (2005)
55064	RYR1	A	G	AA	Malignant hyperthermia	Galli (2006)
55065	RYR1	T	G	TT	Malignant hyperthermia	Robinson (2006)
55066	RYR1	C	G	CC	Malignant hyperthermia	Robinson (2006)
55067	RYR1	G	A	GG	Malignant hyperthermia	Sambuughin (2001)
55068	RYR1	G	C	GG	Malignant hyperthermia	Ruffert (2002)
55069	RYR1	G	A	GG	Malignant hyperthermia	Rueffert (2002)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
55070	RYR1	G	A	GG	Malignant hyperthermia	Sambuughin (2001)
55071	RYR1	G	T	GG	Malignant hyperthermia	Robinson (2006)
55072	RYR1	G	A	GG	Malignant hyperthermia	Keating (1994)
55074	RYR1	C	T	CC	Malignant hyperthermia	Sei (2004)
55075	RYR1	G	C	GG	Malignant hyperthermia	Galli (2006)
55076	RYR1	G	A	GG	Malignant hyperthermia	Robinson (2006)
55077	RYR1	C	T	CC	Malignant hyperthermia	Chamley (2000)
55078	RYR1	T	C	TT	Malignant hyperthermia	Rueffert (2002)
55079	RYR1	C	T	CC	Malignant hyperthermia	Brandt (1999)
55080	RYR1	G	A	GG	Malignant hyperthermia	Barone (1999)
55081	RYR1	G	A	GG	Malignant hyperthermia	Manning (1998)
55082	RYR1	C	T	CC	Malignant hyperthermia	Robinson (2006)
55086	RYR1	T	C	TT	Malignant hyperthermia	Robinson (2006)
55088	RYR1	C	G	CC	Malignant hyperthermia	Galli (2006)
55089	RYR1	C	T	CC	Malignant hyperthermia	Robinson (2006)
55090	RYR1	C	T	CC	Malignant hyperthermia	Robinson (2006)
55091	RYR1	G	C	GG	Malignant hyperthermia	Galli (2006)
55092	RYR1	A	G	AA	Malignant hyperthermia	Robinson (2006)
55093	RYR1	G	C	GG	Malignant hyperthermia	Robinson (2006)
55094	RYR1	G	A	GG	Malignant hyperthermia	Sambuughin (2005)
55095	RYR1	G	A	GG	Malignant hyperthermia	Galli (2006)
55096	RYR1	C	G	--	Malignant Hyperthermia	Guis (2004)
55097	RYR1	C	T	CC	Malignant hyperthermia	Robinson (2006)
55098	RYR1	T	A	TT	Malignant hyperthermia	Galli (2006)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
55099	RYR1	G	A	GG	Malignant hyperthermia	Robinson (2006)
55100	RYR1	G	A	GG	Malignant hyperthermia	Robinson (2006)
55101	RYR1	G	A	GG	Malignant hyperthermia	Robinson (2006)
55102	RYR1	G	A	GG	Malignant hyperthermia	Sambuughin (2005)
55106	RYR1	G	C	GG	Malignant hyperthermia	Robinson (2006)
55108	RYR1	G	T	GG	Malignant hyperthermia	Robinson (2006)
55109	RYR1	G	A	--	Malignant hyperthermia	Robinson (2006)
55110	RYR1	G	A	GG	Malignant hyperthermia	Galli (2006)
55111	RYR1	T	G	TT	Malignant hyperthermia	Monnier (2002)
55112	RYR1	C	G	CC	Malignant hyperthermia	Robinson (2006)
55113	RYR1	G	T	GG	Malignant hyperthermia	Robinson (2006)
55114	RYR1	C	T	CC	Malignant hyperthermia	Galli (2006)
55115	RYR1	C	A	CC	Malignant hyperthermia	Robinson (2006)
55116	RYR1	C	T	CC	Malignant hyperthermia	Robinson (2006)
55117	RYR1	A	T	AA	Malignant hyperthermia	Sambuughin (2005)
55118	RYR1	C	A	CC	Malignant hyperthermia	Galli (2002)
55119	RYR1	T	C	TT	Malignant hyperthermia	Robinson (2006)
55120	RYR1	G	C	GG	Malignant hyperthermia	Galli (2002)
55121	RYR1	A	T	AA	Malignant hyperthermia	Robinson (2006)
55123	RYR1	C	T	CC	Malignant hyperthermia	Dekomien (2005)
55130	RYR1	G	A	GG	Malignant hyperthermia	Robinson (2006)
55133	RYR1	T	C	TT	Malignant hyperthermia	Monnier (2005)
55135	RYR1	T	G	TT	Malignant hyperthermia	Sambuughin (2005)
55136	RYR1	G	A	GG	Malignant hyperthermia	Robinson (2006)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
55137	RYR1	G	A	GG	Malignant hyperthermia	Monnier (2005)
55138	RYR1	C	T	CC	Malignant hyperthermia	Galli (2002)
55140	RYR1	A	G	AA	Malignant Hyperthermia	Monnier (2000)
55144	RYR1	A	T	AA	Malignant hyperthermia	Robinson (2006)
55055	RYR1	A	G	--	Harmless Variant	Robinson (2006)
55021	RYR1	C	T	--	Harmless Variant (previously associated with Malignant hyperthermia)	Gillard (1992)
55132	RYR1	A	C	AA	Central Core Disease	Davis (2003)
800831	RYR1	A	G	AA	Central Core Disease	Monnier (2000)
800829	RYR1	C	T	CC	Central Core Disease	Quane (1993), O'Brien (1995), Tobin (2001)
55104	RYR1	C	T	CC	Central Core Disease	Ferreiro (2002)
55174	RYR1	C	A	CC	Central Core Disease	Wu (2006)
54956	RYR1	G	A	GG	Central Core Disease	Zhang (1993), Richter (1997), Phillips (1996)
54992	RYR1	G	A	GG	Central Core Disease	Wu (2006)
55125	RYR1	G	A	GG	Central Core Disease	Wu (2006)
55142	RYR1	G	A	GG	Central Core Disease	Dekomien (2005)
55152	RYR1	G	A	GG	Central Core Disease	Jungbluth (2002)
55158	RYR1	G	A	GG	Central Core Disease	Tilgen (2001)
55176	RYR1	G	T	GG	Central Core Disease	Robinson (2006)
55179	RYR1	G	A	GG	Central Core Disease	Davis (2003)
55107	RYR1	T	C	--	Central Core Disease	Wu (2006)
55122	RYR1	T	C	TT	Central Core Disease	Wu (2006)
800832	RYR1	T	C	TT	Central Core Disease	Lynch (1999), Avila (2001), Tilgen (2001)
100620	HSPA1L	A	G	--	Abacavir Hypersensitivity	Martin (2004)
102502		Haplotype:102096, 100620		TT-AA	Severe Adverse Reactions to Abacavir	

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
102096	HLA-B	T	G	TT	Severe Adverse Reactions to Abacavir	de Bakker (2006), Hugh (2004), Mallal (2002), Mallal (2008), Combo (2008)
800838	KIF6	G	A	AA	Effectiveness of High Dose Atorvastatin vs Pravastatin	Iakoubova (2008), Schiffman (2008)
70596	CYP2C8	I	D	II	Risk of Adverse Reactions to Statins (Severe Muscle Pain)	Ishikawa (2004)
102185	SLCO1B1	C	T	CT	Risk of Adverse Reactions to Statins (Severe Muscle Pain)	SEARCH Collaborative Group (2008)
102492	SLCO1B1	C	T	CT	Risk of Adverse Reactions to Statins (Severe Muscle Pain)	SEARCH Collaborative Group (2008), Voora (2009), Brunham (2011), Donnelly (2011)
800842	ITGB3	T	C	TT	Aspirin Effectiveness	Newman (1989), Weiss (1995), Weiss (1996)
102400	CYP2C19	Haplotype:54332, 54333		GG-AA	Plavix Effectiveness	CYP2C19*3/*4 http://www.cap.org/apps/docs/cap_today/0610/LettersTable1.pdf
102398	CYP2C19	Haplotype:54344, 54332		GG-GG	Plavix Effectiveness	CYP2C19*2/*3 http://www.cap.org/apps/docs/cap_today/0610/LettersTable1.pdf
102399	CYP2C19	Haplotype:54344, 54333		GG-AA	Plavix Effectiveness	CYP2C19*2/*4 http://www.cap.org/apps/docs/cap_today/0610/LettersTable1.pdf
102397	CYP2C19	Haplotype:54344, 54337, 54332, 54333, 54364, 54367, 54362, 54361		GG-GG-GG-AA-CC-TT-TT-CC	Plavix Effectiveness	CYP2C19*1/*1 http://www.cap.org/apps/docs/cap_today/0610/LettersTable1.pdf
102402	CYP2C19	Haplotype:54362, 54332		TT-GG	Plavix Effectiveness	CYP2C19*3/*8 http://www.cypalleles.ki.se/cyp2c19.htm
102403	CYP2C19	Haplotype:54362, 54333		TT-AA	Plavix Effectiveness	CYP2C19*1/*8 http://www.cypalleles.ki.se/cyp2c19.htm
102401	CYP2C19	Haplotype:54362, 54344		TT-GG	Plavix Effectiveness	CYP2C19*2/*8 http://www.cypalleles.ki.se/cyp2c19.htm
54333	CYP2C19	A	G	AA	Plavix Effectiveness	CYP2C19*1/*4 http://www.cap.org/apps/docs/cap_today/0610/LettersTable1.pdf
54361	CYP2C19	C	T	CC	Plavix Effectiveness	CYP2C19*17/*17 http://www.cap.org/apps/docs/cap_today/0610/LettersTable1.pdf
54364	CYP2C19	C	T	CC	Plavix Effectiveness	CYP2C19*1/*5 Ibeanu , 1998
54332	CYP2C19	G	A	GG	Plavix Effectiveness	CYP2C19*1/*3 http://www.cap.org/apps/docs/cap_today/0610/LettersTable1.pdf
54337	CYP2C19	G	C	GG	Plavix Effectiveness	CYP2C19*1/*2B Ibeanu , 1998
54344	CYP2C19	G	A	GG	Plavix Effectiveness	CYP2C19*1/*2 http://www.cap.org/apps/docs/cap_today/0610/LettersTable1.pdf
54362	CYP2C19	T	G	TT	Plavix Effectiveness	CYP2C19*1/*8 Ibeanu , 1998
54367	CYP2C19	T	A	TT	Plavix Effectiveness	CYP2C19*1/*7 http://www.cap.org/apps/docs/cap_today/0610/LettersTable1.pdf
5337	LIPI	C	T	--	Heart Attack	Wen (2003)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
5658	LPL	C	T	CC	Heart Attack	Ma (1991), Normand (1992), Wood (1993)
73869	PSMA6	C	G	CG	Heart Attack	Ozaki (2006), Bennett (2008), Liu (2009), Alsmadi (2009), Freilinger (2009)
3410	LDLR	G	A	GG	Heart Attack	FH AFRIKANER 2; Leitersdorf (1989), Kotze (1991), Schuster (1993), Defesche (1993)
3605	LDLR	G	A	GG	Heart Attack	FH AFRIKANER 3; Graadt van Roggen (1991)
3618	LDLR	G	A	GG	Heart Attack	FH GLASCO; Lee (1998)
4075	LDLR	G	A	GG	Heart Attack	H TURKU; Koivisto (1995), Koivisto (2001)
4101	LDLR	G	A	GG	Heart Attack	Takada (2002), Takada (2003), Sato (2004)
4126	LDLR	G	A	GG	Heart Attack	FH ELVERUM; Leren (1994), Sun (1995), Feussner (1996)
5281	ABCG8	G	A	GG	Heart Attack	Bhattacharyya (1974), Berge (2000), Lu (2001), GeneDx (2016), EGL Genetic Diagnostics of Eurofins Clinical Diagnostics (2018)
3419	LDLR	A	C	AA	Heart Attack	FH AARHUS; Jensen (1997)
5649	LPL	G	A	GG	Heart Attack	Wilson (1983), Gagne (1989), Emi (1990), Wilson (1990), Paulweber (1991), Henderson (1992), Gilbert (2001)
51105	9p21	A	G	GG	Heart Attack	McPherson (2007), Shen (2007), Shen (2008), Abdullah (2008), Paynter (2009), Smith (2009), Schaefer (2009), Ernst (2010), Xie (2011), Do (2011)
5691	LPL	G	A	GG	Heart Attack	Kobayashi (1993)
51108	9p21	A	G	GG	Heart Attack	McPherson (2007), Shen (2007), Rao (2007), Zhou (2008), Abdullah (2008), Anderson (2008), Schaefer (2009), Ernst (2010), Do (2011)
51110	CDKN2A	A	G	GG	Heart Attack	Sharpless (2006), McPherson (2007), Samani (2007), Consortium (2007), Helgadottir (2007), Shen (2007), Shen (2008), Zhou (2008), Wahlstrand (2009), Schaefer (2009), Ernst (2010), Lin (2010), Wang (2011)
73715	2q36.3	A	C	CC	Heart Attack	Samani (2007), Cunningham (2008), Cunningham (2009), Karvanen (2009), Coronary Artery Disease Consortium (2009), Ghazouani (2010), Wang (2011)
18899	F2	G	A	GG	Heart Attack	Poort (1996), Rosendaal (1997), Mesci (1997), Rosendaal (1998), Franco (1999), Ye (2006)
73709	9p21.3	G	C	CC	Heart Attack	Wellcome Trust Case Control Consortium (2007), Samani (2007), Schunkert (2008), Hinohara (2008), Ye (2008), Cunningham (2009), Karvanen (2009), Peng (2009), Coronary Artery Disease Consortium (2009), Cluett (2009), Schaefer (2009), Ernst (2010), Ye (2010)
73712	6q25.1	G	A	GA	Heart Attack	Wellcome Trust Case Control Consortium (2007), Samani (2007), Cunningham (2009), Coronary Artery Disease Consortium (2009), Ghazouani (2010)
3818	LDLR	T	A	TT	Heart Attack	FH PORI; Koivisto (1995)
4135	LDLR	T	C	TT	Heart Attack	FH ICELAND; Gudnason (1997)
73725	MADH3	T	C	CC	Heart Attack	Samani (2007), Karvanen (2009)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
73719	MIA3	A	C	AC	Heart Attack	Samani (2007), Kathiresan (2009), Samani (2009), Bressler (2010), Wang (2011)
73883	SNX19	A	C	CC	Heart Attack	Bare (2007), Morrison (2007), Schiffman (2008), Luke (2009)
102495	CDKN2A	A	G	GG	Heart Attack	Helgadottir (2007), Shen (2007), Helgadottir (2008), Shen (2008), Liu (2009), Lemmens (2009), Cluett (2009), Wahlstrand (2009), Silander (2009), Schaefer (2009), Ernst (2010), Wang (2011), Koch (2011), Do (2011)
3147	APOA5	G	A	GG	Heart Attack	Marcais (2005)
4513	APOB	C	T	CC	Heart Attack	Soria (1989), Vega (1986)
5121	APOA2	A	G	AA	Heart Attack	Yazaki (2003)
73849	PSRC1	A	G	AG	Heart Attack	Samani (2007), Kathiresan (2008), Sandhu (2008), Willer (2008), Muendlein (2009), Karvanen (2009), Nakayama (2009), Coronary Artery Disease Consortium (2009), Kleber (2010), Ma (2010), Musunuru (2010), Bressler (2010), Roder (2011), Wang (2011)
3427	LDLR	C	T	CC	Heart Attack	FH ZAMBIA; Knight (1989), Soutar (1989), Soutar (1991), Rubinsztein (1992), Defesche (1992)
5208	LIPA	A	G	AA	Heart Attack	Illingworth (1993)
5245	ABCG5	G	A	GG	Heart Attack	Berge (2000), Lee (2001)
3652	LDLR	C	G	CC	Heart Attack	FH AFRIKANER 1, FH MAINE; Komuro (1987), Leitersdorf (1990), Kotze (1990), Kotze (1991), Vergotine (2001)
5246	ABCG5	C	T	CC	Heart Attack	Lee (2001)
5595	LPL	A	G	--	Heart Attack	Reymer (1995), Wright (2007)
4026	LDLR	C	A	CC	Heart Attack	FH LEBANESE; Khachadurian (1964), Lehrman (1987), Oppenheim (1991)
18882	F5	C	T	CT	Heart Attack	Bertina (1994), Majerus (1994), Ridker (1995), Kemkes-Matthes (2004), Juul (2004), Ye (2006)
73605	LDLR	I	D	II	Heart Attack	FH NORTH KARELIA, Koivisto (1992)
73722	10q11.21	C	T	CT	Heart Attack	Samani (2007), Coronary Artery Disease Consortium (2009), Bressler (2010), Roder (2011)
73875	KIF6	A	G	AA	Heart Attack	Samani (2007), Iakoubova (2008), Schiffman (2008), Cunningham (2008)
73886	VAMP8	T	C	TC	Heart Attack	Shiffman (2006), Morrison (2007), Bare (2007), Luke (2009)
102344	KIF6	A	G	AA	Heart Attack	Samani (2007), Iakoubova (2008), Schiffman (2008), Cunningham (2008), Iakoubova (2008)
800840	ITGB3	T	C	TT	Heart Attack	Newman (1989), Weiss (1995), Weiss (1996), Pastinen (1998), Goldschmidt-Clermont (1999), Zhu (2000), Castelnuovo (2001), Wiwanitkit (2006), Kucharska-Newton (2011)
102463		Haplotype:54895, 54800		CC-CC	Warfarin (Coumadin®) Dosing	Anderson (2007), Gage (2008), N Engl J Med 2009;360:753-64, Lenzini (2007), Lenzini (2008), Schwarz (2008), Schelleman (2008), Millican (2007)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
102451		Haplotype:54895, 54835		CC-CC	Warfarin (Coumadin®) Dosing	Anderson (2007), Gage (2008), N Engl J Med 2009;360:753-64, Lenzini (2007), Lenzini (2008), Schwarz (2008), Schelleman (2008), Millican (2007)
102466		Haplotype:54895, 54835, 54836		CC-CC-AC	Warfarin (Coumadin®) Dosing	Anderson (2007), Gage (2008), N Engl J Med 2009;360:753-64, Lenzini (2007), Lenzini (2008), Schwarz (2008), Schelleman (2008), Millican (2007)
102454		Haplotype:54895, 54836		CC-AC	Warfarin (Coumadin®) Dosing	Anderson (2007), Gage (2008), N Engl J Med 2009;360:753-64, Lenzini (2007), Lenzini (2008), Schwarz (2008), Schelleman (2008), Millican (2007)
54821	CYP2C9	A	C	AC	Warfarin (Coumadin®) Dosing	Wadelius (2007), Krynetskiy (2007), Wadelius (2008), Caraco (2008), Sconce (2005), Anderson (2007), Gage (2008), N Engl J Med 2009;360:753-64, Lenzini (2007), Lenzini (2008), Schwarz (2008), Schelleman (2008), Millican (2007)
16663	F9	C	T	C	Warfarin (Coumadin®) Dosing	Oldenburg (1997)
54800	CYP2C9	C	G	CC	Warfarin (Coumadin®) Dosing	Schwarz (2008), Caraco (2008), Sconce (2005), Anderson (2007), Gage (2008), N Engl J Med 2009;360:753-64, Lenzini (2007), Lenzini (2008), Schwarz (2008), Schelleman (2008), Millican (2007)
54835	CYP2C9	C	T	CC	Warfarin (Coumadin®) Dosing	King (2004), Wadelius (2007), Palkimas (2003), Wadelius (2006), Caraco (2008), Sconce (2005), Anderson (2007), Gage (2008), N Engl J Med 2009;360:753-64, Lenzini (2007), Lenzini (2008), Schwarz (2008), Schelleman (2008), Millican (2007), US FDA Coumadin Label
54895	VKORC1	C	T	CC	Warfarin (Coumadin®) Dosing	Wadelius (2007), Krynetskiy (2007), Yuan, (2005), D'Andrea , (2005), Rieder (2005), Geisen, (2005), Sconce (2005), Tham (2006), Cooper (2008), Wang (2008), Wadelius (2009), Anderson (2007), Gage (2008), N Engl J Med 2009;360:753-64, Lenzini (2007), Lenzini (2008), Schwarz (2008), Schelleman (2008), Millican (2007)
54898	VKORC1	C	T	--	Warfarin (Coumadin®) Dosing	Li (2006), Wadelius (2007), Wadelius (2008), Rieder (2005), Wadelius (2009), Anderson (2007), Gage (2008), N Engl J Med 2009;360:753-64, Lenzini (2007), Lenzini (2008), Schwarz (2008), Schelleman (2008), Millican (2007)
54909	VKORC1	C	G	CC	Warfarin (Coumadin®) Dosing	Li (2006), Anderson (2007), Gage (2008), N Engl J Med 2009;360:753-64, Lenzini (2007), Lenzini (2008), Schwarz (2008), Schelleman (2008), Millican (2007)
102445	CYP4F2	C	T	TT	Warfarin (Coumadin®) Dosing	Caldwell (2008), Borgiani (2009), Anderson (2007), Gage (2008), N Engl J Med 2009;360:753-64, Lenzini (2007), Lenzini (2008), Schwarz (2008), Schelleman (2008), Millican (2007)
102446	GGCX	C	G	CC	Warfarin (Coumadin®) Dosing	Rieder (2007), Anderson (2007), Gage (2008), N Engl J Med 2009;360:753-64, Lenzini (2007), Lenzini (2008), Schwarz (2008), Schelleman (2008), Millican (2007)
54836	CYP2C9	A	C	AC	Warfarin (Coumadin®) Dosing	Sullivan-Klose (1996), Steward (1997), Wang (2008) , Caraco (2008), Sconce (2005), Anderson (2007), Gage (2008), N Engl J Med 2009;360:753-64, Lenzini (2007), Lenzini (2008), Schwarz (2008), Schelleman (2008), Millican (2007), US FDA Coumadin Drug Label
16662	F9	G	A	G	Warfarin (Coumadin®) Dosing	Chu (1996)
54896	VKORC1	G	A	GG	Warfarin (Coumadin®) Dosing	D'Andrea (2005), Rieder (2007), Wadelius (2007), Wadelius (2005), Krynetskiy (2007), Yuan (2005), Borgiani (2007), Rieder (2005), Wadelius (2009), Anderson (2007), Gage (2008), N Engl J Med 2009;360:753-64, Lenzini (2007), Lenzini (2008), Schwarz (2008), Schelleman (2008), Millican (2007)
70604	CYP2C9	G	C	GG	Warfarin (Coumadin®) Dosing	Chrn (2006), Wang (2008), Caraco (2008), Sconce (2005), Anderson (2007), Gage (2008), N Engl J Med 2009;360:753-64, Lenzini (2007), Lenzini (2008), Schwarz (2008), Schelleman (2008), Millican (2007)
54901	VKORC1	T	C	TT	Warfarin (Coumadin®) Dosing	Rost (2004), Anderson (2007), Gage (2008), N Engl J Med 2009;360:753-64, Lenzini (2007), Lenzini (2008), Schwarz (2008), Schelleman (2008), Millican (2007)
54902	VKORC1	A	G	AA	Warfarin (Coumadin®) Dosing	Rost (2004), Anderson (2007), Gage (2008), N Engl J Med 2009;360:753-64, Lenzini (2007), Lenzini (2008), Schwarz (2008), Schelleman (2008), Millican (2007)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
54903	VKORC1	C	A	CC	Warfarin (Coumadin®) Dosing	Rost (2004), Anderson (2007), Gage (2008), N Engl J Med 2009;360:753-64, Lenzini (2007), Lenzini (2008), Schwarz (2008), Schelleman (2008), Millican (2007)
54908	VKORC1	A	C	AA	Warfarin (Coumadin®) Dosing	Rost (2004), Krynetskiy (2007), Anderson (2007), Gage (2008), N Engl J Med 2009;360:753-64, Lenzini (2007), Lenzini (2008), Schwarz (2008), Schelleman (2008), Millican (2007)
54910	VKORC1	C	A	CC	Warfarin (Coumadin®) Dosing	Bodin (2005), Anderson (2007), Gage (2008), N Engl J Med 2009;360:753-64, Lenzini (2007), Lenzini (2008), Schwarz (2008), Schelleman (2008), Millican (2007)
54911	VKORC1	C	T	CC	Warfarin (Coumadin®) Dosing	Harrington (2005), Anderson (2007), Gage (2008), N Engl J Med 2009;360:753-64, Lenzini (2007), Lenzini (2008), Schwarz (2008), Schelleman (2008), Millican (2007)
54913	VKORC1	C	T	CC	Warfarin (Coumadin®) Dosing	Yuan (2005), Anderson (2007), Gage (2008), N Engl J Med 2009;360:753-64, Lenzini (2007), Lenzini (2008), Schwarz (2008), Schelleman (2008), Millican (2007)
54914	VKORC1	C	T	CT	Warfarin (Coumadin®) Dosing	Wadelius (2007), Anderson (2007), Gage (2008), N Engl J Med 2009;360:753-64, Lenzini (2007), Lenzini (2008), Schwarz (2008), Schelleman (2008), Millican (2007)
55308	BCHE	C	A	CC	Susceptibility to Postanesthetic Apnea with Succinylcholine, Mivacurium, and Suxamethonium due to BCHE Gene	La Du (1990), La Du (1991), Nogueira (1992), Counsyl (2015), Illumina Clinical Services Laboratory (2016)
55310	BCHE	G	A	GG	Susceptibility to Postanesthetic Apnea with Succinylcholine, Mivacurium, and Suxamethonium due to BCHE Gene	Harris (1961), La Du (1990), La Du (1991), Nogueira (1992)
102181	CYP2C9	A	C	AC	Sulfonylureas Adverse Reactions	Kidd (1999), Margaglione (2000), Tate (2005), Arnett (2007), Borgiani (2007), Wadelius (2008)
54837	CYP2C9	A	C	AC	Phenytoin Metabolism & Dosing	Kidd (1999), Margaglione (2000), Tate (2005), Arnett (2007), Borgiani (2007), Wadelius (2008)
55207	TPMT	C	G	CC	Mercaptopurine and Azathioprine Dosing and Toxicity due to TPMT	Evans (1991), Krynetski (1995), Tai (1996), Tai (1997), Ameyaw (1999)
55312	BCHE	T	C	TT	Susceptibility to Postanesthetic Apnea with Succinylcholine, Mivacurium, and Suxamethonium due to BCHE Gene	Kalow (1957), Kalow (1959), Kalow (1962), McGuire (1989), La Du (1991), Counsyl (2015), Illumina Clinical Services Laboratory (2016)
55335	BCHE	T	C	TT	Susceptibility to Postanesthetic Apnea with Succinylcholine, Mivacurium, and Suxamethonium due to BCHE Gene	Hidaka (1997)
55225	TPMT	T	A	TT	Mercaptopurine and Azathioprine Dosing and Toxicity due to TPMT	Otterness (1997)
55229	TPMT	C	T	CC	Mercaptopurine and Azathioprine Dosing and Toxicity due to TPMT	Otterness (1998)
55208	TPMT	T	C	TT	Mercaptopurine and Azathioprine Dosing and Toxicity due to TPMT	Evans (1991), Krynetski (1995), Tai (1996), Tai (1997), Ameyaw (1999)
55348	BCHE	A	G	AA	Susceptibility to Postanesthetic Apnea with Succinylcholine, Mivacurium, and Suxamethonium due to BCHE Gene	Manoharan (2006)
55350	BCHE	A	T	AA	Susceptibility to Postanesthetic Apnea with Succinylcholine, Mivacurium, and Suxamethonium due to BCHE Gene	Sudo (1997)
55424	DPYD	C	A	CC	Dihydropyrimidine Dehydrogenase Deficiency & Possible 5-FU Toxicity	Vreken (1997), Vreken (1998), van Kuilenburg (1999)
55429	DPYD	T	C	TT	Dihydropyrimidine Dehydrogenase Deficiency & Possible 5-FU Toxicity	Gross (2003)
55215	TPMT	T	C	TT	Mercaptopurine and Azathioprine Dosing and Toxicity due to TPMT	Lindqvist (2004)
55217	TPMT	A	G	AA	Mercaptopurine and Azathioprine Dosing and Toxicity due to TPMT	Otterness (1997)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
55219	TPMT	C	A	CC	Mercaptopurine and Azathioprine Dosing and Toxicity due to TPMT	Otterness (1997)
55432	DYPD	G	A	GG	Dihydropyrimidine Dehydrogenase Deficiency & Possible 5-FU Toxicity	Vreken (1997)
55435	DYPD	G	A	AA	Dihydropyrimidine Dehydrogenase Deficiency & Possible 5-FU Toxicity	Vreken (1997)
55354	BCHE	G	T	GG	Susceptibility to Postanesthetic Apnea with Succinylcholine, Mivacurium, and Suxamethonium due to BCHE Gene	Hidaka (1997)
55357	BCHE	C	A	CC	Susceptibility to Postanesthetic Apnea with Succinylcholine, Mivacurium, and Suxamethonium due to BCHE Gene	Levano (2005)
55361	BCHE	C	T	CC	Susceptibility to Postanesthetic Apnea with Succinylcholine, Mivacurium, and Suxamethonium due to BCHE Gene	Yen (2003)
55444	DYPD	G	A	GG	Dihydropyrimidine Dehydrogenase Deficiency & Possible 5-FU Toxicity	van Kuilenburg (2003)
55445	DYPD	G	A	GG	Dihydropyrimidine Dehydrogenase Deficiency & Possible 5-FU Toxicity	van Kuilenburg (2000)
55446	DYPD	T	G	TT	Dihydropyrimidine Dehydrogenase Deficiency & Possible 5-FU Toxicity	Ezzeldin (2005)
55365	BCHE	T	A	TT	Susceptibility to Postanesthetic Apnea with Succinylcholine, Mivacurium, and Suxamethonium due to BCHE Gene	Garry (1976), Evans (1984), Bartels (1992)
55369	BCHE	A	C	AA	Susceptibility to Postanesthetic Apnea with Succinylcholine, Mivacurium, and Suxamethonium due to BCHE Gene	Primo-Parmo (1996)
55449	DYPD	T	G	TT	Dihydropyrimidine Dehydrogenase Deficiency & Possible 5-FU Toxicity	van Kuilenburg (2000)
55450	DYPD	T	C	TT	Dihydropyrimidine Dehydrogenase Deficiency & Possible 5-FU Toxicity	van Kuilenburg (2002)
55451	DYPD	T	G	TT	Dihydropyrimidine Dehydrogenase Deficiency & Possible 5-FU Toxicity	van Kuilenburg (2005)
55452	DYPD	T	C	TT	Dihydropyrimidine Dehydrogenase Deficiency & Possible 5-FU Toxicity	Gross (2003)
55453	DYPD	C	A	CC	Dihydropyrimidine Dehydrogenase Deficiency & Possible 5-FU Toxicity	Kouwaki (1998)
55455	DYPD	T	C	TT	Dihydropyrimidine Dehydrogenase Deficiency & Possible 5-FU Toxicity	van Kuilenburg (2000)
55456	DYPD	C	A	CC	Dihydropyrimidine Dehydrogenase Deficiency & Possible 5-FU Toxicity	Kouwaki (1998)
55457	DYPD	G	A	GG	Dihydropyrimidine Dehydrogenase Deficiency & Possible 5-FU Toxicity	van Kuilenburg (2002)
55458	DYPD	C	T	CC	Dihydropyrimidine Dehydrogenase Deficiency & Possible 5-FU Toxicity	van Kuilenburg (2005)
55459	DYPD	A	C	AA	Dihydropyrimidine Dehydrogenase Deficiency & Possible 5-FU Toxicity	Collie-Duguid (2000)
55460	DYPD	C	A	CC	Dihydropyrimidine Dehydrogenase Deficiency & Possible 5-FU Toxicity	Salgueiro (2004)

Your Genetic Testing Data

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55462	DPYD	C	A	CC	Dihydropyrimidine Dehydrogenase Deficiency & Possible 5-FU Toxicity	Ezzeldin (2003)
55465	DPYD	T	C	TT	Dihydropyrimidine Dehydrogenase Deficiency & Possible 5-FU Toxicity	van Kuilenburg (2000)
55466	DPYD	C	A	CC	Dihydropyrimidine Dehydrogenase Deficiency & Possible 5-FU Toxicity	van Kuilenburg (2005)
55468	DPYD	C	T	CC	Dihydropyrimidine Dehydrogenase Deficiency & Possible 5-FU Toxicity	van Gennip (1994), Meinsma (1995), Wei (1996)
55374	ALAD	C	G	CC	Susceptibility to Lead Poisoning	Wetmur (1991)
55214	TPMT	C	T	CC	Mercaptopurine and Azathioprine Dosing and Toxicity due to TPMT	Hon (1999)
800872	MTHFR	A	C	AA	Adverse Reaction to Nitrous Oxide	Kluijtmans (1998), Erbe (2003), Selzer (2003), Kalikiri (2004), Shay (2007)
800873	MTHFR	G	A	GG	Adverse Reaction to Nitrous Oxide	Kluijtmans (1998), Erbe (2003), Selzer (2003), Kalikiri (2004), Shay (2007)
800835	MTHFR	C	T	CC	Adverse Reaction to Nitrous Oxide	Beckman (1987), Selzer (2003), Erbe (2003), Selzer (2003), Kalikiri (2004), Shay (2007)
800870	MTHFR	G	A	GA	Adverse Reaction to Nitrous Oxide	Frosst (1995), McAndrew (1996), Erbe (2003), Selzer (2003), Kalikiri (2004), Shay (2007)
800871	MTHFR	T	G	TT	Adverse Reaction to Nitrous Oxide	Put (1998)
47472	TP53	C	T	CC	Adrenocortical Carcinoma	Ribeiro (2001), DiGiammarino (2002), Latronico (2001), Longui (2004), Figueiredo (2006), Pinto (2005)
47055	ATM	A	C	--	Increased Risk of Breast Cancer with Radiation Exposure	Atencio (2001), Cardis (2007)
47076	ATM	A	G	AA	Increased Risk of Breast Cancer with Radiation Exposure	Sommer (2003), Cardis (2007)
47083	ATM	A	G	AA	Increased Risk of Breast Cancer with Radiation Exposure	Atencio (2001), Cardis (2007)
47109	ATM	A	G	--	Increased Risk of Breast Cancer with Radiation Exposure	Atencio (2001), Cardis (2007)
47114	ATM	A	G	AA	Increased Risk of Breast Cancer with Radiation Exposure	Sommer (2003), Cardis (2007)
47119	ATM	A	G	AA	Increased Risk of Breast Cancer with Radiation Exposure	Sommer (2003), Cardis (2007)
47166	ATM	A	G	AA	Increased Risk of Breast Cancer with Radiation Exposure	Teraoka (2001), Cardis (2007)
47173	ATM	A	G	AA	Increased Risk of Breast Cancer with Radiation Exposure	Teraoka (2001), Cardis (2007)
47208	ATM	A	G	AA	Increased Risk of Breast Cancer with Radiation Exposure	Maillet (2002), Cardis (2007)
46953	ATM	C	T	--	Harmless variant (previously associated with Breast Cancer with Radiation Exposure)	Sommer (2002), Cardis (2007)
46970	ATM	C	T	--	Harmless variant (previously associated with Breast Cancer with Radiation Exposure)	Atencio (2001), Cardis (2007)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
47077	ATM	C	T	CC	Increased Risk of Breast Cancer with Radiation Exposure	Teraoka (2001), Cardis (2007)
47121	ATM	C	T	CC	Increased Risk of Breast Cancer with Radiation Exposure	Atencio (2001), Cardis (2007)
47138	ATM	C	T	CC	Increased Risk of Breast Cancer with Radiation Exposure	Sommer (2003), Cardis (2007)
102383	ATM	C	G	--	Harmless variant (previously associated with Breast Cancer with Radiation Exposure)	Castellvi-Bel (1999), Stredrick (2006), Maillet (2002), Buchholz (2004), Cox (2007), Cardis (2007)
47025	ATM	G	A	GG	Increased Risk of Breast Cancer with Radiation Exposure	Bernstein (2003), Cardis (2007)
47071	ATM	G	A	GG	Increased Risk of Breast Cancer with Radiation Exposure	Sommer (2002), Cardis (2007)
47149	ATM	G	A	GG	Increased Risk of Breast Cancer with Radiation Exposure	Izatt (1999), Cardis (2007)
47239	ATM	G	T	--	Increased Risk of Breast Cancer with Radiation Exposure	Teraoka (2001), Cardis (2007)
47048	ATM	T	C	--	Increased Risk of Breast Cancer with Radiation Exposure	Sommer (2002), Cardis (2007)
47049	ATM	T	G	TT	Increased Risk of Breast Cancer with Radiation Exposure	Sommer (2002), Cardis (2007)
47052	ATM	T	C	--	Increased Risk of Breast Cancer with Radiation Exposure	Doerk (2001), Fletcher (2010), Cardis (2007)
47080	ATM	T	G	--	Increased Risk of Breast Cancer with Radiation Exposure	Maillet (2002), Cardis (2007)
801316	BRCA1	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	Futreal (1994)
801317	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	Castilla (1994)
801318	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	Friedman (1994)
801319	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	Castilla (1994)
801320	BRCA1	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	Castilla (1994)
801321	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	Berchuck (1998), Easton (2007)
801322	BRCA1	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	Friedman (1994)
801349	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	Gayther (1997)

Your Genetic Testing Data

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801304	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	Simard (1994), Struewing (1995), Oddoux (1996), Roa (1996), Bar-Sade (1997), Bar-Sade (1998), Bandera (1998), Schorge (1998), Mew (2002), Buisson (2006), GeneDx (2014), Counsyl (2014), Michigan Medical Genetics Laboratories of the University of Michigan (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA) of the University of Cambridge (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2015), Oslo University Hospital (2015), Color Genomics (2015), Laboratory for Molecular Medicine of Partners HealthCare Personalized Medicine (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (2016), Illumina Clinical Services Laboratory (2016), EGL Genetic Diagnostics (2016), Ambry Genetics (2016), Baylor Miraca Genetics Laboratories (2017), Datar Genetics Limited (2017), Cancer Genetics and Genomics Laboratory of the British Columbia Cancer Agency (2017), Invitae (2017), GeneDx (2017), Queen's University - The Canadian Open Genetics Repository (2017)
801434	BRCA1	A	G	--	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	Castilla (1994)
801738	BRCA2	T	C	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	Katagiri (1998)
801779	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	De Benedetti (1998)
801307	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	
801314	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	Aziz (2001), Easton (2007)
801836	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	Schoumacher (2001)
801920	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Breast Cancer with Radiation Exposure)	Han (2006)
801922	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Breast Cancer with Radiation Exposure)	Han (2006)
801926	BRCA2	A	T	AA	Variant of Unknown Significance (possibly associated with Breast Cancer with Radiation Exposure)	Han (2006)
801931	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast Cancer with Radiation Exposure)	Seo (2004)
801941	BRCA2	T	G	TT	Variant of Unknown Significance (possibly associated with Breast Cancer with Radiation Exposure)	Yassaee (2002)
801943	BRCA2	T	G	TT	Variant of Unknown Significance (possibly associated with Breast Cancer with Radiation Exposure)	Sakayori (2003)
801996	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	Dong (1998), Invitae (2013), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA) of the University of Cambridge (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (2016)
827007	BRCA1	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827008	BRCA1	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018)
827009	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827010	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827011	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827012	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
827013	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827014	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2018)
827015	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2018)
827016	BRCA1	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827017	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, 28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2018), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2019)
827018	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827019	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Ambry Genetics (2016), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017), Integrated Genetics/Laboratory Corporation of America (2018)
827020	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
827021	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Amby Genetics (2016), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827022	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, 28492532, GeneDx (2013), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2015), GeneDx (2015), Amby Genetics (2016), Integrated Genetics/Laboratory Corporation of America (2018)
827023	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014)
827024	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Amby Genetics (2017)
827025	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Medical Genetics, Oslo University Hospital (2017), Color (2018)
827026	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Amby Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017), Integrated Genetics/Laboratory Corporation of America (2018)
827027	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Amby Genetics (2016), Integrated Genetics/Laboratory Corporation of America (2018)
827028	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCR) (2012), Amby Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827029	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 26845104, Sharing Clinical Reports Project (SCR) (2012), University of Washington Department of Laboratory Medicine, University of Washington (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017), Amby Genetics (2017)
827030	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827031	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Integrated Genetics/Laboratory Corporation of America (2018)
827032	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCR) (2012), Amby Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
827033	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
850030	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (2002), Consortium of Investigators of Modifiers of BRCA1/2 (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (2016), German Consortium for Hereditary Breast and Ovarian Cancer Center Cologne of the University Hospital Cologne (2018)
826943	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, 8524414, OMIM (2011), Invitae (2018)
826944	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, 8524414, OMIM (2011), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2018), PreventionGenetics, PreventionGenetics (2018), Mendelics (2018), Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Integrated Genetics/Laboratory Corporation of America (2018)
827034	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2015)
827035	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827036	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCR) (2012), GeneDx (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827037	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, Sharing Clinical Reports Project (SCR) (2012), Ambr Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2018), Integrated Genetics/Laboratory Corporation of America (2019)
827038	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827039	BRCA1	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 26467025, 26845104, 28492532, GeneDx (2013), Counsyl (2015), Michigan Medical Genetics Laboratories, University of Michigan (2016), Integrated Genetics/Laboratory Corporation of America (2017), Baylor Genetics (2017)
826945	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	14670928, OMIM (2011), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
826946	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	14670928, 28492532, OMIM (2011), Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2019)
826947	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), GeneDx (2017), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
827040	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Bioscientia Institut fuer Medizinische Diagnostik GmbH, Sonic Healthcare (2016)
827041	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827042	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, 28492532, GeneDx (2013), Ambry Genetics (2015), Michigan Medical Genetics Laboratories, University of Michigan (2016), Baylor Genetics (2017), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
827043	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017)
827044	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014)
827045	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2018)
826948	BRCA2	T	C	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	14670928, OMIM (2011), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017), GeneDx (2017)
826949	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	15689453, 15689453, 15689453, OMIM (2011), OMIM (2011), OMIM (2011), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017)
826950	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	16825431, 24033266, 25741868, 25741868, 26845104, 28492532, OMIM (2011), Sharing Clinical Reports Project (SCRP) (2013), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2015), Counsyl (2018), Integrated Genetics/Laboratory Corporation of America (2018)
827046	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827047	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827048	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
826951	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	15070707, 16825431, 28492532, OMIM (2011), Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Counsyl (2018)
826952	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	15070707, 15645491, 16825431, 25741868, 25741868, 25741868, 26467025, 28492532, OMIM (2011), Ambry Genetics (2014), Michigan Medical Genetics Laboratories, University of Michigan (2016), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2018)
826953	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, 7894491, OMIM (2011), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)
827049	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2018)
827050	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2017), GeneDx (2017), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827051	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), GeneDx (2017), Counsyl (2017)
826954	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 7894493, OMIM (2011), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), Sharing Clinical Reports Project (SCRP) (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
826955	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, 28492532, 7894492, OMIM (2011), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2019)
826956	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, 7894493, OMIM (2011), Ambry Genetics (2014), GeneDx (2015), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2016), Baylor Genetics (2017)
827052	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), GeneDx (2015), Baylor Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2018), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019)
827053	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827054	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
826957	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, 28492532, 7894491, OMIM (2011), Baylor Genetics (2017), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Integrated Genetics/Laboratory Corporation of America (2018), Genome Diagnostics Laboratory, University Medical Center Utrecht (2018)
826958	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	7894491, OMIM (2011), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
826959	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	10196379, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, OMIM (2011), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)
827055	BRCA1	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Laboratoire de Biologie et Génétique du Cancer, Centre François Baclesse (2017)
827056	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827057	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
826960	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	10196379, 25741868, 26467025, 28492532, OMIM (2011), Ambry Genetics (2014), Division Human Genetics, Medical University Innsbruck (2015), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
826961	BRCA1	T	C	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	11385711, 12014998, 12955716, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, OMIM (2011), Ambry Genetics (2014), Baylor Genetics (2017), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Integrated Genetics/Laboratory Corporation of America (2018)
826962	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Michigan Medical Genetics Laboratories, University of Michigan (2016), Ambry Genetics (2016), GeneDx (2018)
827058	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827059	BRCA1	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, 28492532, GeneDx (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Integrated Genetics/Laboratory Corporation of America (2018), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2019)
827060	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRP) (2012), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Medical Genetics, Oslo University Hospital (2017)
826963	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
826964	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
826965	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), GeneDx (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827061	BRCA1	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2017), GeneDx (2017), Invitae (2017), Integrated Genetics/Laboratory Corporation of America (2018)
827062	BRCA1	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2015), Integrated Genetics/Laboratory Corporation of America (2018)
827063	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2017), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2019), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2019)
826966	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
826967	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
826968	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827064	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), Laboratory for Molecular Medicine,Partners HealthCare Personalized Medicine (2017), Integrated Genetics/Laboratory Corporation of America (2019)
827065	BRCA1	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2017), GeneDx (2017), Color (2019)
827066	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2017), GeneDx (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017)
826969	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
826970	BRCA1	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
826971	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2018), Mendelics (2018)
827067	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017), Research Molecular Genetics Laboratory,Women's College Hospital, University of Toronto (2017)
827068	BRCA1	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Department of Medical Genetics,Oslo University Hospital (2017)
827069	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), GeneDx (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
826972	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2018)
826973	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)
826974	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2019)
827070	BRCA1	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2018), Laboratory for Molecular Medicine,Partners HealthCare Personalized Medicine (2019)
827071	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	11157798, 21946536, 24033266, 25741868, 25741868, 26467025, 28492532, OMIM (2012), Ambry Genetics (2014), Division Human Genetics,Medical University Innsbruck (2015), GeneDx (2015), Laboratory for Molecular Medicine,Partners HealthCare Personalized Medicine (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827072	BRCA1	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 26845104, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), University of Washington Department of Laboratory Medicine, University of Washington (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Integrated Genetics/Laboratory Corporation of America (2019)
826975	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017), GeneDx (2018), Integrated Genetics/Laboratory Corporation of America (2019)
826976	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Michigan Medical Genetics Laboratories, University of Michigan (2016), Ambry Genetics (2016), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017), GeneDx (2018)
826977	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827073	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2017), Invitae (2018)
827074	BRCA1	T	C	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26845104, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2018)
827075	BRCA1	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	23269703, 23269703, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Integrated Genetics/Laboratory Corporation of America (2018), OMIM (2018), OMIM (2018), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
826978	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
826979	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
826980	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
827076	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Invitae (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827077	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827078	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Integrated Genetics/Laboratory Corporation of America (2018)
826981	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
826982	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2019)
826983	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827079	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827080	BRCA1	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
827081	BRCA1	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Counsyl (2018)
826984	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Fulgent Genetics, Fulgent Genetics (2017), Ambry Genetics (2017)
826985	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2019)
826986	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
827082	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827083	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
827084	BRCA1	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Department of Medical Genetics, University Hospital of North Norway (2016), Ambry Genetics (2017), GeneDx (2017)
826987	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, GeneDx (2013), Ambry Genetics (2014), Baylor Genetics (2017), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Integrated Genetics/Laboratory Corporation of America (2018)
826988	BRCA1	T	C	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Michigan Medical Genetics Laboratories, University of Michigan (2016), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Integrated Genetics/Laboratory Corporation of America (2018), PreventionGenetics, PreventionGenetics (2018)
826989	BRCA1	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, 26845104, 28492532, Sharing Clinical Reports Project (SCRP) (2012), GeneDx (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), Integrated Genetics/Laboratory Corporation of America (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827085	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), Counsyl (2015), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2019)
827086	BRCA1	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2019)
827087	BRCA1	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Foulkes Cancer Genetics LD1, Lady Davis Institute for Medical Research (2018)
826990	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
826991	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
826992	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2018)
827088	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Division Human Genetics, Medical University Innsbruck (2015), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2018)
827089	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Integrated Genetics/Laboratory Corporation of America (2019)
827090	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017)
826993	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), GeneDx (2017), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019)
826994	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018), Invitae (2019)
826995	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), GeneDx (2015), Baylor Genetics (2017), PreventionGenetics, PreventionGenetics (2018), Integrated Genetics/Laboratory Corporation of America (2018)
827091	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Ambry Genetics (2014), GeneDx (2015), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Integrated Genetics/Laboratory Corporation of America (2019), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827092	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014)
827093	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
826996	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
826997	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	23269703, 25741868, 25741868, 26467025, 26845104, 28492532, Ambry Genetics (2014), GeneDx (2015), Michigan Medical Genetics Laboratories, University of Michigan (2016), Integrated Genetics/Laboratory Corporation of America (2018), OMIM (2018)
826998	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCR) (2012), Ambry Genetics (2014), Michigan Medical Genetics Laboratories, University of Michigan (2016), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2018)
827094	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCR) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827095	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017)
827096	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, 28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), GeneDx (2015), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2015), GeneKor MSA (2016)
826999	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCR) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827000	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Michigan Medical Genetics Laboratories, University of Michigan (2016), Ambry Genetics (2016), GeneDx (2018), Integrated Genetics/Laboratory Corporation of America (2019)
827001	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016), Ambry Genetics (2017), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019)
827097	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2018)
827098	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCR) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2018)
827099	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827002	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2018)
827003	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827004	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
827100	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018), Invitae (2018), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2019)
827101	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Integrated Genetics/Laboratory Corporation of America (2018)
827102	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
801315	BRCA1	T	C	--	Harmless variant (previously associated with Breast Cancer with Radiation Exposure)	Schoumacher (2001)
827647	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827648	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018), DNA and Cytogenetics Diagnostics Unit, Erasmus Medical Center (2018)
827324	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2013), GeneDx (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Baylor Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2019)
827325	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2013), GeneDx (2013), Ambry Genetics (2014), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
827326	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828619	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828620	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828621	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)

Your Genetic Testing Data

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828297	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2018)
828298	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRIP) (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828299	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Sharing Clinical Reports Project (SCRIP) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827103	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRIP) (2012), GeneDx (2013), Ambry Genetics (2014), Integrated Genetics/Laboratory Corporation of America (2018), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
827104	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCRIP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2019)
827105	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Sharing Clinical Reports Project (SCRIP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
828300	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828301	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828302	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Medical Genetics, Oslo University Hospital (2017)
827649	BRCA2	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
827650	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
827651	BRCA2	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Sharing Clinical Reports Project (SCRIP) (2014), Ambry Genetics (2017), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2019)
828622	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
828623	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828624	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827005	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
827006	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Department of Medical Genetics, Oslo University Hospital (2017)
829275	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828941	BRCA1	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), GeneDx (2017)
828942	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Genologica Medica (2017), Ambry Genetics (2017)
828943	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Color (2019)
827106	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, GeneDx (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019), Integrated Genetics/Laboratory Corporation of America (2019)
827107	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Integrated Genetics/Laboratory Corporation of America (2018)
827108	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
827652	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827653	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2019)
827654	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828625	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)

Your Genetic Testing Data

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828626	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), 3DMed Clinical Laboratory Inc (2018)
828627	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCR) (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Department of Medical Genetics, Oslo University Hospital (2017)
827109	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2018)
827110	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
827111	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), GeneDx (2015), Michigan Medical Genetics Laboratories, University of Michigan (2016), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2016), Integrated Genetics/Laboratory Corporation of America (2018)
829276	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829277	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829278	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828303	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Sharing Clinical Reports Project (SCR) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828304	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828305	BRCA1	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827655	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827656	BRCA2	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Color (2018)
827657	BRCA2	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 28492532, Invitae (2013), Ambry Genetics (2016), GeneDx (2016), Baylor Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2018)

Your Genetic Testing Data

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829279	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), Counsyl (2017), Invitae (2017), Ambry Genetics (2017), Mayo Clinic Genetic Testing Laboratories, Mayo Clinic (2018)
829280	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829281	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017)
827112	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2017), GeneDx (2018)
827113	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Color (2019)
827114	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), GeneDx (2017)
828628	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2013), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2016), GeneDx (2016), Mendelics (2018)
828629	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828630	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828306	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828307	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828308	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829282	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2018), Invitae (2019)
829283	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829284	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827658	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
827659	BRCA2	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827660	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Invitae (2013), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Ambry Genetics (2017), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
827115	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 28492532, GeneDx (2015), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2018), PreventionGenetics, PreventionGenetics (2018), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019)
827116	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), GeneDx (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2019)
827117	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), GeneDx (2016), Invitae (2017), Integrated Genetics/Laboratory Corporation of America (2018)
828631	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828632	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Fulgent Genetics, Fulgent Genetics (2017), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
828633	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Counsyl (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827661	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827662	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827663	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828309	BRCA1	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
828310	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2014), Counsyl (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Department of Medical Genetics, Oslo University Hospital (2017), Integrated Genetics/Laboratory Corporation of America (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828311	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829285	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829286	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829287	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827118	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2015), Ambry Genetics (2016), GeneDx (2016), Fulgent Genetics, Fulgent Genetics (2017)
827119	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827120	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017)
828312	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Counsyl (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
828313	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828314	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828634	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828635	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Color (2019)
828636	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827664	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), GeneDx (2017), Mendelics (2018)
827665	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827666	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
829288	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829289	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829290	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827121	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Ambry Genetics (2016), Laboratory of Molecular Diagnosis of Cancer, West China Hospital, Sichuan University (2016)
827122	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017)
827123	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Integrated Genetics/Laboratory Corporation of America (2018)
828315	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828316	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828317	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828637	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828638	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRP) (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Department of Medical Genetics, Oslo University Hospital (2017)
828639	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829291	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829292	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2018), Invitae (2018)
829293	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827667	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018), DNA and Cytogenetics Diagnostics Unit, Erasmus Medical Center (2018)
827668	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827669	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2018)
827124	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827125	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Ambry Genetics (2016), Fulgent Genetics, Fulgent Genetics (2019), Integrated Genetics/Laboratory Corporation of America (2019)
827126	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRP) (2012), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2019)
828318	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Ambry Genetics (2014), Division Human Genetics, Medical University Innsbruck (2015), GeneDx (2015), Michigan Medical Genetics Laboratories, University of Michigan (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2016)
828319	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Invitae (2013), Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2017), GeneDx (2017), PreventionGenetics, PreventionGenetics (2018)
828320	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828640	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828641	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneKor MSA (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828642	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827670	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827671	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827672	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828321	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
828322	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828323	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827127	BRCA2	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2012), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827128	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017)
827129	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828643	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828644	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828645	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827130	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), GeneDx (2015), Baylor Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2018), PreventionGenetics, PreventionGenetics (2018)
827131	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCR) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2019)
827132	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Division Human Genetics, Medical University Innsbruck (2015), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2015), Ambry Genetics (2016), Integrated Genetics/Laboratory Corporation of America (2018)
828944	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Michigan Medical Genetics Laboratories, University of Michigan (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828945	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828946	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Color (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828324	BRCA1	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Sharing Clinical Reports Project (SCR) (2014), Ambry Genetics (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
828325	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828326	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828646	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828647	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828648	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829294	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Foulkes Cancer Genetics LDI, Lady Davis Institute for Medical Research (2018)
829295	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Invitae (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829296	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827133	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCR) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Baylor Genetics (2017), GeneDx (2017)
827134	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCR) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
827135	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828327	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Baylor Genetics (2017)
828328	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2014), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828329	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCR) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2014), Counsyl (2018), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018)
827673	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Color (2018)
827674	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Ambry Genetics (2014), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2018), Mendelics (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827675	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Department of Pathology and Laboratory Medicine, Sinai Health System (2017)
829297	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829298	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Invitae (2018)
829299	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828649	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Michigan Medical Genetics Laboratories, University of Michigan (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2018)
828650	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828651	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827136	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
827137	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014)
827138	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Invitae (2018), Foulkes Cancer Genetics LDI, Lady Davis Institute for Medical Research (2018)
827676	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827677	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Color (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827678	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829300	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Department of Pathology and Laboratory Medicine, Sinai Health System (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
829301	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829302	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828330	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828331	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Integrated Genetics/Laboratory Corporation of America (2019)
828332	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828652	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneKor MSA (2018), Color (2019)
828653	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	11039575, OMIM (2011), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017)
828654	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827139	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
827140	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827141	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Michigan Medical Genetics Laboratories, University of Michigan (2016), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2019)
827679	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827680	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827681	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017)
829303	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

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829304	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2018), Invitae (2019)
829305	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828333	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828334	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828335	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828655	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828656	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Color (2019)
828657	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	24884479, 25741868, 26467025, Counsyl (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), A.C.Camargo Cancer Center / LGBM, A.C.Camargo Cancer Center (2017), Ambry Genetics (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
827142	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827143	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Counsyl (2017)
827144	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Counsyl (2017)
827682	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827683	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827684	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017), GeneKor MSA (2018)
828658	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2016), PreventionGenetics, PreventionGenetics (2018), GeneDx (2018), Integrated Genetics/Laboratory Corporation of America (2019)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
828659	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828660	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829306	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017)
829307	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829308	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), Invitae (2015), Color (2018)
827145	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827146	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2018)
827147	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
827685	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
827686	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018), DNA and Cytogenetics Diagnostics Unit, Erasmus Medical Center (2018)
827687	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Ambry Genetics (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
828336	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Breast Cancer Information Core (BIC) (BRCA1) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828337	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828338	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneKor MSA (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

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828661	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, CSER_CC_NCGL; University of Washington Medical Center (2014), Ambry Genetics (2015), Sharing Clinical Reports Project (SCR) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Integrated Genetics/Laboratory Corporation of America (2018)
828662	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), GeneDx (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Foulkes Cancer Genetics LDI, Lady Davis Institute for Medical Research (2018)
828663	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Sharing Clinical Reports Project (SCR) (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829309	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829310	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829311	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827148	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCR) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2018), Integrated Genetics/Laboratory Corporation of America (2019)
827149	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827150	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Sharing Clinical Reports Project (SCR) (2012), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Counsyl (2017)
828664	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828665	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828666	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
827688	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827689	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827690	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
829312	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Breast Cancer Information Core (BIC) (BRCA2) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017)
829313	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Medical Genetics, Oslo University Hospital (2017), GeneDx (2017)
829314	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828339	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Foulkes Cancer Genetics LDI, Lady Davis Institute for Medical Research (2018)
828340	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Department of Medical Genetics, Oslo University Hospital (2017), Integrated Genetics/Laboratory Corporation of America (2018)
828341	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
827151	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827152	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), GeneDx (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016)
827153	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), GeneDx (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
828667	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828668	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828669	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827154	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2016), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019)
827155	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Counsyl (2015), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827156	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRIP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), GeneDx (2016), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019)
827691	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
827692	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
827693	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2019)
828670	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), GeneDx (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
828671	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Ambry Genetics (2014), Sharing Clinical Reports Project (SCRIP) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Medical Genetics, Oslo University Hospital (2017), GeneDx (2018)
828672	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829315	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829316	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), Invitae (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017)
829317	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828342	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828343	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2018), Integrated Genetics/Laboratory Corporation of America (2019)
828344	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Color (2019)
827157	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Sharing Clinical Reports Project (SCRIP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827158	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRIP) (2012), Color (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827159	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827694	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827695	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827696	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Integrated Genetics/Laboratory Corporation of America (2018), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2018)
828673	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828674	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828675	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017)
829318	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829319	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Sharing Clinical Reports Project (SCR) (2014), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), GeneDx (2017)
829320	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827160	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCR) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Color (2018)
827161	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827162	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2012), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827697	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827698	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Department of Pathology and Laboratory Medicine, Sinai Health System (2017)
827699	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828345	BRCA1	T	C	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	24884479, 25741868, 25741868, 25741868, Sharing Clinical Reports Project (SCR) (2013), Michigan Medical Genetics Laboratories, University of Michigan (2016), A.C.Camargo Cancer Center / LGBM, A.C.Camargo Cancer Center (2017), Department of Medical Genetics, Oslo University Hospital (2017), Mendelics (2018)
828346	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828347	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828676	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828677	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828678	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829321	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829322	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829323	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2018)
827163	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2015), GeneDx (2015), Michigan Medical Genetics Laboratories, University of Michigan (2016)
827164	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827165	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017)
827700	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827701	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827702	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
828348	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828349	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCR) (2013), Invitae (2013), Ambry Genetics (2015), Department of Medical Genetics, Oslo University Hospital (2017), Integrated Genetics/Laboratory Corporation of America (2018)
828350	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828679	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCR) (2013), Ambry Genetics (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Integrated Genetics/Laboratory Corporation of America (2018)
828680	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828681	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827166	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCR) (2012), GeneDx (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Division Human Genetics, Medical University Innsbruck (2015)
827167	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), GeneDx (2018)
827168	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCR) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2016)
829324	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	10433620, 12065746, 25741868, 25741868, 25741868, 26467025, 28492532, OMIM (2011), Ambry Genetics (2014), Michigan Medical Genetics Laboratories, University of Michigan (2016), Integrated Genetics/Laboratory Corporation of America (2018), Genome Diagnostics Laboratory, University Medical Center Utrecht (2018)
829325	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2019)
829326	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827703	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827704	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
827705	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
828682	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828683	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828684	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827169	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2018)
827170	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827171	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Medical Genetics, Oslo University Hospital (2017), Ambry Genetics (2017)
828351	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828352	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Mendelics (2018)
828353	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829327	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829328	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829329	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827706	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827707	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827708	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828685	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828686	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
828687	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017)
827172	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827173	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCR) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017), GeneDx (2018)
827174	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCR) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2016)
828354	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Laboratory of Molecular Diagnosis of Cancer, West China Hospital, Sichuan University (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828355	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828356	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
829330	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2019)
829331	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829332	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
827709	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Genome Diagnostics Laboratory, University Medical Center Utrecht (2018), GeneKor MSA (2018), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018), DNA and Cytogenetics Diagnostics Unit, Erasmus Medical Center (2018)
827710	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Pathology and Molecular Medicine, Queen's University (2017), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018)
828688	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828689	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828690	BRCA1	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827175	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Counsyl (2017), GeneDx (2018)
827176	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 26467025, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), GeneDx (2015), Department of Medical Genetics, Oslo University Hospital (2017), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019)
827177	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Ambry Genetics (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2016)
828357	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828358	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828359	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829333	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829334	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829335	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827711	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827712	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827713	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828691	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828692	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828693	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Department of Medical Genetics, Oslo University Hospital (2017)
828360	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828361	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828362	BRCA1	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827178	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCR) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017)
827179	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), GeneDx (2015), Fulgent Genetics, Fulgent Genetics (2017), Fulgent Genetics, Fulgent Genetics (2017), Department of Medical Genetics, Oslo University Hospital (2017)
827180	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827714	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827715	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
827716	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
829336	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
829337	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829338	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Department of Medical Genetics, Oslo University Hospital (2017), GeneDx (2017)
828694	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828695	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Invitae (2013), Ambry Genetics (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Medical Genetics, Oslo University Hospital (2017), Mendelics (2018)
828696	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Department of Pathology and Laboratory Medicine, Sinai Health System (2017)
828363	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2016), Ambry Genetics (2016), GeneDx (2017), GeneKor MSA (2018), Counsyl (2018)
828364	BRCA1	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828365	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2013), Sharing Clinical Reports Project (SCRP) (2014), Michigan Medical Genetics Laboratories, University of Michigan (2016), GeneDx (2017), Foulkes Cancer Genetics LDI, Lady Davis Institute for Medical Research (2018)
827181	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Baylor Genetics (2017)
827182	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Genetic Services Laboratory, University of Chicago (2015), GeneDx (2015)
827183	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
827717	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827718	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827719	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRP) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Medical Genetics, Oslo University Hospital (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828366	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828367	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Pathology and Laboratory Medicine, Sinai Health System (2017)
828368	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Laboratory of Molecular Diagnosis of Cancer, West China Hospital, Sichuan University (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828697	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Genome Diagnostics Laboratory, University Medical Center Utrecht (2018), DNA and Cytogenetics Diagnostics Unit, Erasmus Medical Center (2018)
828698	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017)
829339	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Invitae (2018)
829340	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829341	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Ambry Genetics (2015), GeneDx (2015), Invitae (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2019), Integrated Genetics/Laboratory Corporation of America (2019)
827184	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
827185	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2012), CSER_CC_NCGL; University of Washington Medical Center (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Invitae (2018)
827186	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Baylor Genetics (2017)
827720	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Sharing Clinical Reports Project (SCRP) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017)
827721	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827722	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambr Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017)
828369	BRCA1	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828370	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828371	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828699	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Ambr Genetics (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2016)
828700	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828701	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827187	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827188	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambr Genetics (2017), GeneDx (2017)
827189	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambr Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829342	BRCA1	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambr Genetics (2017)
829343	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2018)
829344	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827723	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
827724	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827725	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Integrated Genetics/Laboratory Corporation of America (2017), GeneDx (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828702	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828703	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828704	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Invitae (2013), Ambry Genetics (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Integrated Genetics/Laboratory Corporation of America (2018)
827190	BRCA2	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), GeneDx (2017)
827191	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2012), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Integrated Genetics/Laboratory Corporation of America (2018), Invitae (2018)
827192	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), GeneDx (2015), Department of Medical Genetics, Oslo University Hospital (2017)
828372	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828373	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Invitae (2013), Vantari Genetics (2016), Integrated Genetics/Laboratory Corporation of America (2018), GeneDx (2018), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019)
828374	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829345	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829346	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829347	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827726	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827727	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Mendelics (2018)
827728	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828705	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828706	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828707	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829348	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829349	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829350	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827193	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
827194	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017)
827195	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Fulgent Genetics, Fulgent Genetics (2017)
828375	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828376	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2017), Mendelics (2018)
828377	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827729	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2018)
827730	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827731	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
827196	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827197	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2014), GeneDx (2015), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827198	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2016)
828708	BRCA1	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Integrated Genetics/Laboratory Corporation of America (2018), Fulgent Genetics, Fulgent Genetics (2019)
828709	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828710	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRP) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2019)
827732	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827733	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25637381, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827734	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Invitae (2013), Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
829351	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Sharing Clinical Reports Project (SCRP) (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2018), Invitae (2019)
829352	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829353	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Mendelics (2018)
828711	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828712	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828713	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), EGL Genetic Diagnostics,Eurofins Clinical Diagnostics (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2019)
828378	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828379	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Michigan Medical Genetics Laboratories,University of Michigan (2016), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828380	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827199	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Research Molecular Genetics Laboratory,Women's College Hospital, University of Toronto (2017)
827200	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory,Women's College Hospital, University of Toronto (2017)
827735	BRCA2	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory,Women's College Hospital, University of Toronto (2017)
827736	BRCA2	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
827737	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2018), Diagnostic Laboratory, Department of Genetics,University Medical Center Groningen (2018), Integrated Genetics/Laboratory Corporation of America (2019)
828714	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828715	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828716	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory,Women's College Hospital, University of Toronto (2017)
827201	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneKor MSA (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827202	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Counsyl (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827203	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Ambry Genetics (2017), Fulgent Genetics, Fulgent Genetics (2019)
828381	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828382	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), GeneKor MSA (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828383	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), GeneDx (2017)
829354	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829355	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829356	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2018)
827738	BRCA2	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 28492532, Invitae (2013), Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016)
827739	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827740	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827204	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	12065746, 25741868, 25741868, 26467025, 28492532, OMIM (2011), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Baylor Genetics (2017)
827205	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Ambry Genetics (2017), GeneDx (2017)
827206	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017)
828717	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828718	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2018)
828719	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Department of Medical Genetics, Oslo University Hospital (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828384	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Division Human Genetics, Medical University Innsbruck (2015), GeneDx (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Ambry Genetics (2017), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018)
828385	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828386	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829357	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829358	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829359	BRCA1	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Integrated Genetics/Laboratory Corporation of America (2018)
827741	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Department of Pathology and Laboratory Medicine, Sinai Health System (2017)
827742	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Division Human Genetics, Medical University Innsbruck (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827743	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Pathology and Laboratory Medicine, Sinai Health System (2017)
828720	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Ambry Genetics (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
828721	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828722	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827207	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRIP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827208	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2013), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827209	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828387	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828388	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2017), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
828389	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827744	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827745	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827746	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828723	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828724	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828725	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829360	BRCA1	T	C	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneKor MSA (2016), Ambry Genetics (2017), Department of Pathology and Laboratory Medicine, Sinai Health System (2017)
829361	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Department of Medical Genetics, Oslo University Hospital (2017)
829362	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827210	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827211	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
827212	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828726	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828727	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Fulgent Genetics, Fulgent Genetics (2019)
828728	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828390	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828391	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
828392	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827747	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Genologica Medica (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827748	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Mendelics (2018)
827749	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Genologica Medica (2017)
827213	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827214	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829363	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829364	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829365	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827750	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Invitae (2013), Sharing Clinical Reports Project (SCR) (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Integrated Genetics/Laboratory Corporation of America (2018)
827751	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827752	BRCA2	T	C	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, GeneDx (2015), Sharing Clinical Reports Project (SCR) (2016), Ambry Genetics (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019)
828729	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828730	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, 26845104, 28492532, Sharing Clinical Reports Project (SCR) (2013), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), GeneKor MSA (2016), Integrated Genetics/Laboratory Corporation of America (2018)
828731	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827215	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827216	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 26467025, Sharing Clinical Reports Project (SCR) (2012), Ambry Genetics (2015), GeneDx (2015), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2015), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
827217	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Michigan Medical Genetics Laboratories, University of Michigan (2016), Ambry Genetics (2017), GeneDx (2018)
828393	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828394	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCR) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Integrated Genetics/Laboratory Corporation of America (2018)
828395	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCR) (2013), Invitae (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneKor MSA (2018)
829366	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829367	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829368	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827753	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827754	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827755	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828732	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828733	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828734	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827218	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827219	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Baylor Genetics (2017), Department of Medical Genetics, Oslo University Hospital (2017), GeneDx (2017)
827220	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017)
828396	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Michigan Medical Genetics Laboratories, University of Michigan (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828397	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828398	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829369	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26845104, Breast Cancer Information Core (BIC) (BRCA1) (2014), University of Washington Department of Laboratory Medicine, University of Washington (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Integrated Genetics/Laboratory Corporation of America (2018)
829370	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829371	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Mendelics (2018)
827756	BRCA2	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2015), Color (2018)
827757	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018), DNA and Cytogenetics Diagnostics Unit, Erasmus Medical Center (2018)
827758	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2017), Color (2019)
828735	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Michigan Medical Genetics Laboratories, University of Michigan (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828736	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828737	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829372	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829373	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
829374	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827221	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCRIP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827222	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRIP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827223	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRIP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828399	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
828400	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828401	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827759	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2017)
827760	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827761	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828738	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828739	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
828740	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
829375	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829376	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829377	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827224	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Color (2016)
827225	BRCA2	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, 28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Fulgent Genetics, Fulgent Genetics (2017), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), GeneDx (2017)
827226	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017), Invitae (2019)
827762	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), GeneDx (2018)
827763	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827764	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Sharing Clinical Reports Project (SCRP) (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
828741	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828742	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828743	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828402	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828403	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Department of Medical Genetics, Oslo University Hospital (2017)
828404	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
829378	BRCA1	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829379	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829380	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
827227	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), GeneDx (2017)
827228	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827229	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), GeneDx (2016), Laboratory of Molecular Diagnosis of Cancer, West China Hospital, Sichuan University (2016)
828744	BRCA1	T	C	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
828745	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828746	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829381	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829382	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2018), Invitae (2019)
829383	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827765	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2018)
827766	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827767	BRCA2	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2013), Ambry Genetics (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Counsyl (2018), GeneKor MSA (2018)
828405	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828406	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828407	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827230	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2015), GeneDx (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827231	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
827232	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2018)
827768	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827769	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827770	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828747	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828748	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828749	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829384	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Michigan Medical Genetics Laboratories, University of Michigan (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829385	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829386	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
827233	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827234	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRIP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827235	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCRIP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828408	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828409	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Michigan Medical Genetics Laboratories, University of Michigan (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828410	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRIP) (2013), Counsyl (2014), Integrated Genetics/Laboratory Corporation of America (2018), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018), Genome Diagnostics Laboratory, University Medical Center Utrecht (2018)
827771	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRIP) (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827772	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827773	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828750	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), GeneDx (2017)
828751	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Color (2018)
828752	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829387	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829388	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829389	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828411	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828412	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Department of Medical Genetics, Oslo University Hospital (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828413	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827236	BRCA2	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827237	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCR) (2012), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Cancer Genetics and Genomics Laboratory, British Columbia Cancer Agency (2017)
827238	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCR) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Ambry Genetics (2017)
827774	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827775	BRCA2	T	C	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017), GeneDx (2017), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
827776	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828753	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
828754	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828755	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCR) (2013), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), GeneKor MSA (2018)
829390	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Foulkes Cancer Genetics LDI, Lady Davis Institute for Medical Research (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
829391	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829392	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828414	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828415	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828416	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Color (2018)
827239	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
827240	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018)
827241	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2016), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2016), PreventionGenetics, PreventionGenetics (2018)
827777	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827778	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Counsyl (2015), Integrated Genetics/Laboratory Corporation of America (2017), Ambry Genetics (2017), Genome Diagnostics Laboratory, University Medical Center Utrecht (2018), Mendelics (2018)
827779	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828756	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828757	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828758	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829393	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829394	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
829395	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828417	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828418	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Invitae (2013), Sharing Clinical Reports Project (SCR) (2014), Ambry Genetics (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Integrated Genetics/Laboratory Corporation of America (2019)
828419	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827780	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827781	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827782	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827242	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), GeneDx (2017)
827244	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827245	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Fulgent Genetics, Fulgent Genetics (2017), Fulgent Genetics, Fulgent Genetics (2017), Department of Medical Genetics, Oslo University Hospital (2017), Fulgent Genetics, Fulgent Genetics (2019)
828420	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828421	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828422	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828759	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828760	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828761	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, 29116469, 29907814, Sharing Clinical Reports Project (SCRP) (2013), Division Human Genetics, Medical University Innsbruck (2015), Counsyl (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Integrated Genetics/Laboratory Corporation of America (2018)
829396	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829397	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829398	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827246	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), GeneDx (2016), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Ambry Genetics (2017), Invitae (2017)
827247	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2016), Genetic Services Laboratory, University of Chicago (2017)
827248	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), GeneDx (2017)
827783	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827784	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneKor MSA (2018)
827785	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828423	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	23469205, 25741868, Ambry Genetics (2015), GeneDx (2015), A.C.Camargo Cancer Center / LGBM, A.C.Camargo Cancer Center (2017), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018), Mendelics (2018)
828424	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
828425	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828762	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828763	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019), Integrated Genetics/Laboratory Corporation of America (2019)
828764	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829399	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
829400	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829401	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
827786	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827787	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Counsyl (2017), Department of Medical Genetics, Oslo University Hospital (2017)
827788	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827249	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, 26845104, 28492532, GeneDx (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Invitae (2016), University of Washington Department of Laboratory Medicine, University of Washington (2016)
827250	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Department of Medical Genetics, Oslo University Hospital (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Invitae (2018)
827251	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Biesecker Lab/Clinical Genomics Section, National Institutes of Health (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Sharing Clinical Reports Project (SCRP) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828426	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Department of Medical Genetics, Oslo University Hospital (2017), Foulkes Cancer Genetics LDI, Lady Davis Institute for Medical Research (2018), Fulgent Genetics, Fulgent Genetics (2019)
828427	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828428	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828765	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Medical Genetics, Oslo University Hospital (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
828766	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828767	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRP) (2013), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2018), Color (2018)
827252	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambr Genetics (2017), GeneDx (2017)
827253	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827254	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2019)
829402	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2018)
829403	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829404	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambr Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2018)
827789	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827790	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827791	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Ambr Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2018)
828429	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828430	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Invitae (2013), Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambr Genetics (2017), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
828431	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828768	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), German Consortium for Hereditary Breast and Ovarian Cancer Center Cologne, University Hospital Cologne (2019)
828769	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCR) (2013), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2018)
828770	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827792	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2018)
827793	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), GeneDx (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827794	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	24884479, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), A.C.Camargo Cancer Center / LGBM, A.C.Camargo Cancer Center (2017)
827255	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, Ambry Genetics (2016), Integrated Genetics/Laboratory Corporation of America (2018), GeneDx (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019), Fulgent Genetics, Fulgent Genetics (2019)
827256	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827257	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829405	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Integrated Genetics/Laboratory Corporation of America (2018)
829406	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829407	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828771	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828772	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017)
828773	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827258	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneKor MSA (2016), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019)
827259	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Invitae (2013), GeneDx (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Ambry Genetics (2016), Integrated Genetics/Laboratory Corporation of America (2018)
827260	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneKor MSA (2018)
827795	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827796	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827797	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828774	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828775	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828776	BRCA1	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	24884479, A.C.Camargo Cancer Center / LGBM, A.C.Camargo Cancer Center (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828432	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828433	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828434	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829408	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829409	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829410	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827261	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827262	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Sharing Clinical Reports Project (SCRIP) (2013), Invitae (2013), Ambry Genetics (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Integrated Genetics/Laboratory Corporation of America (2018)
827263	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2019)
827798	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827799	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017)
827800	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), GeneDx (2017)
828777	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2019), Color (2019)
828778	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828779	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Department of Pathology and Laboratory Medicine, Sinai Health System (2017)
828435	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828436	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828437	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829411	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829412	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829413	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Color (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827264	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), GeneDx (2018)
827265	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Invitae (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), GeneDx (2017)
827266	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827801	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827802	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827803	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828780	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828781	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828782	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828438	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828439	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
828440	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827267	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Invitae (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827268	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2018), PreventionGenetics, PreventionGenetics (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827269	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Genome Diagnostics Laboratory, University Medical Center Utrecht (2018), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018), DNA and Cytogenetics Diagnostics Unit, Erasmus Medical Center (2018)
829414	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Invitae (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
829415	BRCA1	T	C	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Invitae (2017), GeneDx (2017)
829416	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827804	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827805	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827806	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828783	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2013), Ambry Genetics (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2019)
828784	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCR) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Color (2017)
828785	BRCA1	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), Color (2019)
827270	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827271	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827272	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828441	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828442	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828443	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829417	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829418	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829419	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2018)
827807	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827808	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Counsyl (2017), GeneDx (2017), Invitae (2019)
827809	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827273	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827274	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Integrated Genetics/Laboratory Corporation of America (2019)
827275	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Mendelics (2018), Color (2018)
828786	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2016), Fulgent Genetics, Fulgent Genetics (2017), Mendelics (2018)
828787	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828788	BRCA1	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829420	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829421	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2019)
829422	BRCA1	C	XNX	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828444	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828445	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
828446	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827810	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827811	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Division Human Genetics, Medical University Innsbruck (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827812	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Ambr Genetics (2016), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
827276	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827277	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827278	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828447	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828448	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828449	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828789	BRCA1	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828790	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Ambr Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2018)
828791	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829423	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829424	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829425	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
827279	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827280	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Cansyl (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneKor MSA (2016)
827281	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827813	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, 28492532, GeneDx (2013), Invitae (2013), Ambry Genetics (2014), Cansyl (2018), Integrated Genetics/Laboratory Corporation of America (2018)
827814	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2019)
827815	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828450	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2018)
828451	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828452	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Laboratory of Molecular Diagnosis of Cancer, West China Hospital, Sichuan University (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828792	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828793	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828794	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829426	BRCA1	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829427	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2018)
829428	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827282	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827283	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Quest Diagnostics Nichols Institute San Juan Capistrano (2016), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827284	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827816	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827817	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827818	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828453	BRCA1	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Department of Medical Genetics, Oslo University Hospital (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828454	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCR) (2013), Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Institute for Biomarker Research, Medical Diagnostic Laboratories, L.L.C. (2018)
828455	BRCA1	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828795	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Foulkes Cancer Genetics LD, Lady Davis Institute for Medical Research (2018)
828796	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
828797	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	23469205, 25741868, A.C.Camargo Cancer Center / LGBM, A.C.Camargo Cancer Center (2017), Mendelics (2018), Color (2019)
827285	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCR) (2013), GeneDx (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Ambry Genetics (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
827286	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827287	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, Sharing Clinical Reports Project (SCR) (2013), Ambry Genetics (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), GeneDx (2016), Fulgent Genetics, Fulgent Genetics (2019)
829429	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCR) (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
829430	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829431	BRCA1	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016)
827819	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Color (2019)
827820	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827821	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828456	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828457	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
828798	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828799	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828800	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827288	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneKor MSA (2016), Color (2019)
827289	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), GeneDx (2018)
827290	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), GeneDx (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829432	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Integrated Genetics/Laboratory Corporation of America (2019)
829433	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
829434	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
827822	BRCA2	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017), Department of Pathology and Laboratory Medicine,Sinai Health System (2017), Color (2019)
827823	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Laboratory for Molecular Medicine,Partners HealthCare Personalized Medicine (2016), Ambry Genetics (2017), GeneDx (2017)
827824	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828458	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017), Ambry Genetics (2017), Invitae (2018)
828459	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828460	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory,Women's College Hospital, University of Toronto (2017), 3DMed Clinical Laboratory Inc (2018)
828801	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828802	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory,Women's College Hospital, University of Toronto (2017)
828803	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827291	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827292	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827293	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCR) (2013), Counsyl (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Fulgent Genetics,Fulgent Genetics (2017), Department of Medical Genetics,Oslo University Hospital (2017)
828461	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), GeneDx (2017), Research Molecular Genetics Laboratory,Women's College Hospital, University of Toronto (2017)
828462	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828463	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018)
829435	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Invitae (2017)
829436	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829437	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827825	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827826	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827827	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), GeneDx (2018)
828804	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828805	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneKor MSA (2018)
828806	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, Counsyl (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Integrated Genetics/Laboratory Corporation of America (2018), Fulgent Genetics,Fulgent Genetics (2019)
829438	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829439	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory,Women's College Hospital, University of Toronto (2017)
829440	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827294	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2018)
827295	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCR) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Laboratory for Molecular Medicine,Partners HealthCare Personalized Medicine (2017), Invitae (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827296	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), GeneDx (2018)
828807	BRCA1	T	C	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRIP) (2013), Invitae (2013), Ambry Genetics (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2016)
828808	BRCA1	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneKor MSA (2018), German Consortium for Hereditary Breast and Ovarian Cancer Center Cologne, University Hospital Cologne (2019)
828809	BRCA1	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Foulkes Cancer Genetics LDI, Lady Davis Institute for Medical Research (2018)
828464	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828465	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828466	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827828	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2018)
827829	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2018)
827830	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829441	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829442	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Department of Pathology and Laboratory Medicine, Sinai Health System (2017)
829443	BRCA1	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
827297	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2019)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
827298	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827299	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017), Foulkes Cancer Genetics LDI, Lady Davis Institute for Medical Research (2018)
828810	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Color (2019)
828811	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRIP) (2013), Pathway Genomics (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2017)
828812	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
827831	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2013), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Sharing Clinical Reports Project (SCRIP) (2016), Ambry Genetics (2017), GeneDx (2017)
827832	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827833	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828467	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828468	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), German Consortium for Hereditary Breast and Ovarian Cancer Center Cologne, University Hospital Cologne (2019)
828469	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829444	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829445	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829446	BRCA1	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Integrated Genetics/Laboratory Corporation of America (2018)
828813	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2019), German Consortium for Hereditary Breast and Ovarian Cancer Center Cologne, University Hospital Cologne (2019)
828814	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828815	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
827834	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827835	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827836	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828470	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828471	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828472	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827300	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827301	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827302	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829447	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829448	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017)
829449	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
827837	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRP) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2018)
827838	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
827839	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828473	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828474	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828475	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828816	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Michigan Medical Genetics Laboratories, University of Michigan (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017)
828817	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827303	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827304	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827305	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829450	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829451	BRCA1	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829452	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827306	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827307	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827308	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827840	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827841	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827842	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828476	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Foulkes Cancer Genetics LDI, Lady Davis Institute for Medical Research (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828477	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Department of Pathology and Molecular Medicine, Queen's University (2017)
828818	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828819	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828820	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Baylor Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2018)
827309	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827310	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017)
827311	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Invitae (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828478	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828479	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), GeneDx (2017)
828480	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Ambry Genetics (2017)
829453	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Invitae (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829454	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Counsyl (2017), Ambry Genetics (2017), Invitae (2017), Integrated Genetics/Laboratory Corporation of America (2018)
829455	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
827843	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2016), Ambry Genetics (2017), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
827844	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827845	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), GeneDx (2018), Color (2018), GeneKor MSA (2018), Integrated Genetics/Laboratory Corporation of America (2019)
828821	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Ambry Genetics (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2018)
828822	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCR) (2013), Invitae (2013), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), GeneDx (2017)
828823	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829456	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829457	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Invitae (2019)
829458	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
827312	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827313	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Sharing Clinical Reports Project (SCR) (2013), Invitae (2013), Ambry Genetics (2014), Integrated Genetics/Laboratory Corporation of America (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
827314	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828481	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828482	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828483	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827846	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827847	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827848	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828824	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828825	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Department of Pathology and Laboratory Medicine,Sinai Health System (2017)
828826	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829459	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829460	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829461	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Developmental Genetics Unit,King Faisal Specialist Hospital & Research Centre (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827315	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827316	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827317	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827849	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827850	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2018), Integrated Genetics/Laboratory Corporation of America (2019)
827851	BRCA2	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Ambry Genetics (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017), Genome Diagnostics Laboratory,University Medical Center Utrecht (2018)
828484	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2013), Sharing Clinical Reports Project (SCR) (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), Department of Medical Genetics,Oslo University Hospital (2017)
828485	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828486	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Integrated Genetics/Laboratory Corporation of America (2019), Color (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827318	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827319	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827320	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Medical Genetics, Oslo University Hospital (2017), Ambry Genetics (2017)
828827	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828828	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRIP) (2013), GeneDx (2013), Ambry Genetics (2014), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2018)
828829	BRCA1	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829462	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
829463	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Invitae (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829464	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Invitae (2014), Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Medical Genetics, Oslo University Hospital (2017)
827321	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827322	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827323	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
827852	BRCA2	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Counsyl (2017), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2018)
827853	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRIP) (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
827854	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
829465	BRCA1	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829466	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Faculty of Pharmacy, Ain Shams University (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829467	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2014), Invitae (2017), GeneDx (2018), Integrated Genetics/Laboratory Corporation of America (2019)
828487	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
828488	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, 7894493, OMIM (2011), Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828489	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829627	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829628	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829629	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), German Consortium for Hereditary Breast and Ovarian Cancer Center Cologne, University Hospital Cologne (2019)
827855	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Sharing Clinical Reports Project (SCR) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
827856	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
827857	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828830	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Sharing Clinical Reports Project (SCR) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828831	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828832	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829468	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829469	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
829470	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828490	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828491	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2018)
828492	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), GeneDx (2018)
829630	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Pathology and Laboratory Medicine,Sinai Health System (2017)
829631	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2016)
829632	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827858	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Counsyl (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
827859	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827860	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828833	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory,Women's College Hospital, University of Toronto (2017)
828834	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828835	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	24884479, Breast Cancer Information Core (BIC) (BRCA1) (2014), Sharing Clinical Reports Project (SCRP) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), A.C.Camargo Cancer Center / LGBM, A.C.Camargo Cancer Center (2017)
829471	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017), Invitae (2018)
829472	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
829473	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2014), Invitae (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), German Consortium for Hereditary Breast and Ovarian Cancer Center Cologne, University Hospital Cologne (2019)
829633	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829634	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Foulkes Cancer Genetics LD1, Lady Davis Institute for Medical Research (2018)
829635	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828836	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
828837	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828838	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Department of Medical Genetics, Oslo University Hospital (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828493	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 28492532, Invitae (2013), Sharing Clinical Reports Project (SCRP) (2014), Michigan Medical Genetics Laboratories, University of Michigan (2016), Ambry Genetics (2016), GeneDx (2016)
828494	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2014), GeneDx (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2018)
828495	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827861	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827862	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
827863	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829475	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017), Invitae (2017), Integrated Genetics/Laboratory Corporation of America (2019)
829476	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
829477	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2018)
829636	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829637	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017)
829638	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Pathology and Laboratory Medicine,Sinai Health System (2017)
828839	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Michigan Medical Genetics Laboratories,University of Michigan (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2018)
828840	BRCA1	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2016)
828841	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828496	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828497	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Invitae (2013), GeneDx (2016), Mendelics (2018), Integrated Genetics/Laboratory Corporation of America (2019)
828498	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827864	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827865	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory,Women's College Hospital, University of Toronto (2017)
827866	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, 28492532, Michigan Medical Genetics Laboratories,University of Michigan (2016), Counsyl (2017), Department of Medical Genetics,Oslo University Hospital (2017), Integrated Genetics/Laboratory Corporation of America (2018), Mendelics (2018)
829478	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2018)
829479	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829480	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory,Women's College Hospital, University of Toronto (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
829639	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829640	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829641	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Integrated Genetics/Laboratory Corporation of America (2018)
828842	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
828843	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828844	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828947	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828948	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
828949	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827867	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827868	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827869	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829481	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829482	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829483	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828950	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828951	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828952	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, 7894491, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829642	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829643	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829644	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Color (2018)
828845	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828846	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828847	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827870	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2018)
827871	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017)
828499	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828500	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828501	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829645	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2018)
829646	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
829647	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828848	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828849	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828850	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827872	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2017)
827874	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827875	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017), Color (2019)
829484	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), GeneDx (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829485	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Integrated Genetics/Laboratory Corporation of America (2018)
829486	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828502	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828503	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828504	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829648	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Counsyl (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Baylor Genetics (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829649	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, EGL Genetic Diagnostics, Eurofins Clinical Diagnostics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2018)
829650	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Curoverse (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828851	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828852	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
828853	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827876	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Color (2019)
827877	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Invitae (2013), Sharing Clinical Reports Project (SCRIP) (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), GeneDx (2016)
827878	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2018), GeneDx (2018)
829651	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25472942, 25472942, University of Washington Center for Mendelian Genomics, University of Washington (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), OMIM (2018), OMIM (2018)
829652	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
829653	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829487	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829488	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Integrated Genetics/Laboratory Corporation of America (2018), GeneDx (2018)
829489	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828505	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
828506	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828507	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828854	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018)
828855	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828856	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829490	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829491	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829492	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Department of Pathology and Laboratory Medicine, Sinai Health System (2017)
827879	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827880	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827881	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829654	BRCA2	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
829655	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829656	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828508	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828509	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828510	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2018)
828857	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828858	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Color (2018)
828859	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2016)
829493	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829494	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Color (2018)
829495	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Ambry Genetics (2014), Michigan Medical Genetics Laboratories, University of Michigan (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827882	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827883	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2018), Color (2019)
827884	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829657	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2015), Sharing Clinical Reports Project (SCR) (2016), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Counsyl (2017)
829658	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017)
829659	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
828860	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), Mendelics (2018), Cancer Variant Interpretation Group UK, Institute of Cancer Research, London (2019)
828861	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828862	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
828511	BRCA1	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, Sharing Clinical Reports Project (SCR) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Pathway Genomics (2015), Counsyl (2017), Department of Medical Genetics, Oslo University Hospital (2017)
828512	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), GeneKor MSA (2016), Ambry Genetics (2017)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
828513	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829496	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), GeneDx (2018)
829497	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829498	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827885	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827886	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Sharing Clinical Reports Project (SCR) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827887	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829660	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829661	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829662	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829499	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017), GeneDx (2017)
829500	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829501	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Invitae (2018)
828514	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828515	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828516	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828863	BRCA1	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828864	BRCA1	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, 28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Counsyl (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Department of Pathology and Laboratory Medicine, Sinai Health System (2017)
828865	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRIP) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Counsyl (2017), GeneKor MSA (2018)
827888	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827889	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2019)
827890	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829663	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829664	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017)
829665	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828866	BRCA1	T	C	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, GeneDx (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Pathology and Laboratory Medicine, Sinai Health System (2017)
828867	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828868	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2016), Color (2019)
829502	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829503	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829504	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2019)
827891	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
827892	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827893	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829666	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017)
829667	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
829668	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Counsyl (2017), GeneDx (2017)
828517	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828518	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828519	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828869	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828870	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828871	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
827894	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827895	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827896	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829505	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829506	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829507	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829669	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
829670	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
829671	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
828520	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828521	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), GeneDx (2018)
828522	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828872	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), GeneKor MSA (2016), Sharing Clinical Reports Project (SCRIP) (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828873	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828874	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Medical Genetics, Oslo University Hospital (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827897	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827898	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827899	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829672	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829673	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Baylor Genetics (2017), Color (2018), GeneDx (2018)
829674	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829508	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2019)
829509	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829510	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828875	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Department of Pathology and Laboratory Medicine, Sinai Health System (2017)
828876	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Fulgent Genetics, Fulgent Genetics (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Color (2018)
828523	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneKor MSA (2018)
828524	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828525	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
827900	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827901	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827902	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828526	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828527	BRCA1	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
828528	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829675	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Integrated Genetics/Laboratory Corporation of America (2018)
829676	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
829677	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2016)
829511	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
829512	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829513	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828877	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828878	BRCA1	T	C	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018), Genome Diagnostics Laboratory, University Medical Center Utrecht (2018)
828879	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827903	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Division Human Genetics, Medical University Innsbruck (2015), Sharing Clinical Reports Project (SCRIP) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
827904	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827905	BRCA2	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	11039575, 25741868, 25741868, OMIM (2011), Sharing Clinical Reports Project (SCRIP) (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Department of Medical Genetics, Oslo University Hospital (2017)
829514	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829515	BRCA1	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2019)
829516	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Ambry Genetics (2014), Laboratory of Molecular Diagnosis of Cancer, West China Hospital, Sichuan University (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2018), Invitae (2018)
828529	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828530	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828531	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828880	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Yang An-Suei Laboratory, Academia Sinica (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Counsyl (2018), GeneKor MSA (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828881	BRCA1	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Medical Genetics, Oslo University Hospital (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Department of Pathology and Laboratory Medicine, Sinai Health System (2017)
828882	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
827906	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Sharing Clinical Reports Project (SCRP) (2014), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Counsyl (2017)
827907	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827908	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829517	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829518	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829519	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Department of Medical Genetics, Oslo University Hospital (2017), Color (2018)
827973	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827974	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	12065746, 25741868, 25741868, 28492532, OMIM (2011), Ambry Genetics (2014), Ambry Genetics (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), PreventionGenetics, PreventionGenetics (2018)
827975	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828532	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2018)
828533	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Sharing Clinical Reports Project (SCRP) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), GeneDx (2017)
828534	BRCA1	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Counsyl (2018)
828883	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828884	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
828885	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Sharing Clinical Reports Project (SCR) (2014), Ambry Genetics (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Genologica Medica (2017)
829678	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829679	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2016)
829680	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827909	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017)
827910	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827911	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829520	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829521	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Ambry Genetics (2014), Integrated Genetics/Laboratory Corporation of America (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017)
829522	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828886	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCR) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828887	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	24884479, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), A.C.Camargo Cancer Center / LGBM, A.C.Camargo Cancer Center (2017), German Consortium for Hereditary Breast and Ovarian Cancer Center Cologne, University Hospital Cologne (2019)
828535	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Color (2019)
828536	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCR) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2014), GeneKor MSA (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
828537	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCR) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829523	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
829524	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Ambry Genetics (2017)
829525	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017)
827912	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Medical Genetics, Oslo University Hospital (2017), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018), DNA and Cytogenetics Diagnostics Unit, Erasmus Medical Center (2018)
827913	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827914	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	24033266, 26467025, 28492532, Invitae (2013), GeneDx (2016), Ambry Genetics (2017), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
829681	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	23469205, 25741868, 26467025, 28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), A.C.Camargo Cancer Center / LGBM, A.C.Camargo Cancer Center (2017), Baylor Genetics (2017), Department of Pathology and Laboratory Medicine, Sinai Health System (2017)
829682	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2016), Invitae (2016)
829683	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828888	BRCA1	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015)
828889	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828890	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829526	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Faculty of Pharmacy, Ain Shams University (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829527	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Faculty of Pharmacy, Ain Shams University (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829528	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Faculty of Pharmacy, Ain Shams University (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828538	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Division Human Genetics, Medical University Innsbruck (2015), Michigan Medical Genetics Laboratories, University of Michigan (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), German Consortium for Hereditary Breast and Ovarian Cancer Center Cologne, University Hospital Cologne (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828539	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Hereditary Cancer Genetics group, Vall d'Hebron Institute of Oncology (2019)
828540	BRCA1	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2015), Centro de Genética y Biología Molecular, Universidad de San Martín de Porres (2016)
827915	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Counsyl (2018)
827916	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827917	BRCA2	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Sharing Clinical Reports Project (SCR) (2014), GeneDx (2015)
829684	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2016)
829685	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829686	BRCA1	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
829529	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Faculty of Pharmacy, Ain Shams University (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829530	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, CSER_CC_NCGL; University of Washington Medical Center (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829531	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828541	BRCA1	T	C	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2018)
828542	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Sharing Clinical Reports Project (SCR) (2013), Ambry Genetics (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Foulkes Cancer Genetics LDI, Lady Davis Institute for Medical Research (2018)
828543	BRCA1	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827918	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827919	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827920	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, 26845104, 28492532, Ambry Genetics (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), GeneDx (2016), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828953	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Color (2019)
828954	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828955	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828891	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828892	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828893	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
829687	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2016)
829688	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25058500, 25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Genetic Predisposition to Colorectal Cancer Group, Institut d'Investigacions Biomediques August Pi i Sunyer (2016), Color (2018), Mendelics (2018)
829689	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828956	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Ambry Genetics (2017)
828957	BRCA1	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2016), Counsyl (2018)
828958	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Counsyl (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
829532	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Strand Center for Genomics and Personalized Medicine, Strand Life Sciences Pvt Ltd (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829533	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829534	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
827921	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827922	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2018)
827923	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Medical Genetics, Oslo University Hospital (2017), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017)
828544	BRCA1	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828545	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, GeneDx (2013), Invitae (2013), Ambry Genetics (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Integrated Genetics/Laboratory Corporation of America (2018)
828546	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	11781691, 25741868, 25741868, 25741868, 26467025, 28492532, 8644702, Breast Cancer Information Core (BIC) (BRCA1) (2014), Pathway Genomics (2014), GeneDx (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Department of Medical Genetics, Oslo University Hospital (2017)
828894	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828895	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Baylor Genetics (2017)
828896	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829690	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Laboratory of Molecular Diagnosis of Cancer, West China Hospital, Sichuan University (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829691	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Laboratory of Molecular Diagnosis of Cancer, West China Hospital, Sichuan University (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829692	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Laboratory of Molecular Diagnosis of Cancer, West China Hospital, Sichuan University (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829535	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2015), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2019)
829536	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
829537	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827924	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), GeneDx (2017), Mendelics (2018), Integrated Genetics/Laboratory Corporation of America (2019)
827925	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827926	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
828547	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2018)
828548	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Department of Medical Genetics, Oslo University Hospital (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Integrated Genetics/Laboratory Corporation of America (2018)
828549	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2016), Fulgent Genetics, Fulgent Genetics (2019)
828897	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2014), 3DMed Clinical Laboratory Inc (2018)
828898	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Breast Cancer Information Core (BIC) (BRCA1) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Counsyl (2018)
828899	BRCA1	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829538	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Color (2019)
829539	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829540	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829693	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Laboratory of Molecular Diagnosis of Cancer, West China Hospital, Sichuan University (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829694	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
829695	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Laboratory of Molecular Diagnosis of Cancer, West China Hospital, Sichuan University (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827927	BRCA2	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), GeneDx (2017)
827928	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
827929	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2013), Counsyl (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Ambry Genetics (2016), GeneDx (2017)
828550	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828551	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828552	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), GeneDx (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Integrated Genetics/Laboratory Corporation of America (2019)
828900	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Counsyl (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828901	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, 28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Sharing Clinical Reports Project (SCRP) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828902	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Invitae (2013), Sharing Clinical Reports Project (SCRP) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829541	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829542	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, GeneDx (2015), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneKor MSA (2018)
829543	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Division Human Genetics, Medical University Innsbruck (2015), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2017), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017)
827930	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827931	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Mendelics (2018)
827932	BRCA2	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2015), GeneDx (2016), Counsyl (2018), Integrated Genetics/Laboratory Corporation of America (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
829696	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
829697	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829698	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Laboratory of Molecular Diagnosis of Cancer, West China Hospital, Sichuan University (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828553	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828554	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828555	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828903	BRCA1	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828904	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Sharing Clinical Reports Project (SCR) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Integrated Genetics/Laboratory Corporation of America (2019)
828905	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018), DNA and Cytogenetics Diagnostics Unit, Erasmus Medical Center (2018)
829544	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2015), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829545	BRCA2	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, GeneDx (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Invitae (2019)
829546	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017), Mendelics (2018)
827933	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827934	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827935	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829699	BRCA1	T	C	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Laboratory of Molecular Diagnosis of Cancer, West China Hospital, Sichuan University (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829700	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Laboratory of Molecular Diagnosis of Cancer, West China Hospital, Sichuan University (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
829701	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828906	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	24033266, 25741868, 28492532, Sharing Clinical Reports Project (SCR) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Counsyl (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828907	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2019)
828908	BRCA1	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Department of Medical Genetics, Oslo University Hospital (2017)
828556	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828557	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), GeneKor MSA (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828558	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829547	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2015), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829548	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017)
829549	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827936	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827937	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Integrated Genetics/Laboratory Corporation of America (2018)
827938	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829702	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Laboratory of Molecular Diagnosis of Cancer, West China Hospital, Sichuan University (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829703	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Laboratory of Molecular Diagnosis of Cancer, West China Hospital, Sichuan University (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829704	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828909	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2014), GeneDx (2017)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
828910	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828911	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829550	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2017), Color (2018)
829551	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2019)
829552	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828559	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828560	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828561	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRIP) (2013), Michigan Medical Genetics Laboratories, University of Michigan (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Medical Genetics, Oslo University Hospital (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017)
827939	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827940	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827941	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829705	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829706	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Laboratory of Molecular Diagnosis of Cancer, West China Hospital, Sichuan University (2016), Invitae (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829707	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Laboratory of Molecular Diagnosis of Cancer, West China Hospital, Sichuan University (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828912	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828913	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCR) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Counsyl (2018)
828914	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2018)
829553	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829554	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829555	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828562	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828563	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828564	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827942	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Ambry Genetics (2016), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017), Integrated Genetics/Laboratory Corporation of America (2018)
827943	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827944	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828915	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018), DNA and Cytogenetics Diagnostics Unit, Erasmus Medical Center (2018)
828916	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828917	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), GeneDx (2018), Integrated Genetics/Laboratory Corporation of America (2019)
829708	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Laboratory of Molecular Diagnosis of Cancer, West China Hospital, Sichuan University (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
829709	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Laboratory of Molecular Diagnosis of Cancer, West China Hospital, Sichuan University (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017)
829710	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Laboratory of Molecular Diagnosis of Cancer, West China Hospital, Sichuan University (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829556	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829557	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Counsyl (2017), Invitae (2019)
829558	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828565	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828566	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCR) (2012), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2016), GeneDx (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017)
828567	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827945	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827946	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827947	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Counsyl (2017)
829711	BRCA2	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Laboratory of Molecular Diagnosis of Cancer, West China Hospital, Sichuan University (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Ambry Genetics (2016)
829712	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26845104, 28492532, University of Washington Department of Laboratory Medicine, University of Washington (2016), GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Invitae (2019)
829713	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26845104, University of Washington Department of Laboratory Medicine, University of Washington (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828918	BRCA1	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828919	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017), German Consortium for Hereditary Breast and Ovarian Cancer Center Cologne, University Hospital Cologne (2019)
828920	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Sharing Clinical Reports Project (SCR) (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Medical Genetics, Oslo University Hospital (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829559	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, GeneDx (2015), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
829560	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, GeneDx (2015), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Color (2018)
829561	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828568	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828569	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Color (2018)
828570	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827948	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018), Integrated Genetics/Laboratory Corporation of America (2019)
827949	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827950	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829714	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2016), Department of Pathology and Molecular Medicine, Queen's University (2017), Department of Pathology and Laboratory Medicine, Sinai Health System (2017)
829715	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Soonchunhyang University Bucheon Hospital, Soonchunhyang University Medical Center (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
829716	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Michigan Medical Genetics Laboratories, University of Michigan (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828921	BRCA1	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2017), ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018)
828922	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Integrated Genetics/Laboratory Corporation of America (2018)
828923	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829562	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Division Human Genetics, Medical University Innsbruck (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017), Ambry Genetics (2017)
829563	BRCA1	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Division Human Genetics, Medical University Innsbruck (2015), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829564	BRCA1	T	C	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Division Human Genetics, Medical University Innsbruck (2015), Invitae (2017), Ambry Genetics (2017), GeneDx (2017)
828924	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Pathology and Laboratory Medicine, Sinai Health System (2017)
828925	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828571	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828572	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRIP) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017)
828573	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Sharing Clinical Reports Project (SCRIP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827951	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827952	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827953	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829717	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Michigan Medical Genetics Laboratories, University of Michigan (2016), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Color (2019)
829718	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Michigan Medical Genetics Laboratories, University of Michigan (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Invitae (2018), Color (2019)
829719	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Michigan Medical Genetics Laboratories, University of Michigan (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2019)
829565	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Division Human Genetics, Medical University Innsbruck (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829566	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Division Human Genetics, Medical University Innsbruck (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829567	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Division Human Genetics, Medical University Innsbruck (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828574	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828575	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017)
828576	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	24884479, 25741868, 28492532, Sharing Clinical Reports Project (SCR) (2014), Ambry Genetics (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), A.C.Camargo Cancer Center / LGBM, A.C.Camargo Cancer Center (2017), Mendelics (2018)
828926	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCR) (2013), Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Medical Genetics, Oslo University Hospital (2017)
828927	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828928	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829720	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Michigan Medical Genetics Laboratories, University of Michigan (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
829721	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Michigan Medical Genetics Laboratories, University of Michigan (2016), Invitae (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829722	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Michigan Medical Genetics Laboratories, University of Michigan (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829568	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Division Human Genetics, Medical University Innsbruck (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2018)
829569	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829570	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828929	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828930	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2018), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018)
828931	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2015), GeneDx (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2017)
828577	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828578	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828579	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Integrated Genetics/Laboratory Corporation of America (2019), German Consortium for Hereditary Breast and Ovarian Cancer Center Cologne, University Hospital Cologne (2019)
829723	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Michigan Medical Genetics Laboratories, University of Michigan (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2017), Ambry Genetics (2017)
829724	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Michigan Medical Genetics Laboratories, University of Michigan (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829725	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Michigan Medical Genetics Laboratories, University of Michigan (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), 3DMed Clinical Laboratory Inc (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827954	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827955	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
827956	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829571	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829572	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2017)
829573	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Color (2018)
828932	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828933	BRCA1	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015)
828934	BRCA1	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2017)
829726	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Michigan Medical Genetics Laboratories, University of Michigan (2016), Ambry Genetics (2017)
829727	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829728	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2018)
828580	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Ambry Genetics (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017), Foulkes Cancer Genetics LDI, Lady Davis Institute for Medical Research (2018)
828581	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Counsyl (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), GeneDx (2017)
828582	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), GeneDx (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827957	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), GeneDx (2018)
827958	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRIP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
827959	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828935	BRCA1	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2017)
828936	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828937	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneKor MSA (2018)
829574	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Integrated Genetics/Laboratory Corporation of America (2018)
829575	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2015), Invitae (2017)
829576	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Invitae (2018)
829729	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2016), Invitae (2017), Integrated Genetics/Laboratory Corporation of America (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829730	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829731	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828583	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), GeneKor MSA (2018), Integrated Genetics/Laboratory Corporation of America (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
828584	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828585	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017)
827960	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827961	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Counsyl (2017), Ambry Genetics (2017)
827962	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Integrated Genetics/Laboratory Corporation of America (2018)
828938	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2018), Color (2019)
828939	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828940	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2018)
829577	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017)
829578	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2019)
829579	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828586	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828587	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828588	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Michigan Medical Genetics Laboratories, University of Michigan (2016), GeneKor MSA (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Counsyl (2017)
828589	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828590	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828959	BRCA1	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828960	BRCA1	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828961	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRIP) (2013), Color (2018)
829732	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829733	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Invitae (2019)
829734	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827963	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Color (2019)
827964	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827965	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829580	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829581	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829582	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828591	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828592	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Department of Medical Genetics, Oslo University Hospital (2017), Ambry Genetics (2017)
828593	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829992	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018)
829993	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
829994	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829735	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019), Invitae (2019)
829736	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829737	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827966	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827967	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), GeneDx (2016), Counsyl (2018)
827968	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829995	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Invitae (2018)
829996	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829997	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829738	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829739	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Invitae (2018)
829740	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Invitae (2019)
828594	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828595	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Color (2019)
828596	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
829583	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017)
829584	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
829585	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Ambry Genetics (2015), Department of Medical Genetics, Oslo University Hospital (2017)
827969	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Integrated Genetics/Laboratory Corporation of America (2019)
827970	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827971	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829998	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829999	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830000	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829741	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Invitae (2019)
829742	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829743	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828597	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2013), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Color (2018)
828598	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Counsyl (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017)
828599	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827972	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), GeneDx (2016), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019), Integrated Genetics/Laboratory Corporation of America (2019)
830366	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830367	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829586	BRCA1	T	C	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017)
829587	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Invitae (2018)
829588	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Integrated Genetics/Laboratory Corporation of America (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
830001	BRCA1	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830002	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830003	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829744	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Ambry Genetics (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829745	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCR) (2016), Ambry Genetics (2016), Invitae (2017), Color (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829746	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2018)
828600	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828601	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2016), GeneDx (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828602	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
830368	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
830369	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830370	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Integrated Genetics/Laboratory Corporation of America (2018)
829589	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), GeneDx (2017), Invitae (2019)
829590	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2018)
829591	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Department of Pathology and Laboratory Medicine, Sinai Health System (2017)
830004	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2018)
830005	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018)
830006	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828603	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828604	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRP) (2013), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Counsyl (2017), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
828605	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829747	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
829748	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829749	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
830371	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830372	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830373	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829592	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829593	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829594	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
830007	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830008	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830009	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829750	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2016), Invitae (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829751	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829752	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828606	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828607	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRIP) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828608	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
830374	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
830375	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830376	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829595	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2019)
829596	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829597	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
830010	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830011	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830012	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828609	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828610	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
828611	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829753	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829754	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCR) (2016), Ambry Genetics (2016), Invitae (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Gharavi Laboratory, Columbia University (2018)
829755	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
830377	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830378	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830379	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829598	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Ambry Genetics (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), GeneDx (2017), Invitae (2017)
829599	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), DNA and Cytogenetics Diagnostics Unit, Erasmus Medical Center (2018)
829600	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Color (2019)
830013	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830014	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830015	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828612	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828613	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828614	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
830380	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017), Integrated Genetics/Laboratory Corporation of America (2019)
830381	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830382	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829601	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2018)
829602	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829603	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830383	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
830384	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830385	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
830016	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830017	BRCA1	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
830018	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828615	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Division Human Genetics, Medical University Innsbruck (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828616	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828617	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829756	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, GeneDx (2015), Ambry Genetics (2016), Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Integrated Genetics/Laboratory Corporation of America (2019)
829757	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2016), Invitae (2016), Counsyl (2017)
829758	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829604	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829605	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2018)
829606	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
830386	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830387	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Pathology and Laboratory Medicine, Sinai Health System (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830388	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830019	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830020	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
830021	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Color (2019)
828618	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
830697	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017)
830698	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829607	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017), Department of Pathology and Laboratory Medicine, Sinai Health System (2017)
829608	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017), Invitae (2018)
829609	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Invitae (2018)
829759	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Color (2019)
829760	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829761	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
830699	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830700	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830701	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830389	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830390	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830391	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829610	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829611	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829612	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
829762	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Invitae (2017), Color (2018)
829763	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829764	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
830392	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830393	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830394	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830702	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830703	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830704	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830022	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830023	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830024	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830395	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830396	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830397	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019), Color (2019)
829613	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2018)
829614	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829615	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
830025	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneKor MSA (2018), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018), Invitae (2018)
830026	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
830027	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829765	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2016), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2018)
829766	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829767	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
830705	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830706	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830707	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830398	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830399	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830400	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830028	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830029	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830030	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018), DNA and Cytogenetics Diagnostics Unit, Erasmus Medical Center (2018)
829616	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829617	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829618	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829768	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017), Integrated Genetics/Laboratory Corporation of America (2019)
829769	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829770	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Ambry Genetics (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Invitae (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), GeneDx (2018)
830401	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830402	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830403	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830031	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Counsyl (2017)
830032	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830033	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830708	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830709	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Fulgent Genetics,Fulgent Genetics (2019)
830710	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829619	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829620	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829621	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Ambry Genetics (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Color (2018)
829771	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829772	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829773	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
830404	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830405	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830406	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830711	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830712	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830713	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830034	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830035	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830036	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829622	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, GeneDx (2015), Ambry Genetics (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Invitae (2017), Integrated Genetics/Laboratory Corporation of America (2019)
829623	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829624	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
830714	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2018), Foulkes Cancer Genetics LDI, Lady Davis Institute for Medical Research (2018)
830715	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830716	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829774	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829775	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2018)
829776	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Ambry Genetics (2016), GeneDx (2016), GeneKor MSA (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Invitae (2019)
829625	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829626	BRCA2	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2015), Mendelics (2018), Invitae (2018)
831030	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830407	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2018), Integrated Genetics/Laboratory Corporation of America (2019)
830408	BRCA1	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830409	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830037	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830038	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830039	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831031	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831032	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
831033	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829777	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829778	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829779	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
830717	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830718	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830719	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830410	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830411	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017)
830412	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830040	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830041	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018)
830042	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829780	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Invitae (2018)
829781	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829782	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831034	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
831035	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2019), Invitae (2019)
831036	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Department of Medical Genetics, Oslo University Hospital (2017)
830720	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830721	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830722	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830413	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830414	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830415	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830043	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830044	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambr Genetics (2017)
830045	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831037	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831038	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831039	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830416	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830417	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830418	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2019)
829783	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambr Genetics (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
829784	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambr Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829785	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambr Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
830723	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830724	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830725	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830046	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830047	BRCA1	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2018)
830048	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829786	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829787	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2016), Ambry Genetics (2016), Integrated Genetics/Laboratory Corporation of America (2019)
829788	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831040	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831041	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831042	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830419	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Mendelics (2018), Invitae (2019)
830420	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830421	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830726	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830727	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830728	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829789	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
829790	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2016), Invitae (2019)
829791	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
830049	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830050	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830051	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831043	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831044	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831045	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), GeneDx (2017), Invitae (2019)
830422	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830423	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830424	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830052	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017)
830053	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
830054	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830729	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Invitae (2018)
830730	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830731	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829792	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Invitae (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
829793	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2018), GeneKor MSA (2018)
829794	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831046	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831047	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Pathology and Molecular Medicine, Queen's University (2017)
831048	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017), Ambry Genetics (2017)
830425	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830426	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830427	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829795	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829796	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829797	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2016), Invitae (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
830055	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2017)
830056	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830057	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830732	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830733	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830734	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831049	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831050	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831051	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830735	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
830736	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830737	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830428	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830429	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830430	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831052	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831053	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831054	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829798	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829799	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829800	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
830058	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830059	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
830060	BRCA1	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
830431	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830432	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
830433	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830738	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830739	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830740	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831055	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831056	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831057	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829801	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2018)
829802	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829803	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Color (2019)
830061	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830062	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830063	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830434	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830435	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830436	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830741	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2018)
830742	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830743	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831058	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831059	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831060	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830064	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2018)
830065	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
830066	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829804	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829805	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Integrated Genetics/Laboratory Corporation of America (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
829806	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
830437	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
830438	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
830439	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830744	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830745	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830746	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831061	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831062	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831063	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2019)
830067	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Medical Genetics, Oslo University Hospital (2017), German Consortium for Hereditary Breast and Ovarian Cancer Center Cologne, University Hospital Cologne (2019)
830068	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830069	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRIP) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
830440	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830441	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
830442	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829807	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), GeneDx (2018), Invitae (2018)
829808	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Ambry Genetics (2016), Invitae (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019), Color (2019)
829809	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2016), Invitae (2018)
831064	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831065	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831066	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830747	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Pathology and Laboratory Medicine,Sinai Health System (2017)
830748	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830749	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory,Women's College Hospital, University of Toronto (2017)
830070	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830071	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830072	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830750	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830751	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830752	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
831067	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Integrated Genetics/Laboratory Corporation of America (2019)
831068	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831069	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829810	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829811	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2016)
829812	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), GeneDx (2018)
830443	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830444	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2018)
830445	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830073	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830074	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017)
830075	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829813	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829814	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Color (2018)
829815	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830753	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830754	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830755	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831070	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831071	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831072	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830446	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830447	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830448	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2018)
830076	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830077	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830078	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829816	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Invitae (2018)
829817	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829818	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Invitae (2018)
830756	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830757	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830758	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831073	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
831074	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831075	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Integrated Genetics/Laboratory Corporation of America (2018), Color (2019)
830449	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830450	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830451	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
830079	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2018)
830080	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830081	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829819	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Integrated Genetics/Laboratory Corporation of America (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829820	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Integrated Genetics/Laboratory Corporation of America (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829822	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2019)
830759	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830760	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830761	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Ambry Genetics (2017)
830452	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830453	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830454	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828962	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Hereditary Cancer Genetics group, Vall d'Hebron Institute of Oncology (2019)
828963	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), GeneDx (2018)
828964	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRIP) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830082	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRIP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
830083	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830084	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Color (2018)
831076	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831077	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
831078	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829823	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829824	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829825	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Invitae (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830762	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830763	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830764	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830455	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830456	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
830457	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828965	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828966	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	24033266, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Ambry Genetics (2017)
830085	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2018)
830086	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830087	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017)
830458	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830459	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830460	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
829826	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2016), GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Invitae (2019)
829827	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829828	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2016), Mendelics (2018)
828967	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRIP) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Pathology and Laboratory Medicine,Sinai Health System (2017)
828968	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828969	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2017), ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018)
831079	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831080	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831081	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830765	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830766	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017), GeneDx (2017), Color (2018)
830767	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830461	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830462	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830463	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830088	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2018)
830089	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830090	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830768	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830769	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830770	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829829	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829830	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829831	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828970	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRIP) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Ambry Genetics (2017)
828971	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828972	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831082	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831083	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Invitae (2019)
831084	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830464	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830465	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830466	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830091	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830092	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830093	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830771	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830772	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
830773	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829832	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829833	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, GeneDx (2016), Ambry Genetics (2017), Color (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829834	BRCA2	T	C	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, GeneDx (2016), Counsyl (2018), Invitae (2018)
830094	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
830095	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Ambry Genetics (2017)
830096	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828973	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828974	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828975	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831085	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831086	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Invitae (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
831087	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830467	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), 3DMed Clinical Laboratory Inc (2018)
830468	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830469	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831088	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831089	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831090	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830774	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017)
830775	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830776	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829835	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, GeneDx (2016), Ambry Genetics (2017), Invitae (2017), Color (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829836	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, GeneDx (2016), Invitae (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829837	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2016), Invitae (2019)
830097	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830098	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830099	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828976	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828977	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRIP) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018), DNA and Cytogenetics Diagnostics Unit, Erasmus Medical Center (2018)
828978	BRCA1	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830470	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830471	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830472	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831091	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831092	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
831093	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), German Consortium for Hereditary Breast and Ovarian Cancer Center Cologne, University Hospital Cologne (2019)
830777	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
830778	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830779	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830100	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Color (2018)
830101	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830102	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829838	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2016), Invitae (2016), Ambry Genetics (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
829839	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), True Health Diagnostics (2018)
829840	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, GeneDx (2016), Color (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
830780	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2019)
830781	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2019)
830782	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828979	BRCA1	T	C	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Medical Genetics, Oslo University Hospital (2017), MutSpliceDB: a database of splice sites variants effects on splicing, NIH (2019)
828980	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016)
828981	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
830473	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830474	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830475	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831094	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831095	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831096	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830103	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830104	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
830105	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829841	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829842	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829843	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830783	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830784	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830785	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828982	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828983	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Ambry Genetics (2017)
828984	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018), Genome Diagnostics Laboratory, University Medical Center Utrecht (2018), DNA and Cytogenetics Diagnostics Unit, Erasmus Medical Center (2018)
830476	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830477	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830478	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831097	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Invitae (2018)
831098	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
831099	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830106	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830107	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830108	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829844	BRCA2	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829845	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829846	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830786	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830787	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830788	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828985	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Ambry Genetics (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828987	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017)
828988	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneKor MSA (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
830479	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830480	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
830481	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831100	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831101	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831102	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829847	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829848	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829849	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneKor MSA (2018), Invitae (2018)
830789	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830790	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2019)
830791	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830482	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
830483	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830484	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830109	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
830110	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830111	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
831103	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831104	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831105	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829850	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829851	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829852	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830485	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2016)
830486	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830487	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830792	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017), GeneKor MSA (2018)
830793	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830794	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830112	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830113	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830114	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831106	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
831107	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831108	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829853	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829854	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829855	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830488	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2019), German Consortium for Hereditary Breast and Ovarian Cancer Center Cologne, University Hospital Cologne (2019)
830489	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830490	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830795	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830796	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830797	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830115	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830116	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830117	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017), Integrated Genetics/Laboratory Corporation of America (2019)
831109	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
831110	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831111	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2018)
829856	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829857	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829858	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830491	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830492	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830493	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830798	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830799	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830800	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830118	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
830119	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830120	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831112	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831113	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
831114	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830494	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830495	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830496	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829859	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2018)
829860	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2018)
829861	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830801	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830802	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830803	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830121	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830122	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830123	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Faculty of Pharmacy, Ain Shams University (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
831115	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831116	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831117	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830497	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830498	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
830499	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830804	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830805	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Amby Genetics (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019), Color (2019)
830806	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829862	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829863	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829864	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Yang An-Suei Laboratory, Academia Sinica (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Amby Genetics (2017)
830124	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
830125	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Curoverse (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830126	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831118	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831119	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
831120	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017)
830807	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830808	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Color (2019)
830809	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2019)
830500	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830501	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830502	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829865	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829866	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829867	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
830127	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
830128	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830129	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830503	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830504	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2018)
830505	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
831121	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831122	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
831123	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2018)
830810	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830811	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830812	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), German Consortium for Hereditary Breast and Ovarian Cancer Center Cologne, University Hospital Cologne (2019)
829868	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829869	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2016), Color (2018), Integrated Genetics/Laboratory Corporation of America (2018)
829870	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
830130	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830131	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830132	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830813	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830814	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830815	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830506	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830507	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830508	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
829871	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, 28492532, Invitae (2016), Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Counsyl (2018), Integrated Genetics/Laboratory Corporation of America (2018)
829872	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829873	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Invitae (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
830133	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRIP) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
830134	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2019)
830135	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
831124	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831125	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831126	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830816	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Invitae (2018)
830817	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2019)
830818	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830509	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830510	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830511	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
829874	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
829875	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017)
829876	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
830136	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830137	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018), Genome Diagnostics Laboratory, University Medical Center Utrecht (2018)
830138	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830819	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneKor MSA (2018), Color (2019)
830820	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830821	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831127	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Invitae (2017), Integrated Genetics/Laboratory Corporation of America (2019)
831128	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831129	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Invitae (2018)
830512	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830513	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830514	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829877	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2016), Integrated Genetics/Laboratory Corporation of America (2018), GeneDx (2018)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
829878	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829879	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
830822	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830823	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830824	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831130	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831131	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2019)
831132	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830139	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830140	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830141	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830515	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830516	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830517	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829880	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829881	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829882	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830825	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830826	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830827	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Pathology and Laboratory Medicine,Sinai Health System (2017)
831133	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
831134	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831135	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830142	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830143	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830144	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017)
830518	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830519	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830520	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829883	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2016), GeneDx (2017), Color (2019)
829884	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829885	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2016), Research Molecular Genetics Laboratory,Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
830828	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830829	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017)
830830	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831136	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831137	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831138	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017), Invitae (2018)
830145	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Invitae (2018)
830146	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Department of Medical Genetics, Oslo University Hospital (2017)
830147	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830521	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830522	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830523	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829886	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829887	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2016), GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829888	BRCA1	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
830831	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Color (2019)
830832	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830833	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Pathology and Laboratory Medicine,Sinai Health System (2017)
828989	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2018), GeneDx (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828990	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCR) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Department of Pathology and Laboratory Medicine,Sinai Health System (2017), GeneKor MSA (2018)
828991	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829889	BRCA1	T	C	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
829890	BRCA1	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2016), Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829891	BRCA1	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
828992	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCR) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Counsyl (2015), Division of Human Genetics,Children's Hospital of Philadelphia (2015), Laboratory of Molecular Diagnosis of Cancer,West China Hospital, Sichuan University (2016)
828993	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828994	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Diagnostic Laboratory, Department of Genetics,University Medical Center Groningen (2018), DNA and Cytogenetics Diagnostics Unit,Erasmus Medical Center (2018)
831139	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831140	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831141	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830148	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830149	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
830150	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830524	BRCA1	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830525	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830526	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829892	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
829893	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829894	BRCA1	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2016), Color (2018)
831142	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
831143	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831144	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
830834	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830835	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830836	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830151	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830152	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017)
830153	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829895	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, GeneDx (2016), Invitae (2018), Color (2018)
829896	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Integrated Genetics/Laboratory Corporation of America (2019)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
829897	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831145	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831146	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831147	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2018)
830527	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830528	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830529	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830837	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830838	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830839	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Invitae (2017), Color (2018)
830154	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017)
830155	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
830156	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829898	BRCA1	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2016), Color (2018)
829899	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829900	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, GeneDx (2016), Invitae (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830530	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830531	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830532	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831148	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831149	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831150	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017)
830157	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
830158	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830159	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829901	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829902	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829903	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, GeneDx (2016), Invitae (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
830840	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830841	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830842	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830533	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830534	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830535	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831151	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Pathology and Laboratory Medicine,Sinai Health System (2017), Invitae (2017)
831152	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831153	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017), Ambry Genetics (2017)
830160	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830161	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017), Ambry Genetics (2017), GeneDx (2018)
830162	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829904	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829905	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2016), Laboratory for Molecular Medicine,Partners HealthCare Personalized Medicine (2017), GeneKor MSA (2018)
829906	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, GeneDx (2016), Ambry Genetics (2017), Invitae (2019)
831154	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831155	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831156	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830843	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830844	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
830845	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2018)
830536	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2018)
830537	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830538	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830163	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830164	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830165	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Invitae (2018)
829907	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2018)
829908	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829909	BRCA1	T	C	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831157	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831158	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831159	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2018)
830846	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), GeneDx (2018), Color (2019)
830847	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830848	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Yang An-Suei Laboratory, Academia Sinica (2017)
830166	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, 29116469, 29907814, Invitae (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), A.C.Camargo Cancer Center / LGBM, A.C.Camargo Cancer Center (2019)
830167	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
830168	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829910	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2014), GeneDx (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829911	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017), Ambry Genetics (2017)
829912	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
830539	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830540	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830541	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
831160	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831161	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2018)
831162	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830849	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830850	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830851	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
830169	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830170	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
830171	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829913	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829914	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829915	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2019), Color (2019)
830542	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830543	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830544	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831163	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831164	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), GeneDx (2017)
831165	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830852	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830853	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830854	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830172	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830173	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018), DNA and Cytogenetics Diagnostics Unit, Erasmus Medical Center (2018)
830174	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829916	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829917	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829918	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), GeneDx (2017)
830545	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
830546	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830547	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831166	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831167	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831168	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829919	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Yang An-Suei Laboratory, Academia Sinica (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Invitae (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829920	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829921	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830175	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830176	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830177	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830855	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambr Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2019), Invitae (2019)
830856	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2019)
830857	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830548	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830549	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
830550	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831169	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831170	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831171	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829922	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, GeneKor MSA (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829923	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, GeneKor MSA (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829924	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, GeneKor MSA (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
830178	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830179	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830180	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830858	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830859	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830860	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830551	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830552	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830553	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831172	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831173	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831174	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Mendelics (2018)
829925	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, GeneKor MSA (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), GeneDx (2018)
829926	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, GeneKor MSA (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829927	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, GeneKor MSA (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
830181	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
830182	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830183	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Color (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830861	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830862	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Invitae (2019)
830863	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830554	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830555	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830556	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831175	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
831176	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831177	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829928	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, GeneKor MSA (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829929	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, GeneKor MSA (2016), Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Mendelics (2018)
829930	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, GeneKor MSA (2016), Baylor Genetics (2017), GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Invitae (2019)
830864	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830865	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830866	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830184	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Integrated Genetics/Laboratory Corporation of America (2019)
830185	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830186	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830557	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830558	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830559	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831178	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831179	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831180	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829931	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, GeneKor MSA (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829932	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, GeneKor MSA (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829933	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830187	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830188	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830189	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830867	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2019)
830868	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830869	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830560	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
830561	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830562	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831181	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831182	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831183	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829934	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, GeneKor MSA (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829935	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, GeneKor MSA (2016), Color (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829936	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, GeneKor MSA (2016), Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), GeneDx (2018), Integrated Genetics/Laboratory Corporation of America (2019)
830190	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
830191	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
830192	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Invitae (2018)
830870	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830871	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830872	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
830563	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830564	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830565	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830193	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830194	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830195	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831184	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831185	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831186	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830566	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830567	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830568	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829937	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, GeneKor MSA (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829938	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, GeneKor MSA (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829939	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, GeneKor MSA (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830873	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830874	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830875	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830196	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRIP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830197	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830198	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831187	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2019)
831188	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831189	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830199	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017), GeneDx (2018)
830200	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830201	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829940	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneKor MSA (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Invitae (2018)
829941	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, GeneKor MSA (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829942	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, GeneKor MSA (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
830569	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830570	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Medical Genetics, Oslo University Hospital (2017), GeneDx (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
830571	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830876	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Department of Medical Genetics, Oslo University Hospital (2017)
830877	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830878	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
831190	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831191	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831192	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830202	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830203	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830204	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829943	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, GeneKor MSA (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829944	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829945	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
830572	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830573	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830574	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830879	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830880	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830881	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831193	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831194	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831195	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830205	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830206	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830207	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829946	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829947	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829948	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017), Ambry Genetics (2017)
830575	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830576	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830577	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831196	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831197	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831198	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
830882	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830883	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Ambry Genetics (2017)
830884	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2018)
830208	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830209	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	12065746, OMIM (2011), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
830210	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829949	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Invitae (2018), GeneDx (2018)
829950	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829951	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830578	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830579	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017), Ambry Genetics (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
830580	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830885	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830886	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Bioscientia Institut fuer Medizinische Diagnostik GmbH,Sonic Healthcare (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830887	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830211	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830212	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830213	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829952	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2016), Invitae (2017), Ambry Genetics (2017), Counsyl (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829953	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829954	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831199	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2019)
831200	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831201	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Integrated Genetics/Laboratory Corporation of America (2018)
830888	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830889	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830890	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830581	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830582	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830583	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830214	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830215	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830216	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829955	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829956	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829957	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831202	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831203	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Department of Pathology and Laboratory Medicine, Sinai Health System (2017)
831204	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830584	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830585	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830586	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830891	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830892	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830893	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830217	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830218	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830219	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829958	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2016), Invitae (2019)
829959	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Integrated Genetics/Laboratory Corporation of America (2019)
829960	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831205	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831206	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831207	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830894	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830895	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Color (2019)
830896	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830587	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830588	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830589	BRCA1	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830220	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830221	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830222	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829961	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829962	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829963	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831208	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831209	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831210	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830897	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830898	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Integrated Genetics/Laboratory Corporation of America (2018)
830899	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830590	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830591	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830592	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830223	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
830224	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018), DNA and Cytogenetics Diagnostics Unit, Erasmus Medical Center (2018)
830225	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829964	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829965	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829966	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831211	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2018)
831212	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831213	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830900	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830901	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830902	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830593	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830594	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830595	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
830226	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830227	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830228	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2018)
829967	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829968	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2018)
829969	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831214	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831215	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
831216	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830903	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), PreventionGenetics, PreventionGenetics (2018)
830904	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830905	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830596	BRCA1	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017)
830597	BRCA1	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830598	BRCA1	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2019)
830229	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
830230	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830231	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018), Genome Diagnostics Laboratory, University Medical Center Utrecht (2018)
829970	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
829971	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2016)
829972	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2016)
831217	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831218	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831219	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830599	BRCA1	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830600	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830601	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830232	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830233	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2017), Ambry Genetics (2017), GeneDx (2017), Department of Pathology and Laboratory Medicine, Sinai Health System (2017)
830234	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830906	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830907	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017)
830908	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829973	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2016)
829974	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2016)
829975	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2016)
831220	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017), GeneDx (2018), Integrated Genetics/Laboratory Corporation of America (2019)
831221	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831222	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830235	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830236	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830237	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
830602	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017)
830603	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830604	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830909	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
830910	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Ambry Genetics (2017), Invitae (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830911	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829976	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2016)
829977	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
829978	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830238	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830239	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2019)
830240	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831223	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831224	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831225	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2018)
829979	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829980	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829981	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
830912	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830913	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830914	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830605	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830606	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
830607	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831226	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831227	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831228	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830241	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, GeneDx (2016), Ambry Genetics (2017), Color (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Invitae (2018)
830242	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, GeneDx (2016), Invitae (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
830243	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2016)
829982	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829983	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829984	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Integrated Genetics/Laboratory Corporation of America (2019)
830915	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830916	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830917	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830608	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830609	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830610	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831229	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
831230	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831231	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2018)
830244	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
830245	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2016)
830246	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829985	BRCA1	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829986	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneKor MSA (2018), German Consortium for Hereditary Breast and Ovarian Cancer Center Cologne, University Hospital Cologne (2019)
829987	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830918	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830919	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830920	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830611	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830612	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830613	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
831232	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831233	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831234	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830247	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, GeneDx (2016), Invitae (2017), Integrated Genetics/Laboratory Corporation of America (2018)
830248	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830249	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829988	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829989	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829990	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830921	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Ambry Genetics (2017), GeneDx (2018)
830922	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830923	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2018)
830614	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830615	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830616	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831235	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
831236	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831237	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017)
830250	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830251	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2018)
830252	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830924	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830925	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830926	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830617	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
830618	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830619	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829991	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831340	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831341	BRCA1	T	C	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
830253	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830254	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830255	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
830927	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830928	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830929	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2019), Invitae (2019)
831238	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831239	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831240	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830620	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019)
830621	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830622	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831342	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831343	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831344	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2019)
830256	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830257	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830258	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830930	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
830931	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830932	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830623	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830624	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830625	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831241	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831242	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831243	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831345	BRCA1	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017)
831346	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831347	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2018), German Consortium for Hereditary Breast and Ovarian Cancer Center Cologne, University Hospital Cologne (2019)
830933	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830934	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830935	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830259	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830260	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830261	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831244	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831245	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831246	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831348	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831349	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831350	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830626	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830627	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830628	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830936	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
830937	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830938	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
831247	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831248	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831249	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830262	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830263	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830264	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831351	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831352	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831353	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830939	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Mendelics (2018)
830940	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830941	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830629	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830630	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830631	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831250	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
831251	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831252	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830265	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
830266	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830267	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Invitae (2019)
831354	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831355	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831356	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831357	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Invitae (2018)
831253	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017), Invitae (2018)
831254	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831255	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830942	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830943	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830944	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830632	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830633	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2019)
830634	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831358	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831359	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831360	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831256	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831257	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831258	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830268	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830269	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830270	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830945	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830946	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
830947	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830635	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830636	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
830637	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831361	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831362	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831363	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831364	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831259	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831260	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831261	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830638	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830639	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830640	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830271	BRCA1	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830272	BRCA1	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830273	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830948	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

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<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830949	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830950	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831262	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831263	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831264	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831365	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831366	BRCA2	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831367	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831368	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830641	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830642	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830643	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830274	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830275	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830276	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831265	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831266	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
831267	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830951	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830952	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), GeneDx (2017), Invitae (2018)
830953	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Invitae (2018)
831369	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018), Genome Diagnostics Laboratory, University Medical Center Utrecht (2018), DNA and Cytogenetics Diagnostics Unit, Erasmus Medical Center (2018)
831370	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831371	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830644	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830645	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830646	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830277	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830278	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830279	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2018)
831268	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2018)
831269	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

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<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
831270	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830954	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830955	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830956	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831372	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017), Counsyl (2018)
831373	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831374	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830647	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2019)
830648	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830649	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830280	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830281	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830282	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831271	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
831272	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

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<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
831273	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830957	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830958	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830959	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831375	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831376	BRCA2	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831377	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017), Counsyl (2018)
830650	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830651	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830652	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830283	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830284	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830285	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831274	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831275	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831276	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

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830960	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830961	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830962	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831378	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831379	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831380	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831277	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831278	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831279	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830653	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830654	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830655	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830963	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
830964	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830965	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

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<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830286	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
830287	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830288	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831381	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2019)
831382	BRCA2	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831383	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831280	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831281	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831282	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830656	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2018)
830657	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830658	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830966	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830967	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Mendelics (2018)
830968	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830289	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Color (2018)
830290	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830291	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831384	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831385	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831386	BRCA2	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831387	BRCA2	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831283	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831284	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831285	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2019), Invitae (2019)
830969	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830970	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830971	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830659	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830660	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830661	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830292	BRCA1	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2018)
830293	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830294	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
831388	BRCA2	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831389	BRCA2	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
831390	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831286	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), CeGaT Praxis fuer Humangenetik Tuebingen (2017), Invitae (2019)
831287	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831288	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830972	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
830973	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2017), Ambry Genetics (2017)
830974	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830662	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830663	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2018)
830664	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830295	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830296	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830297	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831391	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneKor MSA (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
831392	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831393	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831289	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831290	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019), Color (2019)
831291	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
830975	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830976	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Mendelics (2018), Color (2019)
830977	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830665	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830666	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830667	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830298	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830299	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830300	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2018)
831394	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831395	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
831396	BRCA2	T	C	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Department of Medical Genetics, Oslo University Hospital (2017), GeneDx (2017), Invitae (2018)
831292	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831293	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831294	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830978	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
830979	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830980	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2018)
830301	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2019)
830302	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830303	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830668	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
830669	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830670	BRCA1	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831397	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831398	BRCA2	T	C	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831399	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831400	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
831295	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831296	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831297	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830981	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830982	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830983	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830304	BRCA1	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830305	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830306	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830671	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830672	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830673	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
831298	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2018)
831299	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831300	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830984	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830985	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830986	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830307	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830308	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830309	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831401	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018), DNA and Cytogenetics Diagnostics Unit, Erasmus Medical Center (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
831402	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831403	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830987	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830988	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830989	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831301	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831302	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831303	BRCA1	T	C	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831304	BRCA1	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017), Color (2018), German Consortium for Hereditary Breast and Ovarian Cancer Center Cologne, University Hospital Cologne (2019)
830674	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830675	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830676	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2018)
830310	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830311	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830312	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831404	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831405	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831406	BRCA2	T	C	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830677	BRCA1	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830678	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830679	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830990	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830991	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830992	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831305	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831306	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831307	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831308	BRCA1	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830680	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830681	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830682	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831407	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831408	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), EGL Genetic Diagnostics,Eurofins Clinical Diagnostics (2016)
831409	BRCA2	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830993	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory,Women's College Hospital, University of Toronto (2017)
830994	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830995	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830313	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830314	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830315	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830683	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830684	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830685	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, 29116469, 29907814, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2018), Mendelics (2018), A.C.Camargo Cancer Center / LGBM, A.C.Camargo Cancer Center (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
831309	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831310	BRCA1	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831311	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831410	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), <i>Invitae</i> (2019)
831411	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831412	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830316	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830317	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830318	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830996	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830997	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830998	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831312	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831313	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831314	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831315	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830686	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830687	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830688	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831413	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
831414	BRCA2	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Invitae (2017), Integrated Genetics/Laboratory Corporation of America (2019)
831415	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830319	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2019)
830320	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830321	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831316	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831317	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831318	BRCA1	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Hereditary Cancer Genetics group, Vall d'Hebron Institute of Oncology (2019)
830999	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831000	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
831001	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830689	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830690	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830691	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Mendelics (2018)
831416	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831417	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Integrated Genetics/Laboratory Corporation of America (2019), Invitae (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
831418	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830322	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830323	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830324	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831319	BRCA1	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831320	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831321	BRCA1	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Hereditary Cancer Genetics group, Vall d'Hebron Institute of Oncology (2019)
831419	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831420	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831421	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, GeneDx (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
830692	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830693	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830694	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831002	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831003	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831004	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830325	BRCA1	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Amby Genetics (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830326	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
830327	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831322	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
831323	BRCA1	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831324	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831005	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831006	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831007	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), GeneDx (2017)
830695	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830696	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
831699	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830328	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2018)
830329	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830330	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831422	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), GeneKor MSA (2018)
831423	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2019)
831424	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
831008	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831009	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Mendelics (2018)
831010	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831325	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831326	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831327	BRCA1	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831328	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831425	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831426	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Counsyl (2017), Invitae (2017)
831427	BRCA1	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Counsyl (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831700	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831701	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831702	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830331	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830332	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830333	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831011	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2018)
831012	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
831013	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017)
831329	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831330	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831331	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831703	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831704	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831705	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831428	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Counsyl (2017), 3DMed Clinical Laboratory Inc (2018)
831429	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831430	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830334	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830335	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2018)
830336	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831431	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831432	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831433	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831332	BRCA1	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831333	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2019)
831334	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830337	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830338	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830339	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831706	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831707	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831708	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831014	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831015	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831016	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831434	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	24884479, A.C.Camargo Cancer Center / LGBM, A.C.Camargo Cancer Center (2017), GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831435	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	24884479, 25741868, A.C.Camargo Cancer Center / LGBM, A.C.Camargo Cancer Center (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Color (2019)
831436	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	23469205, A.C.Camargo Cancer Center / LGBM, A.C.Camargo Cancer Center (2017), Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
830340	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830341	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
830342	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831709	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
831710	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831711	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831437	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	23469205, A.C.Camargo Cancer Center / LGBM, A.C.Camargo Cancer Center (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831438	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	23469205, A.C.Camargo Cancer Center / LGBM, A.C.Camargo Cancer Center (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831439	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831335	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831336	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831337	BRCA1	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831338	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
831017	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831018	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831019	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830343	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830344	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830345	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831712	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831713	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831714	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
831440	BRCA1	I	D	--	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831441	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831442	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831443	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831339	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832116	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832117	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831020	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831021	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831022	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830346	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830347	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830348	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831715	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831716	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831717	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Department of Medical Genetics, Oslo University Hospital (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831444	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831445	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
831446	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831447	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832118	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832119	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832120	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831023	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2019)
831024	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831025	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830349	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830350	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
830351	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
831718	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Department of Pathology and Molecular Medicine, Queen's University (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831719	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831720	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831448	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831449	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831450	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
831451	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832121	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832122	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832123	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830352	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830353	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830354	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831026	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831027	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831028	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831721	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831722	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831723	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831452	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831453	BRCA1	I	D	--	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831454	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831455	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832124	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
832125	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832126	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830355	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830356	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830357	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831724	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831725	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831726	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831029	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
832572	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832573	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831456	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831457	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831458	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831459	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832127	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832128	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832129	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830358	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830359	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830360	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831727	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831728	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831729	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831460	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831461	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831462	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831463	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832574	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832575	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832576	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832577	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832130	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832131	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832132	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831464	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831465	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2017), Department of Medical Genetics, Oslo University Hospital (2017)
831466	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830361	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
830362	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
830363	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
831730	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831731	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831732	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832133	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832134	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832135	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832578	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832579	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832580	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832581	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831467	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831468	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831469	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831470	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
830364	BRCA1	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2019)
830365	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
832917	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Ambry Genetics (2014), GeneDx (2017), Invitae (2017), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017), Counsyl (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
831733	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Color (2019)
831734	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831735	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Department of Medical Genetics, Oslo University Hospital (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832136	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832137	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832138	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831471	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831472	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831473	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831474	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832918	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2014), Invitae (2015), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Bioinformatics dept., Datar Cancer Genetics Limited, India (2017)
832919	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26845104, 28492532, Ambry Genetics (2014), GeneDx (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Integrated Genetics/Laboratory Corporation of America (2018), Counsyl (2018)
832920	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26845104, 28492532, Ambry Genetics (2014), Michigan Medical Genetics Laboratories, University of Michigan (2016), Counsyl (2018), PreventionGenetics, PreventionGenetics (2018), GeneDx (2018)
832582	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832583	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832584	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832585	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831736	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831737	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
831738	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), GeneDx (2018), Invitae (2018)
832139	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832140	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832141	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831475	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831476	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831477	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831478	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832142	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832143	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832144	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832921	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Ambry Genetics (2014), Sharing Clinical Reports Project (SCRIP) (2016), Invitae (2017), Counsyl (2018), GeneDx (2018)
832922	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2019), Biesecker Lab/Clinical Genomics Section, National Institutes of Health (2019)
832923	BRCA2	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Ambry Genetics (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Counsyl (2018), Hereditary Cancer Genetics group, Vall d'Hebron Institute of Oncology (2019)
832586	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832587	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832588	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832589	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831739	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Invitae (2018)
831740	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
831741	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832145	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832146	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832147	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831479	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831480	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831481	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831482	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Veritas Genetics, Veritas Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832924	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Counsyl (2017), Invitae (2017)
832925	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Genomic Research Center, Shahid Beheshti University of Medical Sciences (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Genomic Research Center, Shahid Beheshti University of Medical Sciences (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
832926	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Strand Center for Genomics and Personalized Medicine, Strand Life Sciences Pvt Ltd (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Counsyl (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
832590	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832591	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832592	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832593	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831742	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Counsyl (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831743	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
831744	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832148	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832149	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832150	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831483	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Veritas Genetics, Veritas Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831484	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831485	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Invitae (2019)
831745	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), GeneKor MSA (2018)
831746	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831747	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Department of Pathology and Molecular Medicine, Queen's University (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832927	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Pathway Genomics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Counsyl (2018), Invitae (2018)
832928	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2017), Ambry Genetics (2017), Counsyl (2018)
832929	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Genologica Medica (2017)
832151	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832152	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832153	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832594	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832595	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832596	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
832597	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831486	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831487	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831488	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831748	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Department of Pathology and Molecular Medicine,Queen's University (2017), Invitae (2019)
831749	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Department of Pathology and Molecular Medicine,Queen's University (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831750	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Department of Pathology and Molecular Medicine,Queen's University (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832930	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Genologica Medica (2017), Invitae (2018)
832931	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Department of Pathology and Laboratory Medicine,Sinai Health System (2017), GeneDx (2017), Centre for Molecular Diagnostics & Cell Biology,Rajiv Gandhi Cancer Institute & Research Center (2018)
832932	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Counsyl (2018)
832154	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832155	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832156	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831751	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831752	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831753	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832598	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832599	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832600	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832601	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
831489	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Invitae (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831490	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), GeneDx (2018), German Consortium for Hereditary Breast and Ovarian Cancer Center Cologne, University Hospital Cologne (2019)
831491	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832933	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2016), Sharing Clinical Reports Project (SCR) (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2016), GeneDx (2018)
832934	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Michigan Medical Genetics Laboratories, University of Michigan (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneKor MSA (2016), Counsyl (2018)
832935	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2016), Bioinformatics dept., Datar Cancer Genetics Limited, India (2017), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
832157	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832158	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832159	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831492	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831493	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831494	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831754	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831755	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, MVZ Praenatalmedizin und Genetik Nuernberg (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831756	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832160	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832161	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832162	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832602	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
832603	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832604	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832605	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832936	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Genologica Medica (2017), Color (2018)
832937	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Genologica Medica (2017)
832938	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Counsyl (2018), Invitae (2018)
831495	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Foulkes Cancer Genetics LDI, Lady Davis Institute for Medical Research (2018)
831496	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831497	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), GeneDx (2018)
831757	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831758	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831759	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832939	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2016), Counsyl (2018), GeneKor MSA (2018)
832940	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2016), Invitae (2017), Counsyl (2018), Color (2019)
832941	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, GeneDx (2016), Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832163	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832164	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832165	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832606	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
832607	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2019), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2019)
832608	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832942	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Counsyl (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
832943	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Genologica Medica (2017)
832944	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2018), Counsyl (2018)
831498	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831499	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831500	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832609	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832610	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832611	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832612	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831760	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Invitae (2018)
831761	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831762	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832166	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832167	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832168	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832945	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Genomic Research Center, Shahid Beheshti University of Medical Sciences (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
832946	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Counsyl (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
832947	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Counsyl (2018)
831501	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831502	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831503	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832169	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832170	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832171	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832613	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832614	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832615	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832616	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832948	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Genome Diagnostics Laboratory, University Medical Center Utrecht (2018), Invitae (2018), Color (2019)
832949	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Genologica Medica (2017), Mendelics (2018), Color (2019)
832950	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Counsyl (2017), Department of Pathology and Laboratory Medicine, Sinai Health System (2017)
831763	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831764	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Invitae (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831765	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831504	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2017), Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
831505	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831506	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832617	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832618	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832619	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832620	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832172	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832173	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832174	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832951	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Department of Medical Genetics, University Hospital of North Norway (2016), Department of Medical Genetics, Oslo University Hospital (2017)
832952	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Department of Medical Genetics, University Hospital of North Norway (2016), Department of Medical Genetics, Oslo University Hospital (2017)
832953	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Genologica Medica (2017)
831766	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831767	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831768	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831507	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2017), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831508	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831509	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2017), Integrated Genetics/Laboratory Corporation of America (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832621	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832622	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832623	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
832624	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832175	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832176	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832177	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832954	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Counsyl (2018)
832955	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Genologica Medica (2017), Color (2019)
832956	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Counsyl (2017)
831510	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831511	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831512	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), GeneDx (2018)
831769	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Department of Pathology and Laboratory Medicine,Sinai Health System (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831770	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Department of Pathology and Laboratory Medicine,Sinai Health System (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831771	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Department of Pathology and Laboratory Medicine,Sinai Health System (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832625	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832626	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832627	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832178	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832179	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832180	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832957	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Counsyl (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
832958	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832959	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831772	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831773	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831774	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832628	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832629	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832630	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832631	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832181	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832182	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832183	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831513	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831514	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2017), Counsyl (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Integrated Genetics/Laboratory Corporation of America (2019)
831515	BRCA2	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2017), Ambry Genetics (2017)
831775	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831776	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Invitae (2019)
831777	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832632	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832633	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
832634	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832635	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831516	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2017), Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Color (2019)
831517	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831518	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832184	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832185	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832186	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832960	BRCA2	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Department of Pathology and Laboratory Medicine, Sinai Health System (2017)
832961	BRCA2	T	C	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2018), Hereditary Cancer Genetics group, Vall d'Hebron Institute of Oncology (2019)
832962	BRCA1	I	D	--	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831778	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831779	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831780	BRCA2	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832636	BRCA1	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832637	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832638	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	11359068, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, 8524414, 9585613, OMIM (2011), Ambry Genetics (2014), GeneDx (2015), Human Genome Sequencing Center Clinical Lab, Baylor College of Medicine (2018), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
831519	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831520	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2017), Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831521	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2017), Color (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832187	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

Your Genetic Testing Data

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
832194	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832195	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831528	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Color (2019)
831529	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2017), Color (2018)
831530	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831787	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Invitae (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Color (2019)
831788	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831789	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Integrated Genetics/Laboratory Corporation of America (2019)
832647	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, 7894491, 7894492, OMIM (2011), Invitae (2013), Ambry Genetics (2014), GeneDx (2015), Genetic Services Laboratory, University of Chicago (2017)
832648	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, 7894493, OMIM (2011), GeneDx (2013), Invitae (2013), Ambry Genetics (2014), Genetic Services Laboratory, University of Chicago (2017)
832649	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, 7894491, OMIM (2011), Ambry Genetics (2014), Division Human Genetics, Medical University Innsbruck (2015), GeneDx (2015), Human Genome Sequencing Center Clinical Lab, Baylor College of Medicine (2018)
832973	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832974	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832975	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832196	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832197	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832198	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831531	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2017), Color (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831532	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
831533	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831790	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Invitae (2019)
831791	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Invitae (2018)
831792	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
832650	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, 7894492, 7894493, OMIM (2011), Ambry Genetics (2014), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2015), GeneDx (2015), Baylor Genetics (2017)
832651	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	24033266, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, 7894491, OMIM (2011), Ambry Genetics (2014), Baylor Genetics (2017), Genetic Services Laboratory, University of Chicago (2017), Genome Diagnostics Laboratory, University Medical Center Utrecht (2018)
832652	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	23469205, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, Division Human Genetics, Medical University Innsbruck (2015), GeneDx (2015), GeneDx (2015), Baylor Genetics (2017), Genetic Services Laboratory, University of Chicago (2017)
832976	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832977	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832978	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832199	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832200	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832201	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831534	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831535	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831536	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831793	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Department of Medical Genetics, Oslo University Hospital (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
831794	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Research Molecular Genetics Laboratory,Women's College Hospital, University of Toronto (2017), Department of Medical Genetics,Oslo University Hospital (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831795	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Department of Medical Genetics,Oslo University Hospital (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832979	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832980	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832981	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832982	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832202	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832203	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832204	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832653	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 25741868, 9585617, OMIM (2011), CHEO Genetics Diagnostic Laboratory,Children's Hospital of Eastern Ontario (2015), Ambry Genetics (2015), GeneDx (2015), CHEO Genetics Diagnostic Laboratory,Children's Hospital of Eastern Ontario (2019)
832654	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	10441573, 25741868, 25741868, 25741868, 25741868, 26467025, 8755943, 9616287, OMIM (2011), Ambry Genetics (2014), Pathway Genomics (2014), GeneDx (2016), Human Genome Sequencing Center Clinical Lab,Baylor College of Medicine (2018)
832655	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	12427738, 16452482, 25741868, 25741868, 25741868, 26467025, 28492532, 7545954, 8942979, OMIM (2011), Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015)
831537	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831538	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831539	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831540	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832983	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832984	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832985	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832986	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
832205	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832206	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832207	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831796	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Department of Medical Genetics, Oslo University Hospital (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831797	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Department of Medical Genetics, Oslo University Hospital (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831798	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Department of Medical Genetics, Oslo University Hospital (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832656	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	18285836, OMIM (2011), Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
832657	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017)
832658	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015)
832987	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832988	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832989	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832990	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832208	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832209	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832210	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831541	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831542	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831543	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831544	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532

Your Genetic Testing Data

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
832995	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832996	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832997	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832998	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832662	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	24884479, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), Division Human Genetics, Medical University Innsbruck (2015), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2016), GeneDx (2016)
832663	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 28492532, Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Genetic Services Laboratory, University of Chicago (2017)
832664	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), Pathway Genomics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016)
832214	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832215	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832216	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831549	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Centre for Molecular Diagnostics & Cell Biology, Rajiv Gandhi Cancer Institute & Research Center (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831550	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831551	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Department of Medical Genetics, Oslo University Hospital (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831805	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Department of Medical Genetics, Oslo University Hospital (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831806	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831807	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832999	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
833000	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
833001	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
833002	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
832665	BRCA1	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
832666	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017)
832667	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCR) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2017), Invitae (2017)
832217	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832218	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832219	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831552	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Department of Medical Genetics, Oslo University Hospital (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831553	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Department of Medical Genetics, Oslo University Hospital (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831554	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Department of Medical Genetics, Oslo University Hospital (2017), Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831555	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Department of Medical Genetics, Oslo University Hospital (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831556	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Department of Medical Genetics, Oslo University Hospital (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831557	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Department of Medical Genetics, Oslo University Hospital (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831808	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831809	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831810	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831811	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832668	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCR) (2012), Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), GeneDx (2015)
832669	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), GeneDx (2015), Baylor Genetics (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
832670	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	23469205, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Invitae (2013), Ambr Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019)
832220	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832221	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832222	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831558	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Department of Medical Genetics, Oslo University Hospital (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831559	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Department of Medical Genetics, Oslo University Hospital (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831560	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Department of Medical Genetics, Oslo University Hospital (2017), Yang An-Suei Laboratory, Academia Sinica (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
833003	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
833004	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
833005	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
833006	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832671	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambr Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2018)
832672	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, 28492532, Invitae (2013), Ambr Genetics (2014), GeneDx (2015), GeneDx (2016), Human Genome Sequencing Center Clinical Lab, Baylor College of Medicine (2018)
832673	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	10417300, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, OMIM (2011), Sharing Clinical Reports Project (SCRP) (2012), Invitae (2013), Ambr Genetics (2014), GeneDx (2016)
832223	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832224	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832225	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831812	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831813	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
831814	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831815	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831561	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Department of Medical Genetics, Oslo University Hospital (2017), Department of Pathology and Laboratory Medicine, Sinai Health System (2017)
831562	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Department of Medical Genetics, Oslo University Hospital (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831563	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Department of Medical Genetics, Oslo University Hospital (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017)
832226	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832227	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832228	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
833007	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
833008	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
833009	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
833010	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831564	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2019)
831565	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831566	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832674	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017)
832675	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, 8644703, OMIM (2011), GeneDx (2013), Invitae (2013), Ambry Genetics (2014), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017)
832676	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Invitae (2017)
831816	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831817	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831818	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
832229	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832230	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832231	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
833011	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
833012	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
833013	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
833014	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831819	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831820	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), EGL Genetic Diagnostics, Eurofins Clinical Diagnostics (2018)
831821	BRCA1	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Invitae (2018)
832677	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Human Genome Sequencing Center Clinical Lab, Baylor College of Medicine (2018)
832678	BRCA1	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Baylor Genetics (2017), Genetic Services Laboratory, University of Chicago (2017), Genome Diagnostics Laboratory, University Medical Center Utrecht (2018), Human Genome Sequencing Center Clinical Lab, Baylor College of Medicine (2018)
832679	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Invitae (2014), GeneDx (2015), Baylor Genetics (2017), Human Genome Sequencing Center Clinical Lab, Baylor College of Medicine (2018)
831567	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831568	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831569	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832232	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832233	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
832234	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831822	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831823	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831824	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
833015	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
833016	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
833017	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832680	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 25741868, 26467025, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), GeneDx (2016)
832681	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Counsyl (2018)
832682	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2015), GeneDx (2017)
831570	BRCA2	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Ambry Genetics (2017), GeneDx (2017), Counsyl (2018)
831571	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831572	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Invitae (2018)
832235	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832236	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832237	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831825	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831826	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831827	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Invitae (2018), GeneDx (2018)
832683	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2015), Ambry Genetics (2016), GeneDx (2016), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
832684	BRCA1	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRIP) (2012), Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016)
832685	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2015), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
827976	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2018)
827977	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, GeneDx (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
827978	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831573	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831574	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831575	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831828	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831829	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831830	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827979	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
827980	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827981	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
832238	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832239	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832240	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832686	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCRIP) (2012), Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
832687	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, 28492532, GeneDx (2013), Invitae (2013), Ambry Genetics (2014), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Genome Diagnostics Laboratory, University Medical Center Utrecht (2018)
832688	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCR) (2012), Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2015), Ambry Genetics (2016)
831576	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2017), GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831577	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831578	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, GeneDx (2017), Color (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Invitae (2019)
831831	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Color (2019)
831832	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Ambry Genetics (2017), Color (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), GeneDx (2018)
831833	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832689	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	24033266, 25741868, 25741868, 26467025, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Division Human Genetics, Medical University Innsbruck (2015), GeneDx (2016), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017)
832690	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Sharing Clinical Reports Project (SCR) (2012), Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), GeneDx (2016)
832691	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Biesecker Lab/Clinical Genomics Section, National Institutes of Health (2013), Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2017), GeneDx (2017)
831579	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831580	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831581	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2017), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832241	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832242	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832243	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831834	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831835	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
831836	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Integrated Genetics/Laboratory Corporation of America (2019) 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, 29116469, 29907814, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), Laboratory of Molecular Diagnosis of Cancer, West China Hospital, Sichuan University (2016), GeneDx (2017)
832692	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2016), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2016), Invitae (2017)
832693	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2016), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2016), Invitae (2017)
832694	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCR) (2012), Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2017)
831582	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831583	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831584	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832244	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832245	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832246	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831837	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831838	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831839	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832695	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Counsyl (2015)
832696	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Human Genome Sequencing Center Clinical Lab, Baylor College of Medicine (2018)
832697	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2016), Human Genome Sequencing Center Clinical Lab, Baylor College of Medicine (2018), Invitae (2018)
831585	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831586	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831587	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)

Your Genetic Testing Data

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
832702	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Invitae (2016), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
832703	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017)
831591	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Ambry Genetics (2017), GeneDx (2017), Invitae (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
831592	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, GeneDx (2017), Invitae (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831593	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Counsyl (2018)
831846	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831847	BRCA1	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2017), Ambry Genetics (2017), Color (2018)
831848	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832253	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832254	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832255	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831594	BRCA1	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2017), GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831595	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Invitae (2018), Color (2019)
831596	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832704	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2016), Human Genome Sequencing Center Clinical Lab,Baylor College of Medicine (2018), CHEO Genetics Diagnostic Laboratory,Children's Hospital of Eastern Ontario (2019)
832705	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
832706	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Division Human Genetics,Medical University Innsbruck (2015), GeneDx (2015), Baylor Genetics (2017), Genome Diagnostics Laboratory,University Medical Center Utrecht (2018), Human Genome Sequencing Center Clinical Lab,Baylor College of Medicine (2018)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
831849	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Istenhegyi Gendiagnosztika Kft (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831850	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831851	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831597	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831598	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831599	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Quest Diagnostics Nichols Institute San Juan Capistrano (2017), GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832256	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832257	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832258	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831852	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831853	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831854	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832707	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Baylor Genetics (2017)
832708	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Counsyl (2017), GeneDx (2017)
832709	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2015), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Counsyl (2017)
831600	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831601	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831602	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2017), GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Invitae (2018)
832259	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832260	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
832261	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831855	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831856	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831857	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831603	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831604	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Department of Pathology and Laboratory Medicine,Sinai Health System (2017), GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Invitae (2018), Color (2019)
831605	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Invitae (2019)
832710	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, Sharing Clinical Reports Project (SCRP) (2012), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
832711	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2015), Laboratory for Molecular Medicine,Partners HealthCare Personalized Medicine (2016), Human Genome Sequencing Center Clinical Lab,Baylor College of Medicine (2018)
832712	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2013), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Counsyl (2017)
832262	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Invitae (2019)
832263	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832264	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831858	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Invitae (2019)
831859	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Invitae (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
831860	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831606	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831607	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, GeneDx (2017), Invitae (2018)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
831608	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832265	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832266	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832267	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832713	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Human Genome Sequencing Center Clinical Lab,Baylor College of Medicine (2018)
832714	BRCA2	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
832715	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2015), CHEO Genetics Diagnostic Laboratory,Children's Hospital of Eastern Ontario (2015), Laboratory for Molecular Medicine,Partners HealthCare Personalized Medicine (2017)
831861	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831862	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831863	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831609	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831610	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Invitae (2019)
831611	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832268	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832269	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832270	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832716	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), GeneDx (2013), Invitae (2013), Ambry Genetics (2014), Laboratory for Molecular Medicine,Partners HealthCare Personalized Medicine (2017)
832717	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2015), Laboratory for Molecular Medicine,Partners HealthCare Personalized Medicine (2016), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
832718	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 26845104, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), GeneDx (2017), Invitae (2019)
831864	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831865	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2017), Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831866	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831612	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831613	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831614	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832271	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832272	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832273	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831615	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2017), GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831616	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831617	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832719	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2015), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2015), Genetic Services Laboratory, University of Chicago (2017)
832720	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), GeneDx (2017)
832721	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), GeneDx (2017)
831867	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Invitae (2018)
831868	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831869	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
831618	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, GeneDx (2017), Invitae (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831619	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831620	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832274	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832275	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832276	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832722	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, GeneDx (2013), Invitae (2013), Ambry Genetics (2014), Human Genome Sequencing Center Clinical Lab, Baylor College of Medicine (2018), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
832723	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2013), Ambry Genetics (2014), Pathway Genomics (2014), GeneDx (2015)
832724	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
831870	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831871	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831872	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Mendelics (2018)
831621	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831622	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831623	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832277	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832278	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
832279	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831624	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831625	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
831626	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832725	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2015), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017)
832726	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), GeneDx (2015), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017)
832727	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), Ambry Genetics (2014), GeneDx (2015), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017)
831873	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2017), Invitae (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831874	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Color (2019), Integrated Genetics/Laboratory Corporation of America (2019)
831875	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), GeneDx (2018)
832280	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832281	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832282	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831627	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831628	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831629	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831876	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Invitae (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019), Integrated Genetics/Laboratory Corporation of America (2019)
831877	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831878	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832728	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Division Human Genetics, Medical University Innsbruck (2015), GeneDx (2016)
832729	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCR) (2012), Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
832730	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	24033266, 25741868, 25741868, 25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2016), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Human Genome Sequencing Center Clinical Lab, Baylor College of Medicine (2018)
832283	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832284	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832285	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831630	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831631	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831632	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831879	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2017), GeneDx (2017)
831880	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831881	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832731	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Invitae (2013), Division Human Genetics, Medical University Innsbruck (2015), Ambry Genetics (2015), GeneDx (2015), Baylor Genetics (2017)
832732	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
832733	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2016), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019)
828995	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828996	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2014), Department of Pathology and Laboratory Medicine, Sinai Health System (2017)
828997	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
832286	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832287	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
832288	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831633	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831634	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831635	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Color (2019)
831882	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831883	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831884	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831885	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832734	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2015), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2016), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
832735	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Biesecker Lab/Clinical Genomics Section, National Institutes of Health (2019)
832736	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRIP) (2012), Invitae (2013), Ambry Genetics (2014), GeneDx (2015), Baylor Genetics (2017)
832289	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832290	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832291	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
827982	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), GeneDx (2017)
827983	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827984	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
831636	BRCA1	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Genologica Medica (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831637	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Genologica Medica (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831638	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Genologica Medica (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
832292	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832293	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832294	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831639	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Genologica Medica (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), GeneDx (2018)
831640	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Genologica Medica (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831641	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Genologica Medica (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831886	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831887	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831888	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831889	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832737	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017)
832738	BRCA2	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, 28492532, Invitae (2013), Division Human Genetics, Medical University Innsbruck (2015), Ambry Genetics (2015), GeneDx (2017), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017)
832739	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017)
831890	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831891	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831892	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831893	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832295	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832296	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832297	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
831642	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831643	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831644	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Yang An-Suei Laboratory, Academia Sinica (2017), Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832740	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Genome Diagnostics Laboratory, University Medical Center Utrecht (2018)
832741	BRCA2	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Sharing Clinical Reports Project (SCR) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2015), GeneDx (2016)
832742	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 26845104, 28492532, 8589730, OMIM (2011), Biesecker Lab/Clinical Genomics Section, National Institutes of Health (2013), Invitae (2013), Ambry Genetics (2015), GeneDx (2015)
831894	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831895	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831896	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831897	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831645	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Yang An-Suei Laboratory, Academia Sinica (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831646	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Yang An-Suei Laboratory, Academia Sinica (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831647	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Yang An-Suei Laboratory, Academia Sinica (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832298	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832299	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832300	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Mendelics (2018)
831898	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831899	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831900	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2017), Color (2018)
831901	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
832743	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	12065746, 25741868, 25741868, 25741868, 26467025, 28492532, OMIM (2011), Sharing Clinical Reports Project (SCRP) (2012), GeneDx (2015), Ambry Genetics (2016), Invitae (2016)
832744	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), GeneDx (2017), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
832745	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
831648	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Yang An-Suei Laboratory, Academia Sinica (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831649	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831650	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Yang An-Suei Laboratory, Academia Sinica (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832301	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832302	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832303	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831902	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831903	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831904	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832746	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
832747	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Counsyl (2018)
831651	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831652	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, HudsonAlpha Institute for Biotechnology, HudsonAlpha Institute for Biotechnology (2017), Color (2018), Invitae (2018), Integrated Genetics/Laboratory Corporation of America (2019)
831653	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Cancer Genetics and Genomics Laboratory, British Columbia Cancer Agency (2017), Invitae (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
832304	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832305	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832306	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831654	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Color (2018), Invitae (2018), Mendelics (2018)
831655	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831656	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832307	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832308	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832309	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831657	BRCA1	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831658	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831659	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832748	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, Sharing Clinical Reports Project (SCRP) (2012), GeneDx (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2016)
832749	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2015), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019)
832750	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2013), Ambry Genetics (2016), Genetic Services Laboratory, University of Chicago (2017), GeneDx (2017)
831905	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831906	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831907	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
831660	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Integrated Genetics/Laboratory Corporation of America (2019)
831661	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831662	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831908	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831909	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831910	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2017), Ambry Genetics (2017)
832310	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832311	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832312	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832751	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2017), Genome Diagnostics Laboratory, University Medical Center Utrecht (2018), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
832752	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 26467025, 26845104, 28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2015), University of Washington Department of Laboratory Medicine, University of Washington (2016), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017)
832753	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRIP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Counsyl (2017), GeneDx (2018)
831663	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831664	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831665	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831911	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2017), GeneKor MSA (2018)
831912	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831913	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832313	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
832314	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832315	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832754	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Human Genome Sequencing Center Clinical Lab, Baylor College of Medicine (2018)
832755	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Genologica Medica (2017)
832756	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827985	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827986	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827987	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831666	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831667	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831668	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831914	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831915	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831916	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832316	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832317	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Yang An-Suei Laboratory, Academia Sinica (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832318	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
831669	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831670	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831671	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832757	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 26845104, 28492532, GeneDx (2013), Ambry Genetics (2014), Baylor Genetics (2017), Human Genome Sequencing Center Clinical Lab, Baylor College of Medicine (2018), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
832758	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017), Human Genome Sequencing Center Clinical Lab, Baylor College of Medicine (2018), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2019)
832759	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRIP) (2012), Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015)
831917	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831918	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2017), Integrated Genetics/Laboratory Corporation of America (2018), GeneDx (2018)
831919	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2017), Color (2018)
831672	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831673	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831674	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832319	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832320	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832321	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832760	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
832761	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), GeneDx (2017), Counsyl (2018), Integrated Genetics/Laboratory Corporation of America (2018)
832762	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Sharing Clinical Reports Project (SCR) (2016), Ambry Genetics (2016), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2018), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
831920	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831921	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831922	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831675	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Ambry Genetics (2017), GeneKor MSA (2018)
831676	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831677	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832322	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832323	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832324	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832763	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2019)
832764	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Ambry Genetics (2016), Counsyl (2018)
832765	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Genome Diagnostics Laboratory, University Medical Center Utrecht (2018), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018), DNA and Cytogenetics Diagnostics Unit, Erasmus Medical Center (2018)
831923	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831924	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831925	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831678	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
831679	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831680	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832325	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832326	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832327	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831926	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2017), Ambry Genetics (2017)
831927	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831928	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832766	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Invitae (2013), Ambry Genetics (2015), Counsyl (2017), GeneDx (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
832767	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Genologica Medica (2017), GeneDx (2018)
832768	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
832328	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832329	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832330	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831681	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831682	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831683	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831929	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831930	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Ambry Genetics (2017), Invitae (2017), Color (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
831931	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832331	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832332	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832333	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832769	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2014), GeneDx (2016), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2018)
832770	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Counsyl (2018)
832771	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2014), Counsyl (2017), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Integrated Genetics/Laboratory Corporation of America (2018)
831932	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2017), Invitae (2017)
831933	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831934	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831684	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831685	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831686	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832334	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832335	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832336	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832772	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Counsyl (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
832773	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCR) (2013), Ambry Genetics (2014), GeneDx (2016), Counsyl (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
832774	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2019)
831936	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2017), Counsyl (2018)
831937	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831938	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831687	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831688	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831689	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832337	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832338	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
832339	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832775	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Ambry Genetics (2014), Sharing Clinical Reports Project (SCR) (2016), GeneDx (2017), Counsyl (2018), Integrated Genetics/Laboratory Corporation of America (2019)
832776	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCR) (2013), Ambry Genetics (2014), Ambry Genetics (2016), Baylor Genetics (2017), Counsyl (2018)
832777	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Counsyl (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
831690	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831691	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
831692	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831939	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831940	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2017), Integrated Genetics/Laboratory Corporation of America (2018)
831941	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831693	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831694	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831695	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832340	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832341	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832342	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831942	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831943	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831944	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831696	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831697	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831698	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832778	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2017), Counsyl (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
832779	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 28492532, Invitae (2013), Ambry Genetics (2014), Michigan Medical Genetics Laboratories, University of Michigan (2016), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
832780	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Counsyl (2017), GeneDx (2017), Ambry Genetics (2017)
832343	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832344	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832345	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831945	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831946	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831947	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832781	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2014), Ambry Genetics (2014), Michigan Medical Genetics Laboratories, University of Michigan (2016), Counsyl (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
832782	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Sharing Clinical Reports Project (SCRP) (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Counsyl (2018), Integrated Genetics/Laboratory Corporation of America (2018)
832783	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2016), Counsyl (2018), GeneDx (2018), Integrated Genetics/Laboratory Corporation of America (2019)
832346	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832347	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832348	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Invitae (2018)
832784	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2014), EGL Genetic Diagnostics, Eurofins Clinical Diagnostics (2015), GeneDx (2016), Counsyl (2018)
832785	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Counsyl (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
832786	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Ambry Genetics (2016), Integrated Genetics/Laboratory Corporation of America (2018)
831948	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831949	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
831950	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
827988	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
827989	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2018)
827990	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2018), Integrated Genetics/Laboratory Corporation of America (2019)
832349	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832350	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Color (2019)
832351	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831951	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831952	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831953	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832352	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Invitae (2019)
832353	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832354	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832787	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCR) (2013), Ambry Genetics (2014), GeneDx (2016), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Integrated Genetics/Laboratory Corporation of America (2018)
832788	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Genologica Medica (2017), Color (2018)
832789	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2013), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Counsyl (2017)
831954	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831955	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
831956	BRCA1	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832355	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832356	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832357	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831957	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
831958	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Ambry Genetics (2017), Fulgent Genetics, Fulgent Genetics (2019), Integrated Genetics/Laboratory Corporation of America (2019)
831959	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2017), Invitae (2019)
832790	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Baylor Genetics (2017), Counsyl (2018), Mayo Clinic Genetic Testing Laboratories, Mayo Clinic (2018), Mendelics (2018)
832791	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
832792	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2013), Invitae (2013), Mayo Clinic Genetic Testing Laboratories, Mayo Clinic (2018), Counsyl (2018), EGL Genetic Diagnostics, Eurofins Clinical Diagnostics (2018)
831960	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2018), GeneDx (2018)
831961	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831962	BRCA2	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2017), Counsyl (2018), Invitae (2019)
832358	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832359	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832360	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
827991	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), GeneDx (2017)
827992	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Color (2018)
827993	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
832793	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCR) (2013), Counsyl (2015), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Integrated Genetics/Laboratory Corporation of America (2018), Genome Diagnostics Laboratory, University Medical Center Utrecht (2018)
832794	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Human Genome Sequencing Center Clinical Lab, Baylor College of Medicine (2018)
832795	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Sharing Clinical Reports Project (SCR) (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Counsyl (2018)
831963	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Ambry Genetics (2017), Color (2019), Invitae (2019)
831964	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2017), Invitae (2018)
831965	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2017), Invitae (2018)
832796	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Genologica Medica (2017)
832797	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Counsyl (2018), Mendelics (2018)
832798	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Counsyl (2018)
832361	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832362	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832363	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832799	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Sharing Clinical Reports Project (SCR) (2016), GeneDx (2017)
832800	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017), Counsyl (2018), Mendelics (2018), Fulgent Genetics, Fulgent Genetics (2019)
832801	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017), Counsyl (2018)
831966	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2017), Invitae (2019)
831967	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Ambry Genetics (2017), Invitae (2018), Color (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
831968	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2017), Invitae (2018)
832802	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), GeneDx (2016), Counsyl (2018), Integrated Genetics/Laboratory Corporation of America (2018)
832803	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 26467025, Sharing Clinical Reports Project (SCR) (2013), Ambry Genetics (2016), Counsyl (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019), Integrated Genetics/Laboratory Corporation of America (2019)
832804	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), GeneDx (2017), Counsyl (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
832364	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832365	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832366	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831969	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2017), Invitae (2019)
831970	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2017), Invitae (2019)
831971	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2017), Counsyl (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832805	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCR) (2014), Ambry Genetics (2015), GeneDx (2017), Counsyl (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
832806	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 26467025, 26845104, 28492532, Sharing Clinical Reports Project (SCR) (2013), Ambry Genetics (2015), Counsyl (2017), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Integrated Genetics/Laboratory Corporation of America (2018)
832807	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 28492532, Invitae (2013), Sharing Clinical Reports Project (SCR) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017), Mendelics (2018)
832367	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832368	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832369	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831972	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831973	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831974	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827994	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827995	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827996	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
832808	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Counsyl (2018)
832809	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCR) (2013), Ambry Genetics (2014), Michigan Medical Genetics Laboratories, University of Michigan (2016), GeneDx (2016), Fulgent Genetics, Fulgent Genetics (2019)
832810	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Genome Diagnostics Laboratory, University Medical Center Utrecht (2018), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018)
832370	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832371	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832372	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Color (2019)
831975	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831976	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831977	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832811	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Department of Pathology and Laboratory Medicine, Sinai Health System (2017)
832812	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCR) (2013), Ambry Genetics (2015), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018), Fulgent Genetics, Fulgent Genetics (2019)
832813	BRCA2	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCR) (2013), Counsyl (2017), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Integrated Genetics/Laboratory Corporation of America (2018), Genome Diagnostics Laboratory, University Medical Center Utrecht (2018)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
832373	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832374	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832375	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831978	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831979	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831980	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832814	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2016), Ambry Genetics (2016), Counsyl (2018), Integrated Genetics/Laboratory Corporation of America (2018), Mendelics (2018)
832815	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2018), Genomic Research Center, Shahid Beheshti University of Medical Sciences (2018)
832816	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2014), GeneDx (2015), Counsyl (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
832376	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832377	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832378	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832817	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Counsyl (2018), Integrated Genetics/Laboratory Corporation of America (2019)
832818	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Department of Pathology and Laboratory Medicine, Sinai Health System (2017)
832819	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Invitae (2013), Ambry Genetics (2015), GeneDx (2017), Counsyl (2018)
831981	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Counsyl (2018), GeneDx (2018)
831982	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831983	BRCA1	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827997	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Fulgent Genetics,Fulgent Genetics (2019)
827998	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827999	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory,Women's College Hospital, University of Toronto (2017)
832379	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832380	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832381	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Counsyl (2018), Invitae (2019)
832820	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Genologica Medica (2017)
832821	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Integrated Genetics/Laboratory Corporation of America (2018)
832822	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 26845104, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2015), Counsyl (2018), Genome Diagnostics Laboratory,University Medical Center Utrecht (2018), Mendelics (2018)
831984	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Color (2018), Invitae (2019)
831985	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Color (2018), Invitae (2019)
831986	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832382	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832383	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832384	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832823	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Bioinformatics dept.,Datar Cancer Genetics Limited, India (2017)

Your Genetic Testing Data

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
828002	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832829	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017)
832830	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2015), Michigan Medical Genetics Laboratories, University of Michigan (2016), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Counsyl (2018)
832831	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Counsyl (2018), Mendelics (2018)
832388	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832389	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832390	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832832	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Genologica Medica (2017)
832833	BRCA1	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2015), Counsyl (2017), Ambry Genetics (2017)
832834	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Invitae (2013), Ambry Genetics (2017), Mayo Clinic Genetic Testing Laboratories, Mayo Clinic (2018), Counsyl (2018), EGL Genetic Diagnostics, Eurofins Clinical Diagnostics (2018)
831993	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Integrated Genetics/Laboratory Corporation of America (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831994	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Integrated Genetics/Laboratory Corporation of America (2018), Invitae (2019)
831995	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828003	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828004	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2017), ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828005	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2015), Michigan Medical Genetics Laboratories, University of Michigan (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Fulgent Genetics, Fulgent Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
832391	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832392	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	21681106
832393	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832835	BRCA1	T	C	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2017), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2019)
832836	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), GeneDx (2017), Counsyl (2018), Integrated Genetics/Laboratory Corporation of America (2018)
832837	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Counsyl (2017), Ambry Genetics (2017)
831996	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831997	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
831998	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832394	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832395	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832396	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2018), Integrated Genetics/Laboratory Corporation of America (2019)
828006	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828007	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017)
828008	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
832838	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
832839	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2018)
832840	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Color (2018)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
832397	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832398	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832399	BRCA2	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
828009	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Mendelics (2018)
828010	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017)
828011	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
831999	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832000	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832001	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Integrated Genetics/Laboratory Corporation of America (2018), Invitae (2018)
832841	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Sharing Clinical Reports Project (SCRP) (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), GeneKor MSA (2018)
832842	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
832843	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	24884479, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Invitae (2013), Ambry Genetics (2015), Counsyl (2018), Mendelics (2018)
832400	BRCA1	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832401	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832402	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2018), Integrated Genetics/Laboratory Corporation of America (2019)
832002	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832003	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832004	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Integrated Genetics/Laboratory Corporation of America (2018), Invitae (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
832844	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Counsyl (2018)
832845	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2018), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018), DNA and Cytogenetics Diagnostics Unit, Erasmus Medical Center (2018)
832846	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 25741868, 26845104, 28492532, Sharing Clinical Reports Project (SCR) (2013), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Counsyl (2018), Integrated Genetics/Laboratory Corporation of America (2018), Human Genome Sequencing Center Clinical Lab, Baylor College of Medicine (2018)
832403	BRCA2	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832404	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832405	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
828012	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828013	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828014	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832005	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832006	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832007	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832847	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Counsyl (2018)
832848	BRCA1	T	C	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2015), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Ambry Genetics (2017), Foulkes Cancer Genetics LDI, Lady Davis Institute for Medical Research (2018)
832849	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Counsyl (2018)
832008	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832009	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
832010	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832406	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832407	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832408	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
828015	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Division Human Genetics, Medical University Innsbruck (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828016	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828017	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Breast Cancer Information Core (BIC) (BRCA2) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Ambry Genetics (2017), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2019)
832850	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, Genomic Research Center, Shahid Beheshti University of Medical Sciences (2014), Sharing Clinical Reports Project (SCRP) (2016), GeneDx (2016), Ambry Genetics (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
832851	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneKor MSA (2018)
832852	BRCA1	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Invitae (2013), Ambry Genetics (2016), GeneDx (2017), Counsyl (2018)
832011	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832012	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Integrated Genetics/Laboratory Corporation of America (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
832013	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832853	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2017), Counsyl (2018), Integrated Genetics/Laboratory Corporation of America (2018), Genome Diagnostics Laboratory, University Medical Center Utrecht (2018)
832854	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2014), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2017), Genome Diagnostics Laboratory, University Medical Center Utrecht (2018)
832855	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
832409	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832410	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
832411	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832014	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832015	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832016	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832856	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2015), Invitae (2015), GeneDx (2017)
832857	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Medical Genetics, Oslo University Hospital (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
832017	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Integrated Genetics/Laboratory Corporation of America (2018), Invitae (2018)
832018	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832019	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018), DNA and Cytogenetics Diagnostics Unit, Erasmus Medical Center (2018)
832412	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832413	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832414	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832858	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Counsyl (2018), Color (2019)
832859	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
832860	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2015), GeneDx (2016), Genome Diagnostics Laboratory, University Medical Center Utrecht (2018), Human Genome Sequencing Center Clinical Lab, Baylor College of Medicine (2018)
832020	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018), DNA and Cytogenetics Diagnostics Unit, Erasmus Medical Center (2018)
832021	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
832022	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Genomic Research Center, Shahid Beheshti University of Medical Sciences (2018), Academic Center for Education, Culture and Research, Motamed Cancer Institute (2019)
832415	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832416	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832417	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832023	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832024	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832025	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832861	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Sharing Clinical Reports Project (SCR) (2013), Invitae (2013), Ambry Genetics (2014), GeneDx (2015), Counsyl (2017)
832862	BRCA1	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Illumina Clinical Services Laboratory, Illumina (2019)
832863	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017), Counsyl (2018)
828018	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828019	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828020	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
832418	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832419	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832420	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832026	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832027	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832028	BRCA2	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832421	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832422	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Invitae (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
832423	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832864	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2017), Counsyl (2018), Integrated Genetics/Laboratory Corporation of America (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
832865	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Sharing Clinical Reports Project (SCRP) (2013), GeneDx (2016), Ambry Genetics (2017), Human Genome Sequencing Center Clinical Lab, Baylor College of Medicine (2018), Integrated Genetics/Laboratory Corporation of America (2019)
832866	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Invitae (2013), Baylor Genetics (2017), Fulgent Genetics, Fulgent Genetics (2017), Counsyl (2018)
828021	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017)
828022	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
828023	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
832029	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832030	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832031	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832424	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832425	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832426	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832032	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2018), Counsyl (2018)
832033	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Invitae (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019), Color (2019)
832034	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832867	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, Sharing Clinical Reports Project (SCRP) (2014), Ambry Genetics (2014), Integrated Genetics/Laboratory Corporation of America (2018), Human Genome Sequencing Center Clinical Lab, Baylor College of Medicine (2018), GeneDx (2018)
832868	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2015), GeneDx (2017), Genome Diagnostics Laboratory, University Medical Center Utrecht (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
832869	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Counsyl (2017), GeneDx (2018)
828024	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828025	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828026	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Integrated Genetics/Laboratory Corporation of America (2018)
832427	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832428	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832429	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832035	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832036	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832037	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832430	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832431	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832432	BRCA1	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832870	BRCA1	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Counsyl (2018)
832871	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Sharing Clinical Reports Project (SCRP) (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2017), Mendelics (2018)
832872	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2013), Sharing Clinical Reports Project (SCRP) (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2017), Counsyl (2018)
828027	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828028	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828029	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
832038	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832039	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832040	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2018), GeneDx (2018)
832433	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832434	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832435	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832041	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832042	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832043	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832873	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Mendelics (2018)
832874	BRCA1	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2013), Ambry Genetics (2015), Sharing Clinical Reports Project (SCRP) (2016), GeneDx (2016), Counsyl (2018)
832875	BRCA1	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Ambry Genetics (2014), Counsyl (2018), GeneDx (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019), Integrated Genetics/Laboratory Corporation of America (2019)
828030	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
828031	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Color (2018)
828032	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
832044	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832045	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832046	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832876	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Sharing Clinical Reports Project (SCRP) (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), GeneDx (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
832877	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	24884479, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2014), GeneDx (2015), Mendelics (2018), Fulgent Genetics, Fulgent Genetics (2019)
832878	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Laboratory of Molecular Diagnosis of Cancer, West China Hospital, Sichuan University (2016), Ambry Genetics (2017), Counsyl (2018)
832436	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832437	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832438	BRCA2	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832439	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
828033	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828034	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2018)
828035	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2014), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2018), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019)
832047	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2018), Color (2019)
832048	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832049	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832879	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2014), GeneDx (2016), Counsyl (2018), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019)
832880	BRCA1	T	C	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2015)
832881	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
832440	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832441	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832442	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
832050	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2018), Color (2019)
832051	BRCA2	T	C	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832052	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Invitae (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
832882	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	11157798, 11157798, 25472942, 25472942, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Baylor Genetics (2017), Genome Diagnostics Laboratory, University Medical Center Utrecht (2018), OMIM (2018), OMIM (2018)
832883	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2015), Counsyl (2017), Human Genome Sequencing Center Clinical Lab, Baylor College of Medicine (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
832884	BRCA1	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	24884479, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Division Human Genetics, Medical University Innsbruck (2015), Baylor Genetics (2017), Counsyl (2018), Integrated Genetics/Laboratory Corporation of America (2018)
828036	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828037	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), 3DMed Clinical Laboratory Inc (2018)
828038	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2018)
832443	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832444	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832445	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832053	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832054	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832055	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832885	BRCA1	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
832886	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCR) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Medical Genetics, Oslo University Hospital (2017)
832887	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Counsyl (2017), Ambry Genetics (2017)
832056	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832057	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832058	BRCA1	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832446	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832447	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832448	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
828039	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828040	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828041	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Pathology and Laboratory Medicine, Sinai Health System (2017)
832888	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2019)
832889	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Sharing Clinical Reports Project (SCR) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Integrated Genetics/Laboratory Corporation of America (2019)
832890	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCR) (2013), Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Integrated Genetics/Laboratory Corporation of America (2018), Fulgent Genetics, Fulgent Genetics (2019)
832059	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832060	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
832061	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832449	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Invitae (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
832450	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832451	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832891	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832892	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Medical Genetics, Oslo University Hospital (2017)
832893	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	23469205, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Division Human Genetics, Medical University Innsbruck (2015), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2018), Genome Diagnostics Laboratory, University Medical Center Utrecht (2018)
832062	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2018), GeneDx (2018)
832063	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832064	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832894	BRCA1	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2015), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2018), Counsyl (2018)
832895	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
832896	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Genologica Medica (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
832452	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832453	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832454	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832065	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
832066	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832067	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2018), GeneDx (2018)
828042	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), GeneDx (2016), Counsyl (2017), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2018)
828043	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Breast Cancer Information Core (BIC) (BRCA2) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
828044	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Department of Pathology and Laboratory Medicine, Sinai Health System (2017)
832897	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, GeneDx (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Counsyl (2018), Integrated Genetics/Laboratory Corporation of America (2019)
832898	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	24884479, 25741868, 25741868, 25741868, 25741868, 28492532, Michigan Medical Genetics Laboratories, University of Michigan (2016), Sharing Clinical Reports Project (SCRP) (2016), Counsyl (2018), Integrated Genetics/Laboratory Corporation of America (2018), Mendelics (2018)
832899	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Counsyl (2018)
832455	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832456	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832457	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832900	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
832901	BRCA1	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Invitae (2013), Sharing Clinical Reports Project (SCRP) (2014), Counsyl (2015), Ambry Genetics (2015), GeneDx (2017)
832902	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2017), Counsyl (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
832068	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832069	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832070	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
828045	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828046	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828047	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
832458	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832459	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832460	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832903	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	10417303, 25741868, 25741868, 25741868, 26467025, 28492532, OMIM (2011), Baylor Genetics (2017), Counsyl (2018), Integrated Genetics/Laboratory Corporation of America (2018), Human Genome Sequencing Center Clinical Lab, Baylor College of Medicine (2018)
832904	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Counsyl (2018)
832905	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Sharing Clinical Reports Project (SCRP) (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
832071	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832072	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832073	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832461	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832462	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832463	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832906	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016), Counsyl (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
832907	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Genomic Research Center, Shahid Beheshti University of Medical Sciences (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
832908	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Counsyl (2018), Invitae (2019)
828048	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Counsyl (2017)
828049	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828050	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Division Human Genetics, Medical University Innsbruck (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
832074	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832075	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832076	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832909	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	12474142, 25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, OMIM (2011), Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2015), Michigan Medical Genetics Laboratories, University of Michigan (2016), Counsyl (2018)
832910	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2014), Invitae (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Counsyl (2018)
832911	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRP) (2013), Michigan Medical Genetics Laboratories, University of Michigan (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Counsyl (2017)
832077	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832078	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832079	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832080	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832464	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832465	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832466	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2018), Integrated Genetics/Laboratory Corporation of America (2019)
832912	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2014), Pathway Genomics (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Counsyl (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
832913	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Sharing Clinical Reports Project (SCR) (2014), Ambry Genetics (2016), Counsyl (2017), Invitae (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
832914	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Genologica Medica (2017)
832081	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832082	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832083	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832084	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832467	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832468	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832469	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832915	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Division Human Genetics, Medical University Innsbruck (2015), Invitae (2017), Counsyl (2018), GeneDx (2018)
832916	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Ambry Genetics (2016), GeneDx (2017), Invitae (2017), Integrated Genetics/Laboratory Corporation of America (2018)
828051	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828052	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
828053	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
832085	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832086	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832087	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832088	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832089	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832090	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
832091	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832470	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832471	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832472	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832473	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
828054	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828055	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828056	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2018)
832092	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832093	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832094	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), GeneDx (2018)
832474	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832475	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832476	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832477	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832095	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, GeneDx (2018), Invitae (2019)
832096	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2018), GeneDx (2018), Color (2019)
832097	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, GeneDx (2018), Invitae (2019)
832478	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832479	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832480	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832481	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828057	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828058	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
828059	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832098	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, GeneDx (2018), Invitae (2019)
832099	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2018), Integrated Genetics/Laboratory Corporation of America (2019)
832100	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832101	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832102	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832103	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832482	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832483	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832484	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832485	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832104	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832105	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832106	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828060	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828061	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828062	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
832486	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832487	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
832488	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832489	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832107	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832108	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832109	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832110	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832111	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832112	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832490	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832491	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832492	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832493	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832113	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832114	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832115	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828063	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Michigan Medical Genetics Laboratories, University of Michigan (2016), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828064	BRCA2	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Medical Genetics, Oslo University Hospital (2017)
828065	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Ambry Genetics (2016), GeneDx (2016), Counsyl (2018), Integrated Genetics/Laboratory Corporation of America (2018), Mendelics (2018)
832494	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832495	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832496	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828066	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Pathology and Laboratory Medicine, Sinai Health System (2017)
828067	BRCA2	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828068	BRCA2	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
832497	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832498	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832499	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828069	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828070	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Color (2019)
828071	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2019)
832500	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832501	BRCA2	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832502	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828072	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828073	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), GeneDx (2017)
828074	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017)
832503	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832504	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832505	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828075	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828076	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828077	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Ambry Genetics (2015), Michigan Medical Genetics Laboratories, University of Michigan (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017)
832506	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832507	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832508	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Core Molecular Diagnostic Lab, McGill University Health Centre (2018), Color (2019)
832509	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832510	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832511	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832512	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832513	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832514	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828078	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828079	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828080	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832515	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832516	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832517	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Quest Diagnostics Nichols Institute San Juan Capistrano (2019), Integrated Genetics/Laboratory Corporation of America (2019)
828081	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828082	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2018), 3DMed Clinical Laboratory Inc (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828083	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
832518	BRCA2	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832519	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832520	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832521	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832522	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832523	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832524	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828084	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828085	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), GeneDx (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828086	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832525	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832526	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Integrated Genetics/Laboratory Corporation of America (2019), Invitae (2019)
832527	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828087	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
828088	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828089	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Sharing Clinical Reports Project (SCR) (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
832528	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832529	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
832530	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828090	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Veritas Genetics, Veritas Genetics (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828091	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Sharing Clinical Reports Project (SCR) (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Integrated Genetics/Laboratory Corporation of America (2019)
828092	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832531	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832532	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832533	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832534	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832535	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832536	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828093	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
828094	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
828095	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
832537	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832538	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832539	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828096	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2018), Color (2019)
828097	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828098	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
832540	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832541	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832542	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832543	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832544	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832545	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828099	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Color (2019)
828100	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828101	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
832546	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832547	BRCA2	T	C	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832548	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828102	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828103	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828104	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRIP) (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
832549	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832550	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832551	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
832552	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832553	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832554	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828105	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Invitae (2013), GeneDx (2015), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Integrated Genetics/Laboratory Corporation of America (2017)
828106	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
828107	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Sharing Clinical Reports Project (SCR) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
832555	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832556	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
832557	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828108	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2018)
828109	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828110	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
832558	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832559	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832560	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832561	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
828111	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Fulgent Genetics, Fulgent Genetics (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828112	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
828113	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
832562	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832563	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832564	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832565	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
828114	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), GeneKor MSA (2018)
828115	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Ambry Genetics (2014), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2019), Color (2019)
828116	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
832566	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832567	BRCA2	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832568	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832569	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832570	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
832571	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532
828117	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828118	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828119	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), GeneKor MSA (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828120	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828121	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Mendelics (2018)
828122	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCR) (2013), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Counsyl (2017), Department of Medical Genetics, Oslo University Hospital (2017)
828123	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828124	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Color (2019)
828125	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828126	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828127	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828128	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828129	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828130	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828131	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828132	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	24884479, Breast Cancer Information Core (BIC) (BRCA2) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), A.C.Camargo Cancer Center / LGBM, A.C.Camargo Cancer Center (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828133	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Integrated Genetics/Laboratory Corporation of America (2018)
828134	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828135	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneKor MSA (2018)
828136	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828137	BRCA2	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017)
828138	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828139	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Color (2018)
828140	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018), DNA and Cytogenetics Diagnostics Unit, Erasmus Medical Center (2018)
828141	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828142	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828143	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828144	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2018)
828145	BRCA2	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828146	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017)
828147	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828148	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828149	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneKor MSA (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828150	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828151	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828152	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Quest Diagnostics Nichols Institute San Juan Capistrano (2016), GeneKor MSA (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2016), Ambry Genetics (2017)
828153	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), 3DMed Clinical Laboratory Inc (2018)
828154	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828155	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26845104, 28492532, 7894492, OMIM (2011), Sharing Clinical Reports Project (SCR) (2012), Curoverse (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828156	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Integrated Genetics/Laboratory Corporation of America (2018)
828157	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828158	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828159	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828160	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Ambry Genetics (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Integrated Genetics/Laboratory Corporation of America (2019)
828161	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Department of Medical Genetics, Oslo University Hospital (2017), GeneDx (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828162	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneKor MSA (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Medical Genetics, Oslo University Hospital (2017), GeneDx (2017)
828163	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828164	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017)
828165	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828166	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Department of Medical Genetics, Oslo University Hospital (2017), Ambry Genetics (2017)
828167	BRCA1	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828168	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828169	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828170	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828171	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828172	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Color (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828173	BRCA1	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2015), Fulgent Genetics, Fulgent Genetics (2019)
828998	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Medical Genetics, Oslo University Hospital (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
828999	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829000	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
828174	BRCA1	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015)
828175	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828176	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	29712865, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), OMIM (2019)
829001	BRCA1	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2019)
829002	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829003	BRCA1	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828177	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), GeneDx (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), German Consortium for Hereditary Breast and Ovarian Cancer Center Cologne,University Hospital Cologne (2019)
828178	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828179	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), German Consortium for Hereditary Breast and Ovarian Cancer Center Cologne,University Hospital Cologne (2019)
829004	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Counsyl (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829005	BRCA1	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCR) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Cancer Genetics and Genomics Laboratory,British Columbia Cancer Agency (2017)
829006	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828180	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828181	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828182	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Integrated Genetics/Laboratory Corporation of America (2019)
829007	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829008	BRCA1	T	C	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2017), University of Washington Department of Laboratory Medicine, University of Washington (2019), Color (2019)
829009	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, 7894493, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Counsyl (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828183	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828184	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828185	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828186	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019), Integrated Genetics/Laboratory Corporation of America (2019)
828187	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Medical Genetics, Oslo University Hospital (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828188	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828189	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828190	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828191	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Sharing Clinical Reports Project (SCR) (2013), Ambry Genetics (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Foulkes Cancer Genetics LD1, Lady Davis Institute for Medical Research (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
828192	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
828193	BRCA1	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828194	BRCA1	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), German Consortium for Hereditary Breast and Ovarian Cancer Center Cologne, University Hospital Cologne (2019)
828195	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018)
828196	BRCA1	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), German Consortium for Hereditary Breast and Ovarian Cancer Center Cologne, University Hospital Cologne (2019)
828197	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828198	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828199	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828200	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828201	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828202	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Counsyl (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828203	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Color (2018)
828204	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Genetic Services Laboratory, University of Chicago (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828205	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828206	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828207	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017)
828208	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017)
828209	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828210	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Sharing Clinical Reports Project (SCR) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
828211	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	29712865, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), OMIM (2019)
828212	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Department of Medical Genetics, Oslo University Hospital (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828213	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828214	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Integrated Genetics/Laboratory Corporation of America (2018)
828215	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
828216	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018)
828217	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828218	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 25741868, 26467025, Sharing Clinical Reports Project (SCR) (2013), Michigan Medical Genetics Laboratories, University of Michigan (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), GeneKor MSA (2016), Counsyl (2018)
828219	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828220	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
828221	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828222	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2018)
828223	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828224	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017)
828225	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017)
828226	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828227	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828228	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828229	BRCA1	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018)
828230	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
828231	BRCA1	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018)
828232	BRCA1	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828233	BRCA1	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828234	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828235	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828236	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828237	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	24884479, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2016), A.C.Camargo Cancer Center / LGBM, A.C.Camargo Cancer Center (2017), Integrated Genetics/Laboratory Corporation of America (2018), GeneDx (2018)
828238	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828239	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory,Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828240	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2018)
828241	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Michigan Medical Genetics Laboratories,University of Michigan (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828242	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2016), GeneDx (2017), Ambry Genetics (2017), Research Molecular Genetics Laboratory,Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828243	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Research Molecular Genetics Laboratory,Women's College Hospital, University of Toronto (2017), Department of Pathology and Molecular Medicine,Queen's University (2017), Color (2019)
828244	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828245	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828246	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Integrated Genetics/Laboratory Corporation of America (2018)
828247	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828248	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828249	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Centro de Genética y Biología Molecular,Universidad de San Martín de Porres (2016), Department of Medical Genetics,Oslo University Hospital (2017), Integrated Genetics/Laboratory Corporation of America (2019)
828250	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Sharing Clinical Reports Project (SCR) (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
828251	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Invitae (2013), Sharing Clinical Reports Project (SCR) (2014), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828252	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828253	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828254	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Medical Genetics, Oslo University Hospital (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828255	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017), 3DMed Clinical Laboratory Inc (2018)
828256	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828257	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Mendelics (2018)
828258	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828259	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828260	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828261	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
828262	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828263	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828264	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Amby Genetics (2017), Color (2019)
828265	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828266	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828267	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828268	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828269	BRCA1	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018), Color (2018)
828270	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Amby Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828271	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828272	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828273	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828274	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Amby Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828275	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828276	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828277	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Quest Diagnostics Nichols Institute San Juan Capistrano (2016), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Integrated Genetics/Laboratory Corporation of America (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828278	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828279	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828280	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828281	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828282	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Sharing Clinical Reports Project (SCRP) (2013), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Ambry Genetics (2017), GeneKor MSA (2018), Mendelics (2018)
828283	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018), German Consortium for Hereditary Breast and Ovarian Cancer Center Cologne, University Hospital Cologne (2019)
828284	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828285	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828286	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Color (2018)
828287	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
828288	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828289	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2019)
828290	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828291	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), GeneDx (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
828292	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
828293	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828294	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
828295	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
828296	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829010	BRCA1	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829011	BRCA1	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829012	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829013	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829014	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829015	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829016	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829017	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829018	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829019	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829020	BRCA1	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Institute for Biomarker Research, Medical Diagnostic Laboratories, L.L.C. (2017), Ambry Genetics (2017), Color (2019)
829021	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829022	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Counsyl (2017), GeneDx (2017)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
829023	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Sharing Clinical Reports Project (SCR) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2018)
829024	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829025	BRCA1	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Integrated Genetics/Laboratory Corporation of America (2018)
829026	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829027	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829028	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829029	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneKor MSA (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829030	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827327	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827328	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827329	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
827330	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, Sharing Clinical Reports Project (SCR) (2013), Ambry Genetics (2015), Michigan Medical Genetics Laboratories, University of Michigan (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), GeneDx (2017)
827331	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), German Consortium for Hereditary Breast and Ovarian Cancer Center Cologne, University Hospital Cologne (2019)
827332	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Department of Pathology and Laboratory Medicine, Sinai Health System (2017)
827333	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
827334	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827335	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
827336	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827337	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCR) (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Invitae (2019)
827338	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2016), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
827339	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827340	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827341	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2019)
827342	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCR) (2013), Invitae (2013), Ambry Genetics (2016), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
827343	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827344	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
827345	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Medical Genetics, Oslo University Hospital (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
827346	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827347	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827348	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Breast Cancer Information Core (BIC) (BRCA2) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827349	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
827350	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827351	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Integrated Genetics/Laboratory Corporation of America (2018)
827352	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
827353	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827354	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRP) (2013), GeneDx (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Ambry Genetics (2017), PreventionGenetics, PreventionGenetics (2018)
827355	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), GeneDx (2018), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019)
827356	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829031	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829032	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829033	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Color (2018)
829034	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Department of Medical Genetics, Oslo University Hospital (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829035	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829036	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), 3DMed Clinical Laboratory Inc (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
829037	BRCA1	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829038	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829039	BRCA1	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829040	BRCA1	T	C	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRP) (2016), GeneDx (2017), Color (2019)
829041	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2017)
829042	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829043	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829044	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829045	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Centre for Mendelian Genomics, University Medical Centre Ljubljana (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829046	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Department of Medical Genetics, Oslo University Hospital (2017)
829047	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829048	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2016), GeneDx (2017)
829049	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017)
829050	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Department of Pathology and Laboratory Medicine, Sinai Health System (2017)
829051	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
829052	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2017), ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829053	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2019)
829054	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829055	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829056	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829057	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Sharing Clinical Reports Project (SCR) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Ambry Genetics (2017)
829058	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2016), Ambry Genetics (2017)
829059	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829060	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829061	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Veritas Genetics, Veritas Genetics (2017), GeneDx (2018)
829062	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829063	BRCA1	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Sharing Clinical Reports Project (SCR) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829064	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829065	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
829066	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829067	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRIP) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2018)
829068	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829069	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRIP) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Laboratory of Molecular Diagnosis of Cancer, West China Hospital, Sichuan University (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829070	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829071	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829072	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829073	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829074	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, GeneDx (2013), Ambry Genetics (2017), Invitae (2018)
829075	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2018), Mayo Clinic Genetic Testing Laboratories, Mayo Clinic (2018)
829076	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Sharing Clinical Reports Project (SCRIP) (2013), GeneDx (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), PreventionGenetics, PreventionGenetics (2018)
829077	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, GeneDx (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Invitae (2018), Color (2019)
829078	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, GeneDx (2013), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017)
829079	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, GeneDx (2013), Invitae (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Integrated Genetics/Laboratory Corporation of America (2018)
829080	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, GeneDx (2013), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
829081	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, GeneDx (2013), Invitae (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829082	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2013), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829083	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829084	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829085	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829086	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Integrated Genetics/Laboratory Corporation of America (2018)
829087	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2018)
829088	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829089	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Department of Medical Genetics, Oslo University Hospital (2017), Ambry Genetics (2017), GeneDx (2018)
829090	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), GeneDx (2017)
829091	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829092	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829093	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Invitae (2019)
827357	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827358	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Invitae (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827359	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Sharing Clinical Reports Project (SCR) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017)
827360	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827361	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCR) (2013), Invitae (2013), Ambry Genetics (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Counsyl (2017)
827362	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827363	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
827364	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2016), Counsyl (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827365	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Color (2018)
827366	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827367	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827368	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827369	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827370	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827371	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Invitae (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), GeneDx (2017)
827372	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827373	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCR) (2013), Invitae (2013), GeneDx (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Ambry Genetics (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827374	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827375	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827376	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827377	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Ambry Genetics (2017), GeneDx (2018), Integrated Genetics/Laboratory Corporation of America (2018)
827378	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827379	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
827380	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827381	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827382	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRIP) (2013), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Integrated Genetics/Laboratory Corporation of America (2018)
827383	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827384	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827385	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827386	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827387	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827388	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, 29116469, 29907814, Invitae (2013), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), A.C.Camargo Cancer Center / LGBM, A.C.Camargo Cancer Center (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827389	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Integrated Genetics/Laboratory Corporation of America (2018)
829094	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017), Color (2018)
829095	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829096	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827390	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827391	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827392	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829097	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829098	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2013), GeneDx (2017), Invitae (2019)
829099	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827393	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827394	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827395	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829100	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
829101	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
829102	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
827396	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827397	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827398	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Department of Pathology and Laboratory Medicine, Sinai Health System (2017)
829103	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), GeneKor MSA (2018)
829104	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2019)
829105	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
827399	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
827400	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
827401	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829106	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829107	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2018)
829108	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827402	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827403	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827404	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Sharing Clinical Reports Project (SCRP) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829109	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Medical Genetics, Oslo University Hospital (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
829110	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Curoverse (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829111	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829112	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017)
829113	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2018), GeneKor MSA (2018)
829114	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2013), Invitae (2015), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829115	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829116	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2019)
829117	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829118	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Integrated Genetics/Laboratory Corporation of America (2018), Invitae (2018)
829119	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Department of Pathology and Laboratory Medicine, Sinai Health System (2017)
829120	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	24884479, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), A.C.Camargo Cancer Center / LGBM, A.C.Camargo Cancer Center (2017), Mendelics (2018)
827405	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), 3DMed Clinical Laboratory Inc (2018)
827406	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Baylor Genetics (2017), Department of Medical Genetics, Oslo University Hospital (2017), Counsyl (2018), Integrated Genetics/Laboratory Corporation of America (2018)
827407	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Integrated Genetics/Laboratory Corporation of America (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827408	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambr Genetics (2017), GeneDx (2017)
827409	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017), 3DMed Clinical Laboratory Inc (2018)
827410	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Department of Pathology and Laboratory Medicine, Sinai Health System (2017)
827411	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRP) (2014), Ambr Genetics (2015), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Mendelics (2018)
827412	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827413	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827414	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Ambr Genetics (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017)
827415	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827416	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827417	BRCA2	T	C	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambr Genetics (2015), Counsyl (2018), Integrated Genetics/Laboratory Corporation of America (2019)
827418	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Invitae (2013), Ambr Genetics (2014), Mendelics (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019), Integrated Genetics/Laboratory Corporation of America (2019)
827419	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827420	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambr Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827421	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827422	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Department of Pathology and Molecular Medicine, Queen's University (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827423	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	9585617, OMIM (2011), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827424	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827425	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827426	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827427	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827428	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827429	BRCA2	T	C	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
827430	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), GeneDx (2017), Mendelics (2018)
827431	BRCA2	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Integrated Genetics/Laboratory Corporation of America (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
827432	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2013), Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827433	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, GeneDx (2015), Counsyl (2017), Ambry Genetics (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019), Integrated Genetics/Laboratory Corporation of America (2019)
827434	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
827435	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2018)
827436	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827437	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2013), Sharing Clinical Reports Project (SCR) (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2019)
827438	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827439	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Integrated Genetics/Laboratory Corporation of America (2018), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019)
827440	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827441	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827442	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827443	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827444	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
827445	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827446	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827447	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
827448	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827449	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Division Human Genetics, Medical University Innsbruck (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827450	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Integrated Genetics/Laboratory Corporation of America (2019)
827451	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
827452	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827453	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827454	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2018)
827455	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827456	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827457	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2018)
827458	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827459	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018)
827460	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Breast Cancer Information Core (BIC) (BRCA2) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), GeneDx (2018)
829121	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829122	BRCA1	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829123	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827461	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827462	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017)
827463	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829124	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
829125	BRCA1	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2019)
829126	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2018), Integrated Genetics/Laboratory Corporation of America (2019)
827464	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827465	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Color (2019)
827466	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2013), GeneKor MSA (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829127	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829128	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829129	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827467	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827468	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Integrated Genetics/Laboratory Corporation of America (2018)
827469	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018), DNA and Cytogenetics Diagnostics Unit, Erasmus Medical Center (2018)
827470	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, 28492532, Ambry Genetics (2015), GeneDx (2015), Counsyl (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Genome Diagnostics Laboratory, University Medical Center Utrecht (2018)
827471	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
827472	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829130	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829131	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
829132	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827473	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827474	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
827475	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829133	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2013), Ambry Genetics (2014), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829134	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCR) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2018)
829135	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCR) (2013), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017)
827476	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827477	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Sharing Clinical Reports Project (SCR) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
827478	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829136	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829137	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829138	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827479	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827480	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827481	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829139	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
829140	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCR) (2013), Counsyl (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2018)
829141	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827482	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018), DNA and Cytogenetics Diagnostics Unit, Erasmus Medical Center (2018)
827483	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827484	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829142	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829143	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829144	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCR) (2013), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambr Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2019)
827485	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827486	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827487	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829145	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 26467025, 28492532, Ambr Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2018), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
829146	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829147	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCR) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Color (2019)
827488	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827489	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827490	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829148	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
829149	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829150	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Fulgent Genetics, Fulgent Genetics (2019)
827491	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827492	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827493	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829151	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829152	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneKor MSA (2018)
829153	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), GeneDx (2017)
827494	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Counsyl (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827495	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2018), Invitae (2019)
827496	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829154	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014)
829155	BRCA1	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2013), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2018)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
829156	BRCA1	A	C	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCR) (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2017), Invitae (2018), Color (2018)
827497	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827498	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Counsyl (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827499	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829157	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCR) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Pathology and Laboratory Medicine,Sinai Health System (2017), Invitae (2018)
829158	BRCA1	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829159	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCR) (2013), GeneDx (2015), Research Molecular Genetics Laboratory,Women's College Hospital, University of Toronto (2017), Invitae (2019)
827500	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
827501	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827502	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Division Human Genetics,Medical University Innsbruck (2015), Sharing Clinical Reports Project (SCR) (2016), Ambry Genetics (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Integrated Genetics/Laboratory Corporation of America (2018)
829160	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2018), HudsonAlpha Institute for Biotechnology, HudsonAlpha Institute for Biotechnology (2019)
829161	BRCA1	T	C	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCR) (2013), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2018)
829162	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCR) (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
827503	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory,Women's College Hospital, University of Toronto (2017)
827504	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827505	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829163	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829164	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2018), Human Genome Sequencing Center Clinical Lab, Baylor College of Medicine (2018)
829165	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
827506	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827507	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827508	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Color (2019)
829166	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829167	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2017)
829168	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Medical Genetics, Oslo University Hospital (2017)
827509	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Counsyl (2018)
827510	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827511	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829169	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829170	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
829171	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Medical Genetics, Oslo University Hospital (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827512	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827513	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827514	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829172	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829173	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829174	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2018), Invitae (2018)
827515	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Department of Medical Genetics, Oslo University Hospital (2017), Ambry Genetics (2017), Color (2017)
827516	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827517	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829175	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2019)
829176	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017), Integrated Genetics/Laboratory Corporation of America (2018), GeneDx (2018)
829177	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827518	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827519	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827520	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829178	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829179	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017)
829180	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2013), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2019)
827521	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
827522	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827523	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829181	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2019)
829182	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2013), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829183	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Invitae (2017)
827524	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827525	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827526	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829184	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2013), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2018)
829185	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
829186	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCR) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), GeneDx (2017)
827527	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2017), GeneDx (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
827528	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Laboratory of Molecular Diagnosis of Cancer, West China Hospital, Sichuan University (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827529	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829187	BRCA2	A	G	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCR) (2013), GeneDx (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Invitae (2019)
829188	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCR) (2013), GeneDx (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017)
829189	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827530	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827531	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827532	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Integrated Genetics/Laboratory Corporation of America (2018)
829190	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCR) (2013), Ambry Genetics (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017)
829191	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829192	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCR) (2013), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2019)
827533	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827534	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Counsyl (2015), Ambry Genetics (2015), Department of Medical Genetics, Oslo University Hospital (2017), GeneDx (2018), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827535	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Ambry Genetics (2016), GeneDx (2017), Mendelics (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019), Integrated Genetics/Laboratory Corporation of America (2019)
829193	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829194	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829195	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2017)
827536	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827537	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Color (2019)
827538	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829196	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829197	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Sharing Clinical Reports Project (SCRP) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017)
829198	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017)
827539	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Ambry Genetics (2017), GeneDx (2017)
827540	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Color (2019)
827541	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Mendelics (2018)
827542	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827543	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827544	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Color (2018), Integrated Genetics/Laboratory Corporation of America (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827545	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Invitae (2013), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Integrated Genetics/Laboratory Corporation of America (2019)
827546	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Department of Pathology and Laboratory Medicine,Sinai Health System (2017)
827547	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Center for Reproductive Medicine,Shandong Provincial Hospital Affiliated to Shandong University (2019)
829199	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017), Counsyl (2018)
829200	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2014), Invitae (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829201	BRCA2	C	G	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Breast Cancer Information Core (BIC) (BRCA2) (2014), Sharing Clinical Reports Project (SCRP) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), GeneDx (2017)
827548	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Ambry Genetics (2016), Integrated Genetics/Laboratory Corporation of America (2019)
827549	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, GeneDx (2016), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), CeGaT Praxis fuer Humangenetik Tuebingen (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
827550	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Invitae (2013), Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), GeneDx (2017)
829202	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829203	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2018)
829204	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Sharing Clinical Reports Project (SCRP) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Integrated Genetics/Laboratory Corporation of America (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
827551	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Counsyl (2015), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Integrated Genetics/Laboratory Corporation of America (2018)
827552	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827553	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), 3DMed Clinical Laboratory Inc (2018), Academic Department of Medical Genetics, University of Cambridge (2019)
829205	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Invitae (2014), Sharing Clinical Reports Project (SCRP) (2014), Color (2018)
829206	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829207	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2018)
827554	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827555	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827556	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829208	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRP) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneKor MSA (2016)
829209	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829210	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2014), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
827557	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827558	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Integrated Genetics/Laboratory Corporation of America (2019)
827559	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017)
829211	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), GeneDx (2017)
829212	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2016), Ambry Genetics (2017), Color (2019)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
829213	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2014), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018), DNA and Cytogenetics Diagnostics Unit, Erasmus Medical Center (2018)
827560	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018), DNA and Cytogenetics Diagnostics Unit, Erasmus Medical Center (2018)
827561	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Ambry Genetics (2015), GeneDx (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Counsyl (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
827562	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829214	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), GeneDx (2018)
829215	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017), GeneDx (2017)
829216	BRCA2	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827563	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827564	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Bioinformatics dept., Datar Cancer Genetics Limited, India (2017), Integrated Genetics/Laboratory Corporation of America (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827565	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Ambry Genetics (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Integrated Genetics/Laboratory Corporation of America (2018), GeneDx (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
829217	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829218	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829219	BRCA1	G	C	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), 3DMed Clinical Laboratory Inc (2018), Color (2019), Invitae (2019)
827566	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827567	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827568	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829220	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
829221	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829222	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
827569	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Medical Genetics, Oslo University Hospital (2017), Ambry Genetics (2017)
827570	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829223	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829224	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Sharing Clinical Reports Project (SCRP) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Color (2019)
829225	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Integrated Genetics/Laboratory Corporation of America (2018)
827571	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827572	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827573	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Mendelics (2018)
829226	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCRP) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2017)
829227	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829228	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827574	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2015), GeneDx (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Integrated Genetics/Laboratory Corporation of America (2018)
827575	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), GeneDx (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827576	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829229	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2014), Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829230	BRCA1	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCR) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017), Ambry Genetics (2017)
829231	BRCA1	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
827577	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827578	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827579	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829232	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829233	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829234	BRCA1	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827580	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Integrated Genetics/Laboratory Corporation of America (2019)
827581	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
827582	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), GeneDx (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
829235	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Sharing Clinical Reports Project (SCR) (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Invitae (2015), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Integrated Genetics/Laboratory Corporation of America (2019)
829236	BRCA1	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
829237	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRIP) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827583	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827584	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827585	BRCA2	T	G	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), GeneDx (2018)
829238	BRCA1	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRIP) (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829239	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, 28492532, GeneDx (2015), Ambry Genetics (2016), Invitae (2017), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019), Integrated Genetics/Laboratory Corporation of America (2019)
829240	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827586	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
827587	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827588	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Integrated Genetics/Laboratory Corporation of America (2019)
829241	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829242	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829243	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827589	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827590	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827591	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829244	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
829245	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829246	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827592	BRCA2	A	T	AA	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827593	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCR) (2013), Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
827594	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017)
827595	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827596	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	26467025, Breast Cancer Information Core (BIC) (BRCA2) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Genome Diagnostics Laboratory, University Medical Center Utrecht (2018), Mendelics (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
827597	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Invitae (2013), Sharing Clinical Reports Project (SCR) (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829247	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829248	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829249	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017), Color (2019)
829250	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
829251	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829252	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827598	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
827599	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827600	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829253	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), 3DMed Clinical Laboratory Inc (2018)
829254	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Counsyl (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017)
829255	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Integrated Genetics/Laboratory Corporation of America (2018), GeneDx (2018)
827601	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827602	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), GeneDx (2018), Invitae (2018)
827603	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018), DNA and Cytogenetics Diagnostics Unit, Erasmus Medical Center (2018)
829256	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829257	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2018)
829258	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827604	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827605	BRCA2	C	T	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019), Integrated Genetics/Laboratory Corporation of America (2019)
827606	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
829259	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017), Invitae (2018)
829260	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2018), Invitae (2019)
829261	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827607	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827608	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
827609	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018), DNA and Cytogenetics Diagnostics Unit, Erasmus Medical Center (2018)
829262	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Color (2018)
829263	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Sharing Clinical Reports Project (SCRIP) (2016)
829264	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827610	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Laboratory of Molecular Diagnosis of Cancer, West China Hospital, Sichuan University (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
827611	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827612	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829265	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Invitae (2019)
829266	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
829267	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827613	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827614	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827615	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829268	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
829269	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829270	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Invitae (2019)
827616	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827617	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827618	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2019)
829271	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
829272	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
829273	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827619	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018), DNA and Cytogenetics Diagnostics Unit, Erasmus Medical Center (2018)
827620	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827621	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827622	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017), GeneDx (2017), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019), Integrated Genetics/Laboratory Corporation of America (2019)
827623	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827624	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
829274	BRCA2	C	R	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
827625	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827626	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827627	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Michigan Medical Genetics Laboratories, University of Michigan (2016), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827628	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
827629	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
827630	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827631	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827632	BRCA2	G	A	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
827633	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Integrated Genetics/Laboratory Corporation of America (2018)
827634	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
827635	BRCA2	T	C	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Counsyl (2017), Genologica Medica (2017)
827636	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827637	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827638	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827639	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827640	BRCA2	D	I	DD	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
827641	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Ambry Genetics (2015), Sharing Clinical Reports Project (SCRIP) (2016), GeneDx (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019), Integrated Genetics/Laboratory Corporation of America (2019)
827642	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868, 26467025, 28492532, Invitae (2013), GeneDx (2016), Ambry Genetics (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019), Integrated Genetics/Laboratory Corporation of America (2019)
827643	BRCA2	T	A	TT	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Foulkes Cancer Genetics LDI, Lady Davis Institute for Medical Research (2018)
827644	BRCA2	G	T	GG	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	25741868
827645	BRCA2	C	A	CC	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
827646	BRCA2	I	D	II	Increased Risk of Breast Cancer and/or Ovarian Cancer with Radiation Exposure	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
45793	BRIP1	G	C	GG	Increased Risk of Breast Cancer	Cantor (2001), Cantor (2004), Dapic (2005), Seal (2006), Garcia-Closas (2006), Byrnes (2008), Wu (2010), Cantor (2010), Cantor (2011), Ren (2013), Ramus (2015), Zou (2016), Kinnersley (2016), Susswein (2016 - Poster P089)
45815	BRIP1	C	T	CC	Increased Risk of Breast Cancer	Cantor (2001)
46669	PTEN	A	C	AA	Increased Risk of Breast Cancer	Figer (2002)
801966	PTEN	A	C	AA	Breast Cancer with Radiation Exposure	Figer (2002)
68601	FGFR2	A	G	AA	Increased Risk of Breast Cancer	Hunter (2007), Stacey (2008), Raskin (2008)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
801961	FGFR2	A	G	AA	Increased Risk of Breast Cancer with Radiation Exposure	Hunter (2007), Stacey (2008), Raskin (2008)
46668	PTEN	G	A	GG	Increased Risk of Breast Cancer	Figer (2002)
45793	BRIP1	G	C	GG	Increased Risk of Breast Cancer with Radiation Exposure	Cantor (2001), Cantor (2004), Dapic (2005), Seal (2006), Garcia-Closas (2006), Byrnes (2008), Wu (2010), Cantor (2010), Cantor (2011), Ren (2013), Ramus (2015), Zou (2016), Kinnersley (2016), Susswein (2016 - Poster P089)
49523	CHEK2	G	A	GG	Increased Risk of Breast Cancer	Shaag (2005)
45777	BARD1	T	C	TT	Increased Risk of Breast Cancer	Ghimenti (2002)
801962	BARD1	T	C	TT	Increased Risk of Breast Cancer with Radiation Exposure	Ghimenti (2002)
45779	BARD1	T	C	--	Increased Risk of Breast Cancer with Radiation Exposure	Ishitobi (2003)
47365	TP53	G	A	--	Increased Risk of Breast Cancer with Radiation Exposure	Sun (1996), Masciari (2005)
47367	TP53	C	T	CC	Increased Risk of Breast Cancer	Hedau (2004), Masciari (2005)
47393	TP53	C	T	CC	Increased Risk of Breast Cancer	Borresen (1992), Frebourg (1992), Masciari (2005)
47438	TP53	C	T	CC	Increased Risk of Breast Cancer	Prosser (1992), Masciari (2005)
47449	TP53	G	A	GG	Increased Risk of Breast Cancer	Speiser (1996), Masciari (2005)
47486	TP53	T	G	TT	Increased Risk of Breast Cancer	Jolly (1994), Masciari (2005)
49025	PALB2	C	A	CC	Increased Risk of Breast Cancer	Rahman (2007)
801964	PALB2	C	A	CC	Increased Risk of Breast Cancer with Radiation Exposure	Rahman (2007)
49027	PALB2	C	T	CC	Increased Risk of Breast Cancer	Rahman (2007), EGL Genetic Diagnostics of Eurofins Clinical Diagnostics (2014), Pathway Genomics (2014), University of Washington Department of Laboratory Medicine (2015), Cancer Genetics Laboratory of Peter MacCallum Cancer Centre (2015), Color Genomics, Inc. (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2015), Counsyl (2016), GeneDx (2017), Invitae (2017), Ambry Genetics (2017), Laboratory Corporation of America (2017)
801963	PALB2	C	T	CC	Increased Risk of Breast Cancer with Radiation Exposure	Rahman (2007), EGL Genetic Diagnostics of Eurofins Clinical Diagnostics (2014), Pathway Genomics (2014), University of Washington Department of Laboratory Medicine (2015), Cancer Genetics Laboratory of Peter MacCallum Cancer Centre (2015), Color Genomics, Inc. (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2015), Counsyl (2016), GeneDx (2017), Invitae (2017), Ambry Genetics (2017), Laboratory Corporation of America (2017)
800942	PALB2	G	C	GG	Increased Risk of Breast Cancer	Reid (2007), Rahman (2007)
49507	CHEK2	T	C	TT	Increased Risk of Breast Cancer	Sodha (2002)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
800944	CHEK2	C	T	--	Increased Risk of Breast Cancer with Radiation Exposure	Sodha (2002)
70874	PALB2	I	D	II	Increased Risk of Breast Cancer	Reid (2007), Rahman (2007)
70875	PALB2	I	D	II	Increased Risk of Breast Cancer	Erkko (2007)
802542	BRCA1	G	A	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2015), GeneDx (2016), Invitae (2017), Color (2019)
802543	BRCA1	G	A	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2015), GeneDx (2016), Invitae (2017), Color (2019)
802544	BRCA1	T	C	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 28492532, Ambry Genetics (2017), GeneDx (2017), Counsyl (2018), PreventionGenetics, PreventionGenetics (2018), Integrated Genetics/Laboratory Corporation of America (2019)
802871	BRCA2	G	C	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 26467025, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2016), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802872	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Invitae (2015), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2018)
802873	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Invitae (2015), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2018)
801995	BRCA1	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	Dong (1998), Invitae (2013), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA) of the University of Cambridge (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (2016)
802022	BRCA2	T	C	TT	Increased Risk of Breast and/or Ovarian Cancer	Katagiri (1998)
802063	BRCA2	C	T	CC	Increased Risk of Breast and/or Ovarian Cancer	De Benedetti (1998)
802545	BRCA1	T	C	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 28492532, Ambry Genetics (2017), GeneDx (2017), Counsyl (2018), PreventionGenetics, PreventionGenetics (2018), Integrated Genetics/Laboratory Corporation of America (2019)
802546	BRCA1	G	C	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2019)
802547	BRCA1	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 26467025, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), GeneDx (2017), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
802874	BRCA2	C	T	CC	Increased Risk of Hereditary cancer-predisposing syndrome	28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017)
802875	BRCA2	C	T	CC	Increased Risk of Breast and/or Ovarian Cancer	28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017)
802876	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
802120	BRCA2	G	T	GG	Increased Risk of Breast and/or Ovarian Cancer	Schoumacher (2001)
802203	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Breast Cancer)	Han (2006)
802205	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Breast Cancer)	Han (2006)
802548	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 26467025, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), GeneDx (2017), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
802549	BRCA1	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Bioscientia Institut fuer Medizinische Diagnostik GmbH,Sonic Healthcare (2016)
802550	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Bioscientia Institut fuer Medizinische Diagnostik GmbH,Sonic Healthcare (2016)
802877	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 25741868, 25741868, 28492532, Ambry Genetics (2014), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2018), Fulgent Genetics,Fulgent Genetics (2019), CHEO Genetics Diagnostic Laboratory,Children's Hospital of Eastern Ontario (2019)
802878	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Wilms tumor 1)	25741868, 25741868, 25741868, 25741868, 28492532, Ambry Genetics (2014), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2018), Fulgent Genetics,Fulgent Genetics (2019), CHEO Genetics Diagnostic Laboratory,Children's Hospital of Eastern Ontario (2019)
802879	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Glioma susceptibility 3)	25741868, 25741868, 25741868, 25741868, 28492532, Ambry Genetics (2014), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2018), Fulgent Genetics,Fulgent Genetics (2019), CHEO Genetics Diagnostic Laboratory,Children's Hospital of Eastern Ontario (2019)
45089	BRCA1	A	G	--	Increased Risk of Breast and/or Ovarian Cancer	Castilla (1994)
45150	BRCA1	C	T	--	Increased Risk of Breast and/or Ovarian Cancer	Zuhlke (2004)
45342	BRCA1	C	G	CC	Increased Risk of Breast and/or Ovarian Cancer	Hoya (2002)
802551	BRCA1	C	A	CC	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 25741868, 26467025, 28492532, GeneDx (2013), Ambry Genetics (2015), Michigan Medical Genetics Laboratories,University of Michigan (2016), Baylor Genetics (2017), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
802552	BRCA1	C	A	CC	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 25741868, 26467025, 28492532, GeneDx (2013), Ambry Genetics (2015), Michigan Medical Genetics Laboratories,University of Michigan (2016), Baylor Genetics (2017), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
802553	BRCA1	T	G	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2016), Ambry Genetics (2017), GeneDx (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802880	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Malignant tumor of prostate)	25741868, 25741868, 25741868, 25741868, 28492532, Ambry Genetics (2014), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2018), Fulgent Genetics, Fulgent Genetics (2019), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019)
802881	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Medulloblastoma)	25741868, 25741868, 25741868, 25741868, 28492532, Ambry Genetics (2014), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2018), Fulgent Genetics, Fulgent Genetics (2019), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019)
802882	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Pancreatic cancer 2)	25741868, 25741868, 25741868, 25741868, 28492532, Ambry Genetics (2014), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2018), Fulgent Genetics, Fulgent Genetics (2019), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019)
802209	BRCA2	A	T	AA	Variant of Unknown Significance (possibly associated with Breast Cancer)	Han (2006)
802214	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast Cancer)	Seo (2004)
802224	BRCA2	T	G	TT	Variant of Unknown Significance (possibly associated with Breast Cancer)	Yassaei (2002)
802554	BRCA1	T	G	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2016), Ambry Genetics (2017), GeneDx (2017)
802555	BRCA1	G	T	GG	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2017)
802556	BRCA1	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Cancer Variant Interpretation Group UK, Institute of Cancer Research, London (2019), Color (2019)
802883	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 25741868, 25741868, 28492532, Ambry Genetics (2014), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2018), Fulgent Genetics, Fulgent Genetics (2019), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019)
802884	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2015), GeneDx (2016), Fulgent Genetics, Fulgent Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2019)
802885	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2015), GeneDx (2016), Fulgent Genetics, Fulgent Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2019)
802226	BRCA2	T	G	TT	Variant of Unknown Significance (possibly associated with Breast Cancer)	Sakayori (2003)
802240	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	28492532, 8524414, OMIM (2011), Invitae (2018)
802241	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, 8524414, OMIM (2011), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2018), PreventionGenetics, PreventionGenetics (2018), Mendelics (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
45577	BRCA2	G	T	GG	Increased Risk of Breast and/or Ovarian Cancer	Haraldsson (1998)
70785	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	Simard (1994), Struewing (1995), Oddoux (1996), Roa (1996), Bar-Sade (1997), Bar-Sade (1998), Bandera (1998), Schorge (1998), Mew (2002), Buisson (2006), GeneDx (2014), Counsyl (2014), Michigan Medical Genetics Laboratories of the University of Michigan (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA) of the University of Cambridge (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2015), Oslo University Hospital (2015), Color Genomics (2015), Laboratory for Molecular Medicine of Partners HealthCare Personalized Medicine (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (2016), Illumina Clinical Services Laboratory (2016), EGL Genetic Diagnostics (2016), Ambry Genetics (2016), Baylor Miraca Genetics Laboratories (2017), Datar Genetics Limited (2017), Cancer Genetics and Genomics Laboratory of the British Columbia Cancer Agency (2017), Invitae (2017), GeneDx (2017), Queen's University - The Canadian Open Genetics Repository (2017)
802557	BRCA1	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Cancer Variant Interpretation Group UK, Institute of Cancer Research, London (2019), Color (2019)
802558	BRCA1	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017)
802559	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017)
802886	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, Sharing Clinical Reports Project (SCRP) (2012), Color (2019)
802887	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, Sharing Clinical Reports Project (SCRP) (2012), Color (2019)
802888	BRCA2	G	T	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), GeneDx (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Invitae (2018)
802242	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, 8524414, OMIM (2011), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2018), PreventionGenetics, PreventionGenetics (2018), Mendelics (2018)
802243	BRCA2	I	D	II	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	8589730, OMIM (2011), Breast Cancer Information Core (BIC) (BRCA2) (2014)
802244	BRCA2	C	A	CC	Increased Risk of Breast and/or Ovarian Cancer	12065746
802560	BRCA1	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014)
802561	BRCA1	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2018)
802562	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802889	BRCA2	G	T	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	26467025, 28492532, Sharing Clinical Reports Project (SCR) (2012), Ambry Genetics (2014), GeneDx (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Invitae (2018)
802890	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)
802891	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)
802245	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 25741868, 25741868, 26467025, 26845104, 28492532, GeneDx (2013), Counsyl (2015), Michigan Medical Genetics Laboratories, University of Michigan (2016), Integrated Genetics/Laboratory Corporation of America (2017), Baylor Genetics (2017)
802246	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 25741868, 25741868, 26467025, 26845104, 28492532, GeneDx (2013), Counsyl (2015), Michigan Medical Genetics Laboratories, University of Michigan (2016), Integrated Genetics/Laboratory Corporation of America (2017), Baylor Genetics (2017)
802247	BRCA2	I	D	II	Increased Risk of Medulloblastoma	25741868, 25741868, 25741868, 25741868, 26467025, 26845104, 28492532, GeneDx (2013), Counsyl (2015), Michigan Medical Genetics Laboratories, University of Michigan (2016), Integrated Genetics/Laboratory Corporation of America (2017), Baylor Genetics (2017)
802563	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
802564	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCR) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
802565	BRCA1	T	C	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
802892	BRCA2	G	A	GG	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 28492532, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Integrated Genetics/Laboratory Corporation of America (2018)
802893	BRCA2	G	A	GG	Increased Risk of Breast and/or Ovarian Cancer	25741868, 28492532, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Integrated Genetics/Laboratory Corporation of America (2018)
802894	BRCA2	G	C	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	, Sharing Clinical Reports Project (SCR) (2012), Ambry Genetics (2017)
802248	BRCA2	I	D	II	Increased Risk of Glioma susceptibility 3	25741868, 25741868, 25741868, 25741868, 26467025, 26845104, 28492532, GeneDx (2013), Counsyl (2015), Michigan Medical Genetics Laboratories, University of Michigan (2016), Integrated Genetics/Laboratory Corporation of America (2017), Baylor Genetics (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802249	BRCA2	I	D	II	Increased Risk of Wilms tumor 1	25741868, 25741868, 25741868, 25741868, 26467025, 26845104, 28492532, GeneDx (2013), Counsyl (2015), Michigan Medical Genetics Laboratories, University of Michigan (2016), Integrated Genetics/Laboratory Corporation of America (2017), Baylor Genetics (2017)
802250	BRCA2	T	A	TT	Increased Risk of Breast and/or Ovarian Cancer	14670928, OMIM (2011), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
802895	BRCA2	G	C	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2017)
802896	BRCA2	C	G	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), CSER_CC_NCGL; University of Washington Medical Center (2014), Ambry Genetics (2015), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)
802897	BRCA2	C	G	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), CSER_CC_NCGL; University of Washington Medical Center (2014), Ambry Genetics (2015), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)
802566	BRCA1	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
802567	BRCA1	T	A	TT	Variant of Unknown Significance (possibly associated with Cancer of the pancreas)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2017), GeneDx (2017), Invitae (2018), 3DMed Clinical Laboratory Inc (2018)
802568	BRCA1	T	A	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2017), GeneDx (2017), Invitae (2018), 3DMed Clinical Laboratory Inc (2018)
801965	PALB2	I	D	II	Increased Risk of Breast Cancer with Radiation Exposure	Erkko (2007)
803869	BRCA2	D	I	DD	Increased Risk of Hereditary cancer-predisposing syndrome	, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2019)
803524	BRCA2	A	C	AA	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Counsyl (2015), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017)
803525	BRCA2	T	C	TT	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	28492532, Sharing Clinical Reports Project (SCRP) (2012), GeneDx (2017), Invitae (2017)
803526	BRCA2	T	A	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
804214	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
804215	BRCA2	G	T	GG	Increased Risk of Breast and/or Ovarian Cancer	26467025, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017)
804216	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
803200	BRCA2	C	G	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), ITMI (2014), GeneDx (2015), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019)
803201	BRCA2	C	G	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), ITMI (2014), GeneDx (2015), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019)
803202	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
802251	BRCA2	G	T	GG	Increased Risk of Hereditary cancer-predisposing syndrome	14670928, 28492532, OMIM (2011), Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2019)
802252	BRCA2	G	T	GG	Increased Risk of Breast and/or Ovarian Cancer	14670928, 28492532, OMIM (2011), Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2019)
802253	BRCA2	T	C	TT	Increased Risk of Hereditary cancer-predisposing syndrome	14670928, OMIM (2011), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017), GeneDx (2017)
802898	BRCA2	C	A	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2018)
802899	BRCA2	A	T	AA	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
802900	BRCA2	C	T	CC	Increased Risk of Wilms tumor 1	25741868, 25741868, 25741868, 28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Ambry Genetics (2016), Fulgent Genetics, Fulgent Genetics (2019), Integrated Genetics/Laboratory Corporation of America (2019)
802569	BRCA1	T	A	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2017), GeneDx (2017), Invitae (2018), 3DMed Clinical Laboratory Inc (2018)
802570	BRCA1	T	G	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2016), Laboratory of Molecular Diagnosis of Cancer, West China Hospital, Sichuan University (2016), GeneDx (2017), Fulgent Genetics, Fulgent Genetics (2019)
802571	BRCA1	T	G	TT	Variant of Unknown Significance (possibly associated with Pancreatic cancer 4)	25741868, 25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2016), Laboratory of Molecular Diagnosis of Cancer, West China Hospital, Sichuan University (2016), GeneDx (2017), Fulgent Genetics, Fulgent Genetics (2019)
804217	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 26467025, Breast Cancer Information Core (BIC) (BRCA2) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Ambry Genetics (2017), Color (2019)
804218	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 26467025, Breast Cancer Information Core (BIC) (BRCA2) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Ambry Genetics (2017), Color (2019)
804219	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	, Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015)
803527	BRCA2	G	T	GG	Increased Risk of Breast and/or Ovarian Cancer	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Department of Medical Genetics, Oslo University Hospital (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Invitae (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
803528	BRCA2	G	T	GG	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	28492532, Biesecker Lab/Clinical Genomics Section,National Institutes of Health (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Sharing Clinical Reports Project (SCRIP) (2014), Ambry Genetics (2015), GeneDx (2018)
803529	BRCA2	G	T	GG	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	28492532, Biesecker Lab/Clinical Genomics Section,National Institutes of Health (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Sharing Clinical Reports Project (SCRIP) (2014), Ambry Genetics (2015), GeneDx (2018)
802254	BRCA2	T	C	TT	Increased Risk of Breast and/or Ovarian Cancer	14670928, OMIM (2011), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017), GeneDx (2017)
802255	BRCA2	C	G	CC	Increased Risk of Hereditary cancer-predisposing syndrome	15689453, 15689453, 15689453, OMIM (2011), OMIM (2011), OMIM (2011), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017)
802256	BRCA2	C	G	CC	Increased Risk of Breast and/or Ovarian Cancer	15689453, 15689453, 15689453, OMIM (2011), OMIM (2011), OMIM (2011), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017)
802901	BRCA2	C	T	CC	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 25741868, 28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Ambry Genetics (2016), Fulgent Genetics, Fulgent Genetics (2019), Integrated Genetics/Laboratory Corporation of America (2019)
802902	BRCA2	C	T	CC	Increased Risk of Glioma susceptibility 3	25741868, 25741868, 25741868, 28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Ambry Genetics (2016), Fulgent Genetics, Fulgent Genetics (2019), Integrated Genetics/Laboratory Corporation of America (2019)
802903	BRCA2	C	T	CC	Increased Risk of Malignant tumor of prostate	25741868, 25741868, 25741868, 28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Ambry Genetics (2016), Fulgent Genetics, Fulgent Genetics (2019), Integrated Genetics/Laboratory Corporation of America (2019)
802572	BRCA1	T	G	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRIP) (2012), Ambry Genetics (2016), Laboratory of Molecular Diagnosis of Cancer,West China Hospital, Sichuan University (2016), GeneDx (2017), Fulgent Genetics,Fulgent Genetics (2019)
802573	BRCA1	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, Sharing Clinical Reports Project (SCRIP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2018)
802574	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, Sharing Clinical Reports Project (SCRIP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2018)
804220	BRCA2	T	G	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, Sharing Clinical Reports Project (SCRIP) (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2016), Counsyl (2018)
804221	BRCA2	T	G	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, Sharing Clinical Reports Project (SCRIP) (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2016), Counsyl (2018)
804222	BRCA2	T	A	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 26467025, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2019), Integrated Genetics/Laboratory Corporation of America (2019)
803530	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 28492532, Biesecker Lab/Clinical Genomics Section,National Institutes of Health (2013), Ambry Genetics (2014), GeneDx (2015), GeneKor MSA (2018), Color (2019)
803531	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 28492532, Biesecker Lab/Clinical Genomics Section,National Institutes of Health (2013), Ambry Genetics (2014), GeneDx (2015), GeneKor MSA (2018), Color (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
803533	BRCA2	A	C	AA	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 28492532, Biesecker Lab/Clinical Genomics Section, National Institutes of Health (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), ITMI (2014), GeneDx (2015)
802904	BRCA2	C	T	CC	Increased Risk of Medulloblastoma	25741868, 25741868, 25741868, 28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Ambry Genetics (2016), Fulgent Genetics, Fulgent Genetics (2019), Integrated Genetics/Laboratory Corporation of America (2019)
802905	BRCA2	C	T	CC	Increased Risk of Pancreatic cancer 2	25741868, 25741868, 25741868, 28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Ambry Genetics (2016), Fulgent Genetics, Fulgent Genetics (2019), Integrated Genetics/Laboratory Corporation of America (2019)
802906	BRCA2	C	T	CC	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 25741868, 28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Ambry Genetics (2016), Fulgent Genetics, Fulgent Genetics (2019), Integrated Genetics/Laboratory Corporation of America (2019)
802257	BRCA2	C	G	CC	Increased Risk of Medulloblastoma	15689453, 15689453, 15689453, OMIM (2011), OMIM (2011), OMIM (2011), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017)
802258	BRCA2	C	G	CC	Increased Risk of Glioma susceptibility 3	15689453, 15689453, 15689453, OMIM (2011), OMIM (2011), OMIM (2011), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017)
802259	BRCA2	C	G	CC	Increased Risk of Wilms tumor 1	15689453, 15689453, 15689453, OMIM (2011), OMIM (2011), OMIM (2011), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017)
802575	BRCA1	C	T	CC	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2017), GeneDx (2017), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017)
802576	BRCA1	C	T	CC	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2017), GeneDx (2017), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017)
802577	BRCA1	C	T	CC	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 26467025, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), GeneDx (2017), Counsyl (2017)
804223	BRCA2	T	A	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 26467025, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2019), Integrated Genetics/Laboratory Corporation of America (2019)
804224	BRCA2	C	G	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2019)
804225	BRCA2	C	G	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2019)
802907	BRCA2	G	A	GG	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868
802908	BRCA2	G	A	GG	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, Sharing Clinical Reports Project (SCRP) (2012), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2019)
802909	BRCA2	G	A	GG	Increased Risk of Breast and/or Ovarian Cancer	25741868, Sharing Clinical Reports Project (SCRP) (2012), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2019)
803534	BRCA2	A	C	AA	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 28492532, Biesecker Lab/Clinical Genomics Section, National Institutes of Health (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), ITMI (2014), GeneDx (2015)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
803536	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, Biesecker Lab/Clinical Genomics Section,National Institutes of Health (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Sharing Clinical Reports Project (SCRP) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
803537	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, Biesecker Lab/Clinical Genomics Section,National Institutes of Health (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Sharing Clinical Reports Project (SCRP) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
802260	BRCA2	C	T	CC	Increased Risk of Hereditary cancer-predisposing syndrome	16825431, 24033266, 25741868, 25741868, 26845104, 28492532, OMIM (2011), Sharing Clinical Reports Project (SCRP) (2013), CHEO Genetics Diagnostic Laboratory,Children's Hospital of Eastern Ontario (2015), Counsyl (2018), Integrated Genetics/Laboratory Corporation of America (2018)
802261	BRCA2	C	T	CC	Increased Risk of Breast and/or Ovarian Cancer	16825431, 24033266, 25741868, 25741868, 26845104, 28492532, OMIM (2011), Sharing Clinical Reports Project (SCRP) (2013), CHEO Genetics Diagnostic Laboratory,Children's Hospital of Eastern Ontario (2015), Counsyl (2018), Integrated Genetics/Laboratory Corporation of America (2018)
802262	BRCA2	G	A	GG	Increased Risk of Hereditary cancer-predisposing syndrome	15070707, 16825431, 28492532, OMIM (2011), Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Counsyl (2018)
802578	BRCA1	C	T	CC	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 26467025, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), GeneDx (2017), Counsyl (2017)
802579	BRCA1	C	A	CC	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), GeneDx (2015), Baylor Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2018), CHEO Genetics Diagnostic Laboratory,Children's Hospital of Eastern Ontario (2019)
802580	BRCA1	C	A	CC	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), GeneDx (2015), Baylor Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2018), CHEO Genetics Diagnostic Laboratory,Children's Hospital of Eastern Ontario (2019)
804226	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
804227	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
804228	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2016), Counsyl (2017), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017)
802910	BRCA2	G	C	GG	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
802911	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017)
802912	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
803540	BRCA2	C	T	CC	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 25741868, 25741868, 25741868, 28492532, Biesecker Lab/Clinical Genomics Section,National Institutes of Health (2013), Invitae (2013), Ambry Genetics (2014), CHEO Genetics Diagnostic Laboratory,Children's Hospital of Eastern Ontario (2015), Michigan Medical Genetics Laboratories,University of Michigan (2016)
803541	BRCA2	C	T	CC	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 25741868, 25741868, 25741868, 28492532, Biesecker Lab/Clinical Genomics Section,National Institutes of Health (2013), Invitae (2013), Ambry Genetics (2014), CHEO Genetics Diagnostic Laboratory,Children's Hospital of Eastern Ontario (2015), Michigan Medical Genetics Laboratories,University of Michigan (2016)
802263	BRCA2	G	A	GG	Increased Risk of Breast and/or Ovarian Cancer	15070707, 16825431, 28492532, OMIM (2011), Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Counsyl (2018)
802264	BRCA2	T	G	TT	Increased Risk of Breast and/or Ovarian Cancer	15070707, 15645491, 16825431, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, OMIM (2011), Ambry Genetics (2014), Michigan Medical Genetics Laboratories,University of Michigan (2016), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802265	BRCA2	T	G	TT	Increased Risk of Hereditary cancer-predisposing syndrome	15070707, 15645491, 16825431, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, OMIM (2011), Ambry Genetics (2014), Michigan Medical Genetics Laboratories,University of Michigan (2016), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802581	BRCA1	G	A	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2016), Counsyl (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Integrated Genetics/Laboratory Corporation of America (2019)
802582	BRCA1	G	A	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2016), Counsyl (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Integrated Genetics/Laboratory Corporation of America (2019)
802583	BRCA1	T	G	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)
804229	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2016), Counsyl (2017), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017)
804230	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory,Women's College Hospital, University of Toronto (2017), Color (2019)
804231	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory,Women's College Hospital, University of Toronto (2017), Color (2019)
803542	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 25741868, 25741868, 25741868, 28492532, Biesecker Lab/Clinical Genomics Section,National Institutes of Health (2013), Invitae (2013), Ambry Genetics (2014), Illumina Clinical Services Laboratory,Illumina (2016), Center for Pediatric Genomic Medicine,Children's Mercy Hospital and Clinics (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
803543	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 25741868, 25741868, 25741868, 28492532, Biesecker Lab/Clinical Genomics Section,National Institutes of Health (2013), Invitae (2013), Ambry Genetics (2014), Illumina Clinical Services Laboratory,Illumina (2016), Center for Pediatric Genomic Medicine,Children's Mercy Hospital and Clinics (2017)
802913	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014)
802914	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
802915	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), GeneDx (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Integrated Genetics/Laboratory Corporation of America (2018)
802266	BRCA1	A	C	AA	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 26467025, 28492532, 7894491, OMIM (2011), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)
802267	BRCA1	A	C	AA	Increased Risk of Breast and/or Ovarian Cancer	25741868, 26467025, 28492532, 7894491, OMIM (2011), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)
802269	BRCA1	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	26467025, 7894493, OMIM (2011), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), Sharing Clinical Reports Project (SCRP) (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
803544	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Cancer of the pancreas)	25741868, 25741868, 25741868, 25741868, 28492532, Biesecker Lab/Clinical Genomics Section,National Institutes of Health (2013), Invitae (2013), Ambry Genetics (2014), Illumina Clinical Services Laboratory,Illumina (2016), Center for Pediatric Genomic Medicine,Children's Mercy Hospital and Clinics (2017)
803545	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, Biesecker Lab/Clinical Genomics Section,National Institutes of Health (2013), Ambry Genetics (2014), Counsyl (2017), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
803546	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 28492532, Biesecker Lab/Clinical Genomics Section,National Institutes of Health (2013), Ambry Genetics (2014), Counsyl (2017), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802584	BRCA1	T	G	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)
802585	BRCA1	A	C	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), GeneDx (2017), Invitae (2019), Color (2019)
802586	BRCA1	A	C	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), GeneDx (2017), Invitae (2019), Color (2019)
804232	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 28492532, Invitae (2013), GeneKor MSA (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
804233	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
804234	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	26467025, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802916	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), GeneDx (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Integrated Genetics/Laboratory Corporation of America (2018)
802917	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 28492532, Ambry Genetics (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018), Genome Diagnostics Laboratory, University Medical Center Utrecht (2018), PreventionGenetics, PreventionGenetics (2018)
802918	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 28492532, Ambry Genetics (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018), Genome Diagnostics Laboratory, University Medical Center Utrecht (2018), PreventionGenetics, PreventionGenetics (2018)
802587	BRCA1	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
802588	BRCA1	A	G	AA	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Invitae (2017)
802589	BRCA1	C	T	CC	Increased Risk of Hereditary cancer-predisposing syndrome	, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
804235	BRCA2	T	G	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 26467025, 28492532, Ambry Genetics (2014), GeneDx (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2018)
804236	BRCA2	T	G	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 26467025, 28492532, Ambry Genetics (2014), GeneDx (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2018)
804237	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018), DNA and Cytogenetics Diagnostics Unit, Erasmus Medical Center (2018)
802270	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	26467025, 7894493, OMIM (2011), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), Sharing Clinical Reports Project (SCRP) (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
802271	BRCA1	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 25741868, 26467025, 28492532, 7894492, OMIM (2011), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2019)
802272	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 25741868, 26467025, 28492532, 7894492, OMIM (2011), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2019)
803547	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 26467025, 26467025, Biesecker Lab/Clinical Genomics Section, National Institutes of Health (2013), Ambry Genetics (2014), GeneDx (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
803548	BRCA1	A	C	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 26467025, 28492532, Biesecker Lab/Clinical Genomics Section,National Institutes of Health (2013), Invitae (2013), Ambry Genetics (2014), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
803549	BRCA1	A	C	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 26467025, 28492532, Biesecker Lab/Clinical Genomics Section,National Institutes of Health (2013), Invitae (2013), Ambry Genetics (2014), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802919	BRCA2	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), GeneDx (2015), Baylor Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2018), PreventionGenetics,PreventionGenetics (2018)
802920	BRCA2	D	I	DD	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), GeneDx (2015), Baylor Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2018), PreventionGenetics,PreventionGenetics (2018)
802921	BRCA2	A	T	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2019)
802590	BRCA1	C	T	CC	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
802591	BRCA1	C	G	CC	Increased Risk of Hereditary cancer-predisposing syndrome	, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Laboratoire de Biologie et Génétique du Cancer,Centre François Baclesse (2017)
802592	BRCA1	C	G	CC	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Laboratoire de Biologie et Génétique du Cancer,Centre François Baclesse (2017)
804238	BRCA2	T	A	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
804239	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 26467025, 28492532, Ambry Genetics (2015), GeneDx (2015), Counsyl (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Genome Diagnostics Laboratory,University Medical Center Utrecht (2018)
804240	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 26467025, 28492532, Ambry Genetics (2015), GeneDx (2015), Counsyl (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Genome Diagnostics Laboratory,University Medical Center Utrecht (2018)
802273	BRCA1	G	A	GG	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, 7894493, OMIM (2011), Ambry Genetics (2014), GeneDx (2015), CHEO Genetics Diagnostic Laboratory,Children's Hospital of Eastern Ontario (2016), Baylor Genetics (2017)
802274	BRCA1	G	A	GG	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, 7894493, OMIM (2011), Ambry Genetics (2014), GeneDx (2015), CHEO Genetics Diagnostic Laboratory,Children's Hospital of Eastern Ontario (2016), Baylor Genetics (2017)
802275	BRCA1	C	A	CC	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 25741868, 26467025, 26845104, 28492532, 7894491, OMIM (2011), Baylor Genetics (2017), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Integrated Genetics/Laboratory Corporation of America (2018), Genome Diagnostics Laboratory,University Medical Center Utrecht (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
803550	BRCA1	C	T	CC	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	25741868, 26467025, 28492532, Biesecker Lab/Clinical Genomics Section, National Institutes of Health (2013), GeneDx (2013), Invitae (2013), Ambry Genetics (2015), Integrated Genetics/Laboratory Corporation of America (2018)
803551	BRCA1	C	T	CC	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868, 26467025, 28492532, Biesecker Lab/Clinical Genomics Section, National Institutes of Health (2013), GeneDx (2013), Invitae (2013), Ambry Genetics (2015), Integrated Genetics/Laboratory Corporation of America (2018)
803552	BRCA1	T	C	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Biesecker Lab/Clinical Genomics Section, National Institutes of Health (2013), Ambry Genetics (2014), GeneDx (2017), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2017)
802922	BRCA2	A	T	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2019)
802923	BRCA2	T	G	TT	Increased Risk of Breast and/or Ovarian Cancer	28492532, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2019)
802924	BRCA2	A	C	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Integrated Genetics/Laboratory Corporation of America (2019), Invitae (2019)
802593	BRCA1	G	A	GG	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Counsyl (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)
802594	BRCA1	G	A	GG	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Counsyl (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)
802595	BRCA1	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
804241	BRCA2	T	A	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
804242	BRCA2	A	T	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Integrated Genetics/Laboratory Corporation of America (2018), PreventionGenetics, PreventionGenetics (2018)
804243	BRCA2	A	T	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Integrated Genetics/Laboratory Corporation of America (2018), PreventionGenetics, PreventionGenetics (2018)
802276	BRCA1	C	A	CC	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 25741868, 26467025, 26845104, 28492532, 7894491, OMIM (2011), Baylor Genetics (2017), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Integrated Genetics/Laboratory Corporation of America (2018), Genome Diagnostics Laboratory, University Medical Center Utrecht (2018)
802277	BRCA1	G	C	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 28492532, 7894491, OMIM (2011), Ambry Genetics (2014), Michigan Medical Genetics Laboratories, University of Michigan (2016), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802278	BRCA1	G	C	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 28492532, 7894491, OMIM (2011), Ambry Genetics (2014), Michigan Medical Genetics Laboratories, University of Michigan (2016), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802925	BRCA2	A	C	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Integrated Genetics/Laboratory Corporation of America (2019), Invitae (2019)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
802926	BRCA2	A	G	AA	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2017)
802927	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), GeneDx (2017), Invitae (2018), Color (2019)
802596	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
802597	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
802598	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
803553	BRCA1	T	C	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Biesecker Lab/Clinical Genomics Section, National Institutes of Health (2013), Ambry Genetics (2014), GeneDx (2017), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2017)
803554	BRCA1	C	T	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	26467025, 28492532, Biesecker Lab/Clinical Genomics Section, National Institutes of Health (2013), Ambry Genetics (2016), Invitae (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017)
803555	BRCA1	C	T	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	26467025, 28492532, Biesecker Lab/Clinical Genomics Section, National Institutes of Health (2013), Ambry Genetics (2016), Invitae (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017)
804244	BRCA2	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
804245	BRCA2	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
804246	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
802279	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	7894491, OMIM (2011), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
802280	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	10196379, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, OMIM (2011), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)
802281	BRCA1	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	10196379, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, OMIM (2011), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)
802928	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), GeneDx (2017), Invitae (2018), Color (2019)
802929	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016)
802930	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802599	BRCA1	I	D	II	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2019)
802600	BRCA1	I	D	II	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2019)
803558	BRCA1	G	A	GG	Likely Harmless Variant (previously associated with Variant of Unknown Significance)	, Biesecker Lab/Clinical Genomics Section, National Institutes of Health (2013), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017)
803559	BRCA1	G	A	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	, Biesecker Lab/Clinical Genomics Section, National Institutes of Health (2013), Ambry Genetics (2016)
803560	BRCA1	C	G	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Biesecker Lab/Clinical Genomics Section, National Institutes of Health (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2017), Color (2018)
804247	BRCA2	T	C	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
804248	BRCA2	T	C	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Ambry Genetics (2014), GeneDx (2015), Counsyl (2017), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Integrated Genetics/Laboratory Corporation of America (2019)
804249	BRCA2	T	C	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Ambry Genetics (2014), GeneDx (2015), Counsyl (2017), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Integrated Genetics/Laboratory Corporation of America (2019)
802282	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	10196379, 25741868, 26467025, 28492532, OMIM (2011), Ambry Genetics (2014), Division Human Genetics, Medical University Innsbruck (2015), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)
802283	BRCA1	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	10196379, 25741868, 26467025, 28492532, OMIM (2011), Ambry Genetics (2014), Division Human Genetics, Medical University Innsbruck (2015), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)
802285	BRCA1	T	C	TT	Increased Risk of Breast and/or Ovarian Cancer	11385711, 12014998, 12955716, 25741868, 25741868, 25741868, 26467025, 28492532, OMIM (2011), Ambry Genetics (2014), Baylor Genetics (2017), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802601	BRCA1	T	C	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	18414213, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2015), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2019)
802602	BRCA1	T	C	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	18414213, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2015), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2019)
802931	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2015), Color (2018), Integrated Genetics/Laboratory Corporation of America (2019)
802932	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2015), Color (2018), Integrated Genetics/Laboratory Corporation of America (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802933	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneKor MSA (2018), Integrated Genetics/Laboratory Corporation of America (2019)
803561	BRCA1	C	G	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Biesecker Lab/Clinical Genomics Section,National Institutes of Health (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2017), Color (2018)
803562	BRCA1	C	T	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, Biesecker Lab/Clinical Genomics Section,National Institutes of Health (2013), Ambry Genetics (2017), Counsyl (2017), CHEO Genetics Diagnostic Laboratory,Children's Hospital of Eastern Ontario (2019)
803563	BRCA1	C	T	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, Biesecker Lab/Clinical Genomics Section,National Institutes of Health (2013), Ambry Genetics (2017), Counsyl (2017), CHEO Genetics Diagnostic Laboratory,Children's Hospital of Eastern Ontario (2019)
804250	BRCA2	A	T	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015)
804251	BRCA2	A	T	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015)
804252	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
802286	BRCA1	T	C	TT	Increased Risk of Pancreatic cancer 4	11385711, 12014998, 12955716, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, OMIM (2011), Ambry Genetics (2014), Baylor Genetics (2017), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802287	BRCA1	T	C	TT	Increased Risk of Hereditary cancer-predisposing syndrome	11385711, 12014998, 12955716, 25741868, 25741868, 25741868, 26467025, 28492532, OMIM (2011), Ambry Genetics (2014), Baylor Genetics (2017), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802289	BRCA1	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 26467025, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Michigan Medical Genetics Laboratories,University of Michigan (2016), Ambry Genetics (2016), GeneDx (2018)
802934	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneKor MSA (2018), Integrated Genetics/Laboratory Corporation of America (2019)
802935	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2016), Invitae (2017), Color (2018)
802936	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2016), Invitae (2017), Color (2018)
803564	BRCA1	C	A	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	24033266, 25741868, 25741868, 25741868, 25741868, 28492532, Biesecker Lab/Clinical Genomics Section,National Institutes of Health (2013), Ambry Genetics (2014), CSER_CC_NGGL; University of Washington Medical Center (2014), Laboratory for Molecular Medicine,Partners HealthCare Personalized Medicine (2017), Genetic Services Laboratory, University of Chicago (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
803565	BRCA1	C	A	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	24033266, 25741868, 25741868, 25741868, 25741868, 28492532, Biesecker Lab/Clinical Genomics Section,National Institutes of Health (2013), Ambry Genetics (2014), CSER_CC_NCGL; University of Washington Medical Center (2014), Laboratory for Molecular Medicine,Partners HealthCare Personalized Medicine (2017), Genetic Services Laboratory, University of Chicago (2017)
802603	BRCA1	T	A	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)
802604	BRCA1	T	A	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)
802605	BRCA1	G	C	GG	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 25741868, 26467025, 28492532, GeneDx (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Integrated Genetics/Laboratory Corporation of America (2018), Laboratory for Molecular Medicine,Partners HealthCare Personalized Medicine (2019)
804253	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
804254	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
804255	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Color (2019)
802290	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 26467025, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Michigan Medical Genetics Laboratories,University of Michigan (2016), Ambry Genetics (2016), GeneDx (2018)
802291	BRCA1	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
802292	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
802937	BRCA2	C	G	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2015), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802938	BRCA2	C	G	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2015), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802939	BRCA2	T	G	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
803566	BRCA1	G	C	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Biesecker Lab/Clinical Genomics Section,National Institutes of Health (2013), Ambry Genetics (2014), Invitae (2016), Color (2019)
803567	BRCA1	G	C	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Biesecker Lab/Clinical Genomics Section,National Institutes of Health (2013), Ambry Genetics (2014), Invitae (2016), Color (2019)
803568	BRCA1	T	G	TT	Likely Harmless Variant (previously associated with Variant of Unknown Significance)	25741868

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802606	BRCA1	G	C	GG	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 25741868, 26467025, 28492532, GeneDx (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Integrated Genetics/Laboratory Corporation of America (2018), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2019)
802607	BRCA1	C	A	CC	Increased Risk of Breast and/or Ovarian Cancer	25741868, Sharing Clinical Reports Project (SCRP) (2012), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Medical Genetics, Oslo University Hospital (2017)
802608	BRCA1	T	G	TT	Increased Risk of Hereditary cancer-predisposing syndrome	26467025, 28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2017), GeneDx (2017), Invitae (2017), Integrated Genetics/Laboratory Corporation of America (2018)
804256	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Color (2019)
804257	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
804258	BRCA2	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Sharing Clinical Reports Project (SCRP) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017)
802293	BRCA1	C	A	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016), Ambry Genetics (2017), Counsyl (2018)
802294	BRCA1	C	A	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016), Ambry Genetics (2017), Counsyl (2018)
802295	BRCA1	G	A	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2015), Counsyl (2018), Integrated Genetics/Laboratory Corporation of America (2019)
802940	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 26467025, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), GeneDx (2017), Counsyl (2017)
802941	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 26467025, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), GeneDx (2017), Counsyl (2017)
802942	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Cancer of the pancreas)	25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Ambry Genetics (2015), Integrated Genetics/Laboratory Corporation of America (2018)
804259	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
804260	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
804261	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
803569	BRCA2	T	C	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
803570	BRCA2	A	C	AA	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 25741868, 26467025, 28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Ambry Genetics (2015), Genetic Services Laboratory, University of Chicago (2017), PreventionGenetics, PreventionGenetics (2018)
803571	BRCA2	A	C	AA	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 25741868, 26467025, 28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Ambry Genetics (2015), Genetic Services Laboratory, University of Chicago (2017), PreventionGenetics, PreventionGenetics (2018)
802609	BRCA1	T	G	TT	Increased Risk of Breast and/or Ovarian Cancer	26467025, 28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2017), GeneDx (2017), Invitae (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802610	BRCA1	A	G	AA	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 25741868, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2015), Integrated Genetics/Laboratory Corporation of America (2018)
802611	BRCA1	A	G	AA	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 25741868, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2015), Integrated Genetics/Laboratory Corporation of America (2018)
802943	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Ambry Genetics (2015), Integrated Genetics/Laboratory Corporation of America (2018)
802944	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Ambry Genetics (2015), Integrated Genetics/Laboratory Corporation of America (2018)
802945	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Division Human Genetics, Medical University Innsbruck (2015), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2015), Ambry Genetics (2016), Integrated Genetics/Laboratory Corporation of America (2018)
802296	BRCA1	G	A	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2015), Counsyl (2018), Integrated Genetics/Laboratory Corporation of America (2019)
802297	BRCA1	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
802298	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
804262	BRCA2	A	C	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
804263	BRCA2	G	T	GG	Increased Risk of Breast and/or Ovarian Cancer	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
804264	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802612	BRCA1	A	G	AA	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	26467025, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2015), Ambry Genetics (2016)
802613	BRCA1	A	G	AA	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	26467025, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2015), Ambry Genetics (2016)
802614	BRCA1	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 26467025, 28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2017), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2019), Laboratory for Molecular Medicine/Partners HealthCare Personalized Medicine (2019)
803572	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), GeneDx (2017)
803573	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), GeneDx (2017)
803574	BRCA2	C	A	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2015), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2019)
802946	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Division Human Genetics/Medical University Innsbruck (2015), CHEO Genetics Diagnostic Laboratory/Children's Hospital of Eastern Ontario (2015), Ambry Genetics (2016), Integrated Genetics/Laboratory Corporation of America (2018)
802947	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802948	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802299	BRCA1	C	T	CC	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), GeneDx (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
802300	BRCA1	C	T	CC	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), GeneDx (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
802301	BRCA1	C	A	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
804265	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
804266	BRCA2	T	A	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Integrated Genetics/Laboratory Corporation of America (2018), GeneDx (2018), Color (2019)
804267	BRCA2	T	A	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Integrated Genetics/Laboratory Corporation of America (2018), GeneDx (2018), Color (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802615	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 26467025, 28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Amby Genetics (2017), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2019), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2019)
802616	BRCA1	A	C	AA	Increased Risk of Hereditary cancer-predisposing syndrome	28492532, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Amby Genetics (2015), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017), Integrated Genetics/Laboratory Corporation of America (2019)
802617	BRCA1	A	C	AA	Increased Risk of Breast and/or Ovarian Cancer	28492532, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Amby Genetics (2015), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017), Integrated Genetics/Laboratory Corporation of America (2019)
803575	BRCA2	C	A	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 26467025, 28492532, Invitae (2013), Amby Genetics (2014), GeneDx (2015), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2019)
803576	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	24033266, 25741868, 25741868, 26467025, 28492532, Amby Genetics (2014), CSER_CC_NCGL; University of Washington Medical Center (2014), GeneDx (2015), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017), Integrated Genetics/Laboratory Corporation of America (2018)
803577	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	24033266, 25741868, 25741868, 26467025, 28492532, Amby Genetics (2014), CSER_CC_NCGL; University of Washington Medical Center (2014), GeneDx (2015), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017), Integrated Genetics/Laboratory Corporation of America (2018)
804268	BRCA2	G	T	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	, Sharing Clinical Reports Project (SCR) (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014)
804269	BRCA2	A	C	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Amby Genetics (2017)
804270	BRCA2	A	C	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Amby Genetics (2017)
802618	BRCA1	G	T	GG	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 28492532, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Amby Genetics (2017), GeneDx (2017), Color (2019)
802619	BRCA1	G	T	GG	Increased Risk of Breast and/or Ovarian Cancer	25741868, 28492532, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Amby Genetics (2017), GeneDx (2017), Color (2019)
802620	BRCA1	G	A	GG	Increased Risk of Hereditary cancer-predisposing syndrome	26467025, 28492532, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Amby Genetics (2017), GeneDx (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017)
802302	BRCA1	C	A	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	28492532, Sharing Clinical Reports Project (SCR) (2012), Invitae (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Amby Genetics (2017)
802303	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCR) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
802304	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868
70788	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	Gayther (1997)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
801300	BRCA1	T	C	--	Likely harmless variant (previously associated with Breast Cancer)	Schoumacher (2001)
802949	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	28492532, Sharing Clinical Reports Project (SCRP) (2012), GeneDx (2016), Invitae (2017), Ambry Genetics (2017)
802950	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	28492532, Sharing Clinical Reports Project (SCRP) (2012), GeneDx (2016), Invitae (2017), Ambry Genetics (2017)
802951	BRCA2	A	C	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
803578	BRCA2	C	G	CC	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
803579	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2016), GeneDx (2017), Counsyl (2017), Color (2019)
803580	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2016), GeneDx (2017), Counsyl (2017), Color (2019)
804271	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017), Color (2019)
804272	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017), Color (2019)
804273	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018), DNA and Cytogenetics Diagnostics Unit, Erasmus Medical Center (2018)
802305	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
802306	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
802307	BRCA1	C	T	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Invitae (2017), Counsyl (2017), Color (2018)
803581	BRCA2	C	G	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Color (2019)
803582	BRCA2	C	G	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Color (2019)
803583	BRCA2	A	C	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
802952	BRCA2	T	C	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
802953	BRCA2	C	A	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), GeneDx (2015), Invitae (2018), Color (2019)
802954	BRCA2	C	A	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), GeneDx (2015), Invitae (2018), Color (2019)
802621	BRCA1	G	A	GG	Increased Risk of Breast and/or Ovarian Cancer	26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2017), GeneDx (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802622	BRCA1	C	A	CC	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
802623	BRCA1	C	A	CC	Increased Risk of Breast and/or Ovarian Cancer	25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
802955	BRCA2	A	C	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2017)
802956	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Baylor Genetics (2017), GeneDx (2017)
802957	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Baylor Genetics (2017), GeneDx (2017)
804274	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
804275	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
804276	BRCA2	C	G	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
802308	BRCA1	C	T	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Invitae (2017), Counsyl (2017), Color (2018)
802309	BRCA1	T	C	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802310	BRCA1	T	C	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
803584	BRCA2	G	C	GG	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 25741868, 25741868, 28492532, GeneDx (2013), Ambry Genetics (2014), Michigan Medical Genetics Laboratories, University of Michigan (2016), PreventionGenetics, PreventionGenetics (2018), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
803585	BRCA2	G	C	GG	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 25741868, 25741868, 28492532, GeneDx (2013), Ambry Genetics (2014), Michigan Medical Genetics Laboratories, University of Michigan (2016), PreventionGenetics, PreventionGenetics (2018), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
803586	BRCA2	A	C	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	24033266, 24884479, 25741868, 25741868, 25741868, 28492532, Biesecker Lab/Clinical Genomics Section, National Institutes of Health (2013), GeneDx (2013), Ambry Genetics (2014), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017), Integrated Genetics/Laboratory Corporation of America (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802624	BRCA1	A	G	AA	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Department of Medical Genetics, Oslo University Hospital (2017)
802625	BRCA1	A	G	AA	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Department of Medical Genetics, Oslo University Hospital (2017)
802626	BRCA1	C	T	CC	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), GeneDx (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
802958	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802959	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802960	BRCA2	G	T	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Invitae (2017), Counsyl (2017)
804277	BRCA2	G	T	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Color (2018)
804278	BRCA2	G	T	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Color (2018)
804279	BRCA2	G	T	GG	Increased Risk of Breast and/or Ovarian Cancer	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
802311	BRCA1	C	G	CC	Increased Risk of Breast and/or Ovarian Cancer	25741868
802312	BRCA1	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2018), Mendelics (2018)
802313	BRCA1	T	G	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)
803587	BRCA2	A	C	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	24033266, 24884479, 25741868, 25741868, 25741868, 28492532, Biesecker Lab/Clinical Genomics Section, National Institutes of Health (2013), GeneDx (2013), Ambry Genetics (2014), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017), Integrated Genetics/Laboratory Corporation of America (2018)
803588	BRCA2	T	C	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
803589	BRCA2	G	C	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Counsyl (2018), Color (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802627	BRCA1	C	T	CC	Increased Risk of Breast and/or Ovarian Cancer	25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), GeneDx (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
802628	BRCA1	C	G	CC	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2018), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2019)
802629	BRCA1	C	G	CC	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2018), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2019)
804280	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
804281	BRCA2	C	A	CC	Increased Risk of Breast and/or Ovarian Cancer	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
804282	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2015), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802314	BRCA1	T	G	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)
802315	BRCA1	G	C	GG	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	, Sharing Clinical Reports Project (SCRP) (2012), GeneDx (2018)
802316	BRCA1	C	A	CC	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2018)
802961	BRCA2	G	T	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Invitae (2017), Counsyl (2017)
802962	BRCA2	I	D	II	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2016), Ambry Genetics (2017)
802963	BRCA2	I	D	II	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2016), Ambry Genetics (2017)
802630	BRCA1	G	T	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2017), Invitae (2017), Color (2019)
802631	BRCA1	G	T	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2017), Invitae (2017), Color (2019)
802632	BRCA1	C	T	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Foulkes Cancer Genetics LDI, Lady Davis Institute for Medical Research (2018), Integrated Genetics/Laboratory Corporation of America (2019)
803590	BRCA2	G	C	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Counsyl (2018), Color (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
803591	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Ambry Genetics (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017)
803592	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Ambry Genetics (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017)
802964	BRCA2	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
802965	BRCA2	I	D	II	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2017), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802966	BRCA2	I	D	II	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2017), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Integrated Genetics/Laboratory Corporation of America (2018)
804283	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2015), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2018)
804284	BRCA2	T	C	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Sharing Clinical Reports Project (SCRP) (2014), Counsyl (2018)
804285	BRCA2	T	C	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Sharing Clinical Reports Project (SCRP) (2014), Counsyl (2018)
802317	BRCA1	C	A	CC	Increased Risk of Breast and/or Ovarian Cancer	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2018)
802318	BRCA1	D	I	DD	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2019)
802319	BRCA1	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)
803593	BRCA2	G	T	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2016), GeneDx (2017), Invitae (2017), Integrated Genetics/Laboratory Corporation of America (2018)
803594	BRCA2	G	T	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2016), GeneDx (2017), Invitae (2017), Integrated Genetics/Laboratory Corporation of America (2018)
803595	BRCA2	T	C	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), GeneDx (2016), Invitae (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
802633	BRCA1	C	T	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Foulkes Cancer Genetics LDI, Lady Davis Institute for Medical Research (2018), Integrated Genetics/Laboratory Corporation of America (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802634	BRCA1	C	T	CC	Increased Risk of Breast and/or Ovarian Cancer	11157798, 21946536, 24033266, 25741868, 25741868, 25741868, 26467025, 28492532, OMIM (2012), Ambry Genetics (2014), Division Human Genetics, Medical University Innsbruck (2015), GeneDx (2015), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017)
802635	BRCA1	C	T	CC	Increased Risk of Hereditary cancer-predisposing syndrome	11157798, 21946536, 24033266, 25741868, 25741868, 26467025, 28492532, OMIM (2012), Ambry Genetics (2014), Division Human Genetics, Medical University Innsbruck (2015), GeneDx (2015), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017)
802320	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRIP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)
802322	BRCA1	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	28492532, Sharing Clinical Reports Project (SCRIP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2019)
802323	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	28492532, Sharing Clinical Reports Project (SCRIP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2019)
804286	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
804287	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
804288	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Wilms tumor 1)	25741868, 25741868, 25741868, 26467025, Ambry Genetics (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Counsyl (2018), Mendelics (2018), Fulgent Genetics, Fulgent Genetics (2019)
802967	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRIP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802968	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRIP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802969	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRIP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2017), Department of Pathology and Laboratory Medicine, Sinai Health System (2017)
803596	BRCA2	T	C	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	26467025, 28492532, Sharing Clinical Reports Project (SCRIP) (2012), Ambry Genetics (2014), GeneDx (2016), Invitae (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
803597	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, Sharing Clinical Reports Project (SCRIP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017), GeneDx (2017), Counsyl (2017)
803598	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, Sharing Clinical Reports Project (SCRIP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017), GeneDx (2017), Counsyl (2017)
802636	BRCA1	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
802637	BRCA1	C	T	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	28492532, Sharing Clinical Reports Project (SCRIP) (2012), Invitae (2015), Ambry Genetics (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802638	BRCA1	C	T	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	28492532, Sharing Clinical Reports Project (SCR) (2012), Invitae (2015), Ambry Genetics (2016)
802324	BRCA1	G	A	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 25741868, Sharing Clinical Reports Project (SCR) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Genetic Services Laboratory, University of Chicago (2017), Department of Pathology and Laboratory Medicine,Sinai Health System (2017)
802325	BRCA1	G	A	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 25741868, Sharing Clinical Reports Project (SCR) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Genetic Services Laboratory, University of Chicago (2017), Department of Pathology and Laboratory Medicine,Sinai Health System (2017)
804289	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Glioma susceptibility 3)	25741868, 25741868, 25741868, 26467025, Ambry Genetics (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Counsyl (2018), Mendelics (2018), Fulgent Genetics,Fulgent Genetics (2019)
804290	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 25741868, 26467025, Ambry Genetics (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Counsyl (2018), Mendelics (2018), Fulgent Genetics,Fulgent Genetics (2019)
804291	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Malignant tumor of prostate)	25741868, 25741868, 25741868, 26467025, Ambry Genetics (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Counsyl (2018), Mendelics (2018), Fulgent Genetics,Fulgent Genetics (2019)
802970	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCR) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2017), Department of Pathology and Laboratory Medicine,Sinai Health System (2017)
802971	BRCA2	G	A	GG	Likely Harmless Variant (previously associated with Large Cell/Anaplastic Medulloblastoma)	25741868, 25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Division of Genomic Diagnostics,The Children's Hospital of Philadelphia (2015), Ambry Genetics (2015), GeneDx (2015)
802972	BRCA2	G	A	GG	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Division of Genomic Diagnostics,The Children's Hospital of Philadelphia (2015), Ambry Genetics (2015), GeneDx (2015)
803599	BRCA2	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	28492532, Sharing Clinical Reports Project (SCR) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2019)
803600	BRCA2	T	C	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
803601	BRCA2	G	T	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Counsyl (2017), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802639	BRCA1	G	A	GG	Variant of Unknown Significance (possibly associated with Craniopharyngioma)	25741868, 25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCR) (2012), Ambry Genetics (2014), CSER_CC_NCGL; University of Washington Medical Center (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2017)
802640	BRCA1	G	A	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCR) (2012), Ambry Genetics (2014), CSER_CC_NCGL; University of Washington Medical Center (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2017)
802641	BRCA1	G	A	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCR) (2012), Ambry Genetics (2014), CSER_CC_NCGL; University of Washington Medical Center (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802326	BRCA1	C	T	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2015), GeneDx (2016), Invitae (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802327	BRCA1	C	T	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2015), GeneDx (2016), Invitae (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802328	BRCA1	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017), GeneDx (2018), Integrated Genetics/Laboratory Corporation of America (2019)
804292	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Medulloblastoma)	25741868, 25741868, 25741868, 26467025, Ambry Genetics (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Counsyl (2018), Mendelics (2018), Fulgent Genetics, Fulgent Genetics (2019)
804293	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Pancreatic cancer 2)	25741868, 25741868, 25741868, 26467025, Ambry Genetics (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Counsyl (2018), Mendelics (2018), Fulgent Genetics, Fulgent Genetics (2019)
804294	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 25741868, 26467025, Ambry Genetics (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Counsyl (2018), Mendelics (2018), Fulgent Genetics, Fulgent Genetics (2019)
802973	BRCA2	G	A	GG	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Division of Genomic Diagnostics, The Children's Hospital of Philadelphia (2015), Ambry Genetics (2015), GeneDx (2015)
802974	BRCA2	I	D	II	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Ambry Genetics (2015), GeneDx (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Counsyl (2017), Color (2018)
802975	BRCA2	I	D	II	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Ambry Genetics (2015), GeneDx (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Counsyl (2017), Color (2018)
803602	BRCA2	G	T	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Counsyl (2017), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
803603	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Counsyl (2018), Integrated Genetics/Laboratory Corporation of America (2019)
803604	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Counsyl (2018), Integrated Genetics/Laboratory Corporation of America (2019)
802642	BRCA1	T	C	TT	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Color (2018), Counsyl (2018)
802643	BRCA1	T	C	TT	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Color (2018), Counsyl (2018)
802644	BRCA1	C	G	CC	Increased Risk of Breast and/or Ovarian Cancer	26467025, 26845104, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), University of Washington Department of Laboratory Medicine, University of Washington (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Integrated Genetics/Laboratory Corporation of America (2019)
802329	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017), GeneDx (2018), Integrated Genetics/Laboratory Corporation of America (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802330	BRCA1	C	A	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), GeneDx (2015), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802331	BRCA1	C	A	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), GeneDx (2015), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2018)
804295	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	28492532, Invitae (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
804296	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
804297	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), Integrated Genetics/Laboratory Corporation of America (2018), Mendelics (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
802976	BRCA2	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014)
802977	BRCA2	G	T	GG	Increased Risk of Breast and/or Ovarian Cancer	28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Invitae (2018), Foulkes Cancer Genetics LDI, Lady Davis Institute for Medical Research (2018)
802978	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
803605	BRCA2	I	D	II	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
803606	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Counsyl (2018), Integrated Genetics/Laboratory Corporation of America (2019)
803607	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Counsyl (2018), Integrated Genetics/Laboratory Corporation of America (2019)
802645	BRCA1	C	A	CC	Increased Risk of Hereditary cancer-predisposing syndrome	28492532, Ambry Genetics (2017), Invitae (2018)
802646	BRCA1	C	A	CC	Increased Risk of Breast and/or Ovarian Cancer	28492532, Ambry Genetics (2017), Invitae (2018)
802647	BRCA1	T	C	TT	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 26845104, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2018)
802332	BRCA1	G	A	GG	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Michigan Medical Genetics Laboratories, University of Michigan (2016), Ambry Genetics (2016), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017), GeneDx (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802333	BRCA1	G	A	GG	Increased Risk of Breast and/or Ovarian Cancer	25741868, 28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Michigan Medical Genetics Laboratories, University of Michigan (2016), Ambry Genetics (2016), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017), GeneDx (2018)
802334	BRCA1	G	A	GG	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	24033266, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 28492532, CSER_CC_NCGL; University of Washington Medical Center (2014), Ambry Genetics (2015), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017), Genetic Services Laboratory, University of Chicago (2017), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019)
803608	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Integrated Genetics/Laboratory Corporation of America (2018)
803609	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Integrated Genetics/Laboratory Corporation of America (2018)
804298	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), Integrated Genetics/Laboratory Corporation of America (2018), Mendelics (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
804299	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
804300	BRCA2	T	G	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
802648	BRCA1	T	C	TT	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 26845104, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2018)
802649	BRCA1	A	G	AA	Increased Risk of Hereditary cancer-predisposing syndrome	23269703, 23269703, 25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Integrated Genetics/Laboratory Corporation of America (2018), OMIM (2018), OMIM (2018), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
802650	BRCA1	A	G	AA	Increased Risk of Breast and/or Ovarian Cancer	23269703, 23269703, 25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Integrated Genetics/Laboratory Corporation of America (2018), OMIM (2018), OMIM (2018), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
802979	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
802980	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
802981	BRCA2	G	T	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017), GeneDx (2017), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802335	BRCA1	G	A	GG	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	24033266, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 28492532, CSER_CC_NGGL; University of Washington Medical Center (2014), Ambry Genetics (2015), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017), Genetic Services Laboratory, University of Chicago (2017), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019)
802336	BRCA1	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, Sharing Clinical Reports Project (SCR) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
803610	BRCA2	I	D	II	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
803611	BRCA2	G	T	GG	Increased Risk of Wilms tumor 1	25741868, 25741868, 26467025, Ambry Genetics (2016), Integrated Genetics/Laboratory Corporation of America (2018), GeneDx (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019), Fulgent Genetics, Fulgent Genetics (2019)
803612	BRCA2	G	T	GG	Increased Risk of Glioma susceptibility 3	25741868, 25741868, 26467025, Ambry Genetics (2016), Integrated Genetics/Laboratory Corporation of America (2018), GeneDx (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019), Fulgent Genetics, Fulgent Genetics (2019)
804301	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
804302	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
804303	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Counsyl (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
802982	BRCA2	G	T	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017), GeneDx (2017), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019)
802983	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Michigan Medical Genetics Laboratories, University of Michigan (2016), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2019)
802984	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Michigan Medical Genetics Laboratories, University of Michigan (2016), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2019)
802652	BRCA1	C	A	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	28492532, Sharing Clinical Reports Project (SCR) (2012), Ambry Genetics (2017), GeneDx (2017), Invitae (2017)
802653	BRCA1	C	A	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	28492532, Sharing Clinical Reports Project (SCR) (2012), Ambry Genetics (2017), GeneDx (2017), Invitae (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802654	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Invitae (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
802337	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, Sharing Clinical Reports Project (SCR) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
802338	BRCA1	C	A	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
802339	BRCA1	G	A	GG	Variant of Unknown Significance (possibly associated with B lymphoblastic leukemia lymphoma with hyperdiploidy)	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCR) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)
803613	BRCA2	G	T	GG	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 26467025, Ambry Genetics (2016), Integrated Genetics/Laboratory Corporation of America (2018), GeneDx (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019), Fulgent Genetics,Fulgent Genetics (2019)
803614	BRCA2	G	T	GG	Increased Risk of Malignant tumor of prostate	25741868, 25741868, 26467025, Ambry Genetics (2016), Integrated Genetics/Laboratory Corporation of America (2018), GeneDx (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019), Fulgent Genetics,Fulgent Genetics (2019)
803615	BRCA2	G	T	GG	Increased Risk of Medulloblastoma	25741868, 25741868, 26467025, Ambry Genetics (2016), Integrated Genetics/Laboratory Corporation of America (2018), GeneDx (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019), Fulgent Genetics,Fulgent Genetics (2019)
804304	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Counsyl (2017), Research Molecular Genetics Laboratory,Women's College Hospital, University of Toronto (2017)
804305	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2018), Invitae (2019)
804306	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2018), Invitae (2019)
802985	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory,Women's College Hospital, University of Toronto (2017)
802986	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory,Women's College Hospital, University of Toronto (2017)
802987	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	26467025, 28492532, Sharing Clinical Reports Project (SCR) (2012), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Counsyl (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802655	BRCA1	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
802656	BRCA1	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 26467025, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Integrated Genetics/Laboratory Corporation of America (2018)
802657	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 26467025, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Integrated Genetics/Laboratory Corporation of America (2018)
803616	BRCA2	G	T	GG	Increased Risk of Pancreatic cancer 2	25741868, 25741868, 26467025, Ambry Genetics (2016), Integrated Genetics/Laboratory Corporation of America (2018), GeneDx (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019), Fulgent Genetics,Fulgent Genetics (2019)
803617	BRCA2	G	T	GG	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 26467025, Ambry Genetics (2016), Integrated Genetics/Laboratory Corporation of America (2018), GeneDx (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019), Fulgent Genetics,Fulgent Genetics (2019)
803618	BRCA2	A	G	AA	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	, Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2017)
802340	BRCA1	G	A	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)
802341	BRCA1	G	A	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)
802342	BRCA1	G	A	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2018)
804307	BRCA2	A	T	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Foulkes Cancer Genetics LDI, Lady Davis Institute for Medical Research (2018)
804308	BRCA2	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
804309	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
802988	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Counsyl (2017)
802989	BRCA2	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Counsyl (2017)
802990	BRCA2	G	T	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), GeneDx (2015), Invitae (2018), Integrated Genetics/Laboratory Corporation of America (2019)
802658	BRCA1	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	24884479, 25741868, 25741868, 25741868, 25741868, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Pathway Genomics (2015), Integrated Genetics/Laboratory Corporation of America (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802659	BRCA1	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	24884479, 25741868, 25741868, 25741868, 25741868, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Pathway Genomics (2015), Integrated Genetics/Laboratory Corporation of America (2018)
802660	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
802343	BRCA1	G	A	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2018)
802344	BRCA1	T	C	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
802345	BRCA1	T	G	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
803619	BRCA2	C	G	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
803620	BRCA2	C	T	CC	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 26467025, 26467025, 28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Baylor Genetics (2017), GeneDx (2017), Counsyl (2017)
803621	BRCA2	C	T	CC	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 26467025, 26467025, 28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Baylor Genetics (2017), GeneDx (2017), Counsyl (2017)
804310	BRCA2	C	T	CC	Increased Risk of Breast and/or Ovarian Cancer	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Counsyl (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
804311	BRCA2	T	A	TT	Increased Risk of Breast and/or Ovarian Cancer	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
804312	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868
802991	BRCA2	G	T	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), GeneDx (2015), Invitae (2018), Integrated Genetics/Laboratory Corporation of America (2019)
802992	BRCA2	I	D	II	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	24033266, 25741868, 25741868, 28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2015), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802993	BRCA2	I	D	II	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	24033266, 25741868, 25741868, 28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2015), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802661	BRCA1	G	T	GG	Increased Risk of Hereditary cancer-predisposing syndrome	28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802662	BRCA1	G	T	GG	Increased Risk of Breast and/or Ovarian Cancer	28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802663	BRCA1	A	G	AA	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Counsyl (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802346	BRCA1	T	A	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2017)
802347	BRCA1	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
802348	BRCA1	T	C	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014)
804313	BRCA2	T	C	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017)
804314	BRCA2	T	C	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017)
804315	BRCA2	I	D	II	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
803622	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Counsyl (2017), Color (2019)
803623	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Counsyl (2017), Color (2019)
803624	BRCA2	C	T	CC	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), EGL Genetic Diagnostics, Eurofins Clinical Diagnostics (2016)
802994	BRCA2	T	A	TT	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
802995	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 26467025, 28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802996	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 26467025, 28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802349	BRCA1	I	D	II	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 26467025, 28492532, Ambry Genetics (2014), Michigan Medical Genetics Laboratories, University of Michigan (2016), Fulgent Genetics, Fulgent Genetics (2017), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019)
802350	BRCA1	I	D	II	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 26467025, 28492532, Ambry Genetics (2014), Michigan Medical Genetics Laboratories, University of Michigan (2016), Fulgent Genetics, Fulgent Genetics (2017), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019)
802664	BRCA1	A	G	AA	Increased Risk of Breast and/or Ovarian Cancer	25741868, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Counsyl (2018)
802665	BRCA1	C	T	CC	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802666	BRCA1	C	A	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	28492532, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2019)
804316	BRCA2	I	D	II	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2016), Counsyl (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019), Integrated Genetics/Laboratory Corporation of America (2019)
804317	BRCA2	I	D	II	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2016), Counsyl (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019), Integrated Genetics/Laboratory Corporation of America (2019)
804318	BRCA2	I	D	II	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
802997	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 26467025, 26467025, 28492532, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802998	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 26467025, 26467025, 28492532, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802999	BRCA2	G	C	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
803625	BRCA2	C	T	CC	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCR) (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), EGL Genetic Diagnostics, Eurofins Clinical Diagnostics (2016)
803626	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 26467025, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017), Mendelics (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
803627	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 26467025, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017), Mendelics (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
802667	BRCA1	C	A	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	28492532, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2019)
802668	BRCA1	C	G	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014)
802669	BRCA1	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
802351	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCR) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
802352	BRCA1	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	25741868
802353	BRCA1	C	T	CC	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	25741868, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Pathway Genomics (2014), Color (2019)
804319	BRCA2	C	A	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
804320	BRCA2	C	A	CC	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2017)
804321	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
803628	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Cancer of the pancreas)	25741868, 25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2017), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2019)
803629	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2017), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2019)
803630	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2017), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2019)
803000	BRCA2	C	T	CC	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
803001	BRCA2	C	T	CC	Increased Risk of Breast and/or Ovarian Cancer	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
803002	BRCA2	D	I	DD	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2018), Integrated Genetics/Laboratory Corporation of America (2019)
802670	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
802671	BRCA1	G	C	GG	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Department of Medical Genetics, University Hospital of North Norway (2016), Ambry Genetics (2017), GeneDx (2017)
802672	BRCA1	G	C	GG	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Department of Medical Genetics, University Hospital of North Norway (2016), Ambry Genetics (2017), GeneDx (2017)
802354	BRCA1	C	T	CC	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Pathway Genomics (2014), Color (2019)
802355	BRCA1	D	I	DD	Increased Risk of Hereditary cancer-predisposing syndrome	, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
802356	BRCA1	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
804322	BRCA2	T	C	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
804323	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 26467025, Division Human Genetics, Medical University Innsbruck (2015), Sharing Clinical Reports Project (SCRP) (2016), Ambry Genetics (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Integrated Genetics/Laboratory Corporation of America (2018)
804324	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 26467025, Division Human Genetics, Medical University Innsbruck (2015), Sharing Clinical Reports Project (SCRP) (2016), Ambry Genetics (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Integrated Genetics/Laboratory Corporation of America (2018)
803003	BRCA2	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	25741868, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2018), Integrated Genetics/Laboratory Corporation of America (2019)
803004	BRCA2	C	A	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 26467025, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2017)
803005	BRCA2	C	A	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 26467025, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2017)
804325	BRCA2	T	C	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
804326	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
804327	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
803631	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	, Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Ambry Genetics (2017)
803632	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	, Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Ambry Genetics (2017)
803633	BRCA2	G	T	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
804328	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
804329	BRCA2	A	C	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
804330	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
802673	BRCA1	T	C	TT	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2015), Invitae (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802674	BRCA1	T	C	TT	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2015), Invitae (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2017), Integrated Genetics/Laboratory Corporation of America (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802675	BRCA1	T	C	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2016), Ambry Genetics (2016), Integrated Genetics/Laboratory Corporation of America (2018)
802357	BRCA1	T	A	TT	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2019)
802358	BRCA1	T	A	TT	Increased Risk of Breast and/or Ovarian Cancer	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2019)
802359	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
803006	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
803007	BRCA2	I	D	II	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Invitae (2015), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2019)
803008	BRCA2	I	D	II	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Invitae (2015), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2019)
803634	BRCA2	A	C	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
803635	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	24033266, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2014), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), GeneDx (2017)
803636	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	24033266, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2014), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), GeneDx (2017)
804331	BRCA2	C	A	CC	Increased Risk of Breast and/or Ovarian Cancer	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
804332	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
804333	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
802676	BRCA1	T	C	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2016), Ambry Genetics (2016), Integrated Genetics/Laboratory Corporation of America (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802677	BRCA1	C	T	CC	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 26467025, 28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), Counsyl (2015), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2019)
802678	BRCA1	C	T	CC	Increased Risk of Breast and/or Ovarian Cancer	25741868, 26467025, 28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), Counsyl (2015), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2019)
803009	BRCA2	T	C	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
803010	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2015), GeneDx (2016), Invitae (2016), Integrated Genetics/Laboratory Corporation of America (2018)
803011	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2015), GeneDx (2016), Invitae (2016), Integrated Genetics/Laboratory Corporation of America (2018)
802360	BRCA1	G	A	GG	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 25741868, 28492532, Ambry Genetics (2015), GeneDx (2015), EGL Genetic Diagnostics,Eurofins Clinical Diagnostics (2015), CSER_CC_NCGL; University of Washington Medical Center (2017), PreventionGenetics,PreventionGenetics (2018)
802361	BRCA1	G	A	GG	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 25741868, 28492532, Ambry Genetics (2015), GeneDx (2015), EGL Genetic Diagnostics,Eurofins Clinical Diagnostics (2015), CSER_CC_NCGL; University of Washington Medical Center (2017), PreventionGenetics,PreventionGenetics (2018)
802362	BRCA1	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2017), Counsyl (2017)
803637	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	28492532, Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014)
803638	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	28492532, Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014)
803639	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2018)
804334	BRCA2	G	T	GG	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Color (2019)
804335	BRCA2	G	T	GG	Increased Risk of Breast and/or Ovarian Cancer	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Color (2019)
804336	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Ambry Genetics (2017), Color (2018)
802679	BRCA1	A	C	AA	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), GeneDx (2017), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2019)
802680	BRCA1	A	C	AA	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), GeneDx (2017), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2019)
802681	BRCA1	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), GeneDx (2017), Invitae (2017), Counsyl (2018), Color (2019)
802363	BRCA1	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2017), Counsyl (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802364	BRCA1	T	G	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802365	BRCA1	T	G	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
803012	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Laboratory of Molecular Diagnosis of Cancer, West China Hospital, Sichuan University (2016), GeneDx (2017)
803013	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Laboratory of Molecular Diagnosis of Cancer, West China Hospital, Sichuan University (2016), GeneDx (2017)
803014	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, Sharing Clinical Reports Project (SCRP) (2012), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Counsyl (2017)
803640	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2018)
803641	BRCA2	A	T	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 26467025, 26467025, 28492532, GeneDx (2013), Ambry Genetics (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Counsyl (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
803642	BRCA2	A	T	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 26467025, 26467025, 28492532, GeneDx (2013), Ambry Genetics (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Counsyl (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
804337	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Ambry Genetics (2017), Color (2018)
804338	BRCA2	A	C	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), GeneDx (2017), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019), Integrated Genetics/Laboratory Corporation of America (2019)
804339	BRCA2	A	C	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), GeneDx (2017), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019), Integrated Genetics/Laboratory Corporation of America (2019)
802366	BRCA1	D	I	DD	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Fulgent Genetics, Fulgent Genetics (2017), Ambry Genetics (2017)
802367	BRCA1	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Fulgent Genetics, Fulgent Genetics (2017), Ambry Genetics (2017)
802368	BRCA1	C	T	CC	Increased Risk of Breast and/or Ovarian Cancer	25741868, 26467025, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802682	BRCA1	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), GeneDx (2017), Invitae (2017), Counsyl (2018), Color (2019)
802683	BRCA1	I	D	II	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802684	BRCA1	I	D	II	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2018)
803015	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, Sharing Clinical Reports Project (SCRP) (2012), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Counsyl (2017)
803016	BRCA2	A	T	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2015), GeneDx (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Integrated Genetics/Laboratory Corporation of America (2018)
803017	BRCA2	A	T	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2015), GeneDx (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Integrated Genetics/Laboratory Corporation of America (2018)
803643	BRCA2	C	A	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 26467025, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Department of Pathology and Laboratory Medicine,Sinai Health System (2017), PreventionGenetics,PreventionGenetics (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
803644	BRCA2	T	C	TT	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2017), Color (2019)
803645	BRCA2	T	C	TT	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2017), Color (2019)
804340	BRCA2	C	G	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	26467025, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019), Integrated Genetics/Laboratory Corporation of America (2019)
804341	BRCA2	C	G	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	26467025, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019), Integrated Genetics/Laboratory Corporation of America (2019)
804342	BRCA2	G	A	GG	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Counsyl (2018)
802369	BRCA1	C	T	CC	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 26467025, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2019)
802370	BRCA1	G	T	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016), Mendelics (2018)
802371	BRCA1	G	T	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016), Mendelics (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
803018	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
803019	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 26467025, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), GeneDx (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016)
803020	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 26467025, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), GeneDx (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016)
802685	BRCA1	A	G	AA	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2019)
802686	BRCA1	A	G	AA	Increased Risk of Breast and/or Ovarian Cancer	25741868, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2019)
802687	BRCA1	C	A	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Integrated Genetics/Laboratory Corporation of America (2019), Color (2019)
803646	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017)
803647	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017)
803648	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
804343	BRCA2	G	A	GG	Increased Risk of Breast and/or Ovarian Cancer	25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Counsyl (2018)
804344	BRCA2	T	A	TT	Increased Risk of Breast and/or Ovarian Cancer	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
804345	BRCA2	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
802372	BRCA1	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	25741868
802373	BRCA1	A	C	AA	Increased Risk of Breast and/or Ovarian Cancer	25741868, 26467025, 28492532, GeneDx (2013), Ambry Genetics (2014), Baylor Genetics (2017), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802374	BRCA1	A	C	AA	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 26467025, 28492532, GeneDx (2013), Ambry Genetics (2014), Baylor Genetics (2017), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Integrated Genetics/Laboratory Corporation of America (2018)
803021	BRCA2	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), GeneDx (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
803022	BRCA2	D	I	DD	Increased Risk of Hereditary cancer-predisposing syndrome	26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), GeneDx (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
803023	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2017), Invitae (2018)
802688	BRCA1	C	A	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Integrated Genetics/Laboratory Corporation of America (2019), Color (2019)
802689	BRCA1	T	G	TT	Increased Risk of Breast and/or Ovarian Cancer	25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Foulkes Cancer Genetics LDI, Lady Davis Institute for Medical Research (2018)
802690	BRCA1	I	D	II	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2017), Invitae (2018), Counsyl (2018)
803649	BRCA2	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
803650	BRCA2	G	T	GG	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneKor MSA (2016), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019)
803651	BRCA2	C	A	CC	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 28492532, Invitae (2013), GeneDx (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Ambry Genetics (2016), Integrated Genetics/Laboratory Corporation of America (2018)
804346	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
804347	BRCA2	A	C	AA	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Mendelics (2018), Color (2018)
804348	BRCA2	A	C	AA	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Mendelics (2018), Color (2018)
802691	BRCA1	I	D	II	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2017), Invitae (2018), Counsyl (2018)
802692	BRCA1	D	I	DD	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2016), GeneDx (2016), Invitae (2017)
802693	BRCA1	D	I	DD	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2016), GeneDx (2016), Invitae (2017)
802375	BRCA1	T	C	TT	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Michigan Medical Genetics Laboratories, University of Michigan (2016), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Integrated Genetics/Laboratory Corporation of America (2018), PreventionGenetics, PreventionGenetics (2018)
802376	BRCA1	T	C	TT	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Michigan Medical Genetics Laboratories, University of Michigan (2016), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Integrated Genetics/Laboratory Corporation of America (2018), PreventionGenetics, PreventionGenetics (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802377	BRCA1	G	C	GG	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 26467025, 26845104, 28492532, Sharing Clinical Reports Project (SCRP) (2012), GeneDx (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), Integrated Genetics/Laboratory Corporation of America (2018)
803024	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2017), Invitae (2018)
803025	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2016), Invitae (2016), Michigan Medical Genetics Laboratories, University of Michigan (2016)
803026	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2016), Invitae (2016), Michigan Medical Genetics Laboratories, University of Michigan (2016)
803652	BRCA2	C	A	CC	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 28492532, Invitae (2013), GeneDx (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Ambry Genetics (2016), Integrated Genetics/Laboratory Corporation of America (2018)
803653	BRCA2	C	T	CC	Increased Risk of Breast and/or Ovarian Cancer	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneKor MSA (2018)
803654	BRCA2	C	T	CC	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Counsyl (2015), GeneDx (2015), Ambry Genetics (2015), EGL Genetic Diagnostics, Eurofins Clinical Diagnostics (2015), Integrated Genetics/Laboratory Corporation of America (2018)
804349	BRCA2	G	C	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017), GeneDx (2017), Counsyl (2018)
804350	BRCA2	G	C	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017), GeneDx (2017), Counsyl (2018)
804351	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
802694	BRCA1	C	T	CC	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 25741868, 25741868, 28492532, GeneDx (2014), Ambry Genetics (2015), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Integrated Genetics/Laboratory Corporation of America (2018), PreventionGenetics, PreventionGenetics (2018)
802695	BRCA1	C	T	CC	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 25741868, 25741868, 28492532, GeneDx (2014), Ambry Genetics (2015), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Integrated Genetics/Laboratory Corporation of America (2018), PreventionGenetics, PreventionGenetics (2018)
802696	BRCA1	T	C	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2017), Invitae (2017), Counsyl (2017)
803027	BRCA2	G	T	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Fulgent Genetics, Fulgent Genetics (2017)
803028	BRCA2	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2016), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019)
803029	BRCA2	D	I	DD	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2016), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019)
802378	BRCA1	G	C	GG	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 26467025, 26845104, 28492532, Sharing Clinical Reports Project (SCRP) (2012), GeneDx (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), Integrated Genetics/Laboratory Corporation of America (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802379	BRCA1	T	C	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 28492532, Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)
802380	BRCA1	T	C	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 28492532, Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)
803655	BRCA2	C	T	CC	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Counsyl (2015), GeneDx (2015), Ambry Genetics (2015), EGL Genetic Diagnostics, Eurofins Clinical Diagnostics (2015), Integrated Genetics/Laboratory Corporation of America (2018)
803656	BRCA2	C	T	CC	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), GeneDx (2017)
803657	BRCA2	C	T	CC	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), GeneDx (2017)
804352	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
804353	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
804354	BRCA2	C	T	CC	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2017)
802697	BRCA1	T	C	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2017), Invitae (2017), Counsyl (2017)
802698	BRCA1	T	G	TT	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 25741868, 25741868, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2015), Integrated Genetics/Laboratory Corporation of America (2018)
802699	BRCA1	T	G	TT	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 25741868, 25741868, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2015), Integrated Genetics/Laboratory Corporation of America (2018)
803030	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Counsyl (2015), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017)
803031	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Counsyl (2015), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017)
803032	BRCA2	T	C	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Color (2018)
802381	BRCA1	T	C	TT	Variant of Unknown Significance (possibly associated with Neuroblastoma)	25741868, 25741868, 28492532, Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802382	BRCA1	C	A	CC	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 26467025, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
802383	BRCA1	C	A	CC	Increased Risk of Breast and/or Ovarian Cancer	25741868, 26467025, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
803658	BRCA2	T	G	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2015), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2019)
803659	BRCA2	T	G	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2015), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2019)
803660	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
804355	BRCA2	T	A	TT	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Department of Medical Genetics, Oslo University Hospital (2017), Ambry Genetics (2017), Color (2017)
804356	BRCA2	T	A	TT	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Department of Medical Genetics, Oslo University Hospital (2017), Ambry Genetics (2017), Color (2017)
804357	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
803033	BRCA2	T	C	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Color (2018)
803034	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), GeneDx (2016), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019)
803035	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), GeneDx (2016), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019)
802700	BRCA1	T	C	TT	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)
802701	BRCA1	T	C	TT	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)
802702	BRCA1	C	A	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 26467025, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Ambry Genetics (2015), Counsyl (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802384	BRCA1	T	G	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Ambry Genetics (2014), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), GeneDx (2017), Invitae (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802385	BRCA1	T	G	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Ambry Genetics (2014), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), GeneDx (2017), Invitae (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802386	BRCA1	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
803661	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Invitae (2013), Ambry Genetics (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Integrated Genetics/Laboratory Corporation of America (2018)
803662	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Invitae (2013), Ambry Genetics (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Integrated Genetics/Laboratory Corporation of America (2018)
803663	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2019)
804358	BRCA2	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
804359	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
804360	BRCA2	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
803036	BRCA2	G	C	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), GeneDx (2015), Invitae (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Color (2018)
803037	BRCA2	G	C	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), GeneDx (2015), Invitae (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Color (2018)
803038	BRCA2	C	G	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018), Counsyl (2018)
802387	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
802388	BRCA1	D	I	DD	Increased Risk of Hereditary cancer-predisposing syndrome	, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802389	BRCA1	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCR) (2012), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2018)
802703	BRCA1	C	A	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 26467025, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Ambry Genetics (2015), Counsyl (2017)
802704	BRCA1	G	A	GG	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCR) (2012), Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Department of Pathology and Molecular Medicine, Queen's University (2017), Color (2018)
802705	BRCA1	G	A	GG	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCR) (2012), Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Department of Pathology and Molecular Medicine, Queen's University (2017), Color (2018)
803664	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2019)
803665	BRCA2	C	A	CC	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2017)
803666	BRCA2	A	T	AA	Increased Risk of Hereditary cancer-predisposing syndrome	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), GeneDx (2018)
804361	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
804362	BRCA2	C	T	CC	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
804363	BRCA2	C	T	CC	Increased Risk of Breast and/or Ovarian Cancer	25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
803039	BRCA2	C	G	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018), Counsyl (2018)
803040	BRCA2	I	D	II	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
803041	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 26467025, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
802390	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), GeneDx (2017), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019)
802391	BRCA1	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), GeneDx (2017), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802392	BRCA1	C	T	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
802706	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Division Human Genetics, Medical University Innsbruck (2015), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2018)
802707	BRCA1	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Division Human Genetics, Medical University Innsbruck (2015), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2018)
802708	BRCA1	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCR) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Integrated Genetics/Laboratory Corporation of America (2019)
803667	BRCA2	A	T	AA	Increased Risk of Breast and/or Ovarian Cancer	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), GeneDx (2018)
803668	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	26467025, 28492532, Invitae (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), GeneDx (2017)
803669	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
804364	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
804365	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
804366	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
803042	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 26467025, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
803043	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCR) (2012), Ambry Genetics (2015), Michigan Medical Genetics Laboratories, University of Michigan (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Invitae (2018)
803044	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCR) (2012), Ambry Genetics (2015), Michigan Medical Genetics Laboratories, University of Michigan (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Invitae (2018)
802393	BRCA1	T	C	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCR) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2017), Color (2019)
802394	BRCA1	T	C	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCR) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2017), Color (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802395	BRCA1	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018), Invitae (2019)
802709	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Integrated Genetics/Laboratory Corporation of America (2019)
802710	BRCA1	T	A	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2016), Integrated Genetics/Laboratory Corporation of America (2018), Color (2019)
802711	BRCA1	T	A	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2016), Integrated Genetics/Laboratory Corporation of America (2018), Color (2019)
804367	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
804368	BRCA2	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
804369	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
803670	BRCA2	G	T	GG	Increased Risk of Breast and/or Ovarian Cancer	, Invitae (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
803671	BRCA2	A	C	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2013), GeneDx (2015), Counsyl (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Mendelics (2018)
803672	BRCA2	A	C	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2013), GeneDx (2015), Counsyl (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Mendelics (2018)
803045	BRCA2	I	D	II	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2018), Color (2018)
803046	BRCA2	I	D	II	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2018), Color (2018)
803047	BRCA2	G	A	GG	Increased Risk of Breast and/or Ovarian Cancer	25741868, Sharing Clinical Reports Project (SCRP) (2012), Color (2019)
802396	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018), Invitae (2019)
802397	BRCA1	A	C	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2016), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2019), Color (2019)
802398	BRCA1	A	C	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2016), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2019), Color (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802712	BRCA1	A	C	AA	Increased Risk of Hereditary cancer-predisposing syndrome	26467025, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017)
802713	BRCA1	A	C	AA	Increased Risk of Breast and/or Ovarian Cancer	26467025, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017)
802714	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 26467025, 28492532, Ambry Genetics (2014), GeneDx (2015), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Integrated Genetics/Laboratory Corporation of America (2019), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2019)
804370	BRCA2	D	I	DD	Increased Risk of Hereditary cancer-predisposing syndrome	26467025, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2017), GeneDx (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
804371	BRCA2	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	26467025, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2017), GeneDx (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
804372	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, Laboratory of Molecular Diagnosis of Cancer, West China Hospital, Sichuan University (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
803673	BRCA2	T	G	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
803674	BRCA2	T	G	TT	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2017)
803675	BRCA2	D	I	DD	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2018), PreventionGenetics, PreventionGenetics (2018)
803048	BRCA2	G	A	GG	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, Sharing Clinical Reports Project (SCRP) (2012), Color (2019)
803049	BRCA2	C	A	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
803050	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), GeneDx (2017), Invitae (2017), Color (2019)
802399	BRCA1	G	A	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018), Genome Diagnostics Laboratory, University Medical Center Utrecht (2018)
802400	BRCA1	G	A	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018), Genome Diagnostics Laboratory, University Medical Center Utrecht (2018)
802401	BRCA1	T	C	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2015), EGL Genetic Diagnostics, Eurofins Clinical Diagnostics (2015), Integrated Genetics/Laboratory Corporation of America (2019)
804373	BRCA2	C	A	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
804374	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
804375	BRCA2	T	C	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016)
802715	BRCA1	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 26467025, 28492532, Ambry Genetics (2014), GeneDx (2015), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Integrated Genetics/Laboratory Corporation of America (2019), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2019)
802716	BRCA1	I	D	II	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2015), Invitae (2016), Integrated Genetics/Laboratory Corporation of America (2018)
802717	BRCA1	I	D	II	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2015), Invitae (2016), Integrated Genetics/Laboratory Corporation of America (2018)
803676	BRCA2	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2018), PreventionGenetics, PreventionGenetics (2018)
803677	BRCA2	C	G	CC	Increased Risk of Breast and/or Ovarian Cancer	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Genome Diagnostics Laboratory, University Medical Center Utrecht (2018), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018), DNA and Cytogenetics Diagnostics Unit, Erasmus Medical Center (2018)
803678	BRCA2	A	T	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Integrated Genetics/Laboratory Corporation of America (2018), Color (2019)
803051	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCR) (2012), Ambry Genetics (2014), GeneDx (2017), Invitae (2017), Color (2019)
803052	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCR) (2012), Ambry Genetics (2016), GeneDx (2016), Invitae (2016), Department of Pathology and Laboratory Medicine, Sinai Health System (2017)
803053	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCR) (2012), Ambry Genetics (2016), GeneDx (2016), Invitae (2016), Department of Pathology and Laboratory Medicine, Sinai Health System (2017)
802718	BRCA1	G	T	GG	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Invitae (2016), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802719	BRCA1	G	T	GG	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Invitae (2016), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802720	BRCA1	G	C	GG	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 28492532, GeneDx (2015), EGL Genetic Diagnostics, Eurofins Clinical Diagnostics (2015), Invitae (2016), Baylor Genetics (2017), PreventionGenetics, PreventionGenetics (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802402	BRCA1	T	C	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2015), EGL Genetic Diagnostics, Eurofins Clinical Diagnostics (2015), Integrated Genetics/Laboratory Corporation of America (2019)
802403	BRCA1	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), GeneDx (2015), Baylor Genetics (2017), PreventionGenetics, PreventionGenetics (2018), Integrated Genetics/Laboratory Corporation of America (2018)
802404	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), GeneDx (2015), Baylor Genetics (2017), PreventionGenetics, PreventionGenetics (2018), Integrated Genetics/Laboratory Corporation of America (2018)
804376	BRCA2	T	C	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016)
804377	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
804378	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Counsyl (2017), Color (2019)
803679	BRCA2	A	T	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Integrated Genetics/Laboratory Corporation of America (2018), Color (2019)
803680	BRCA2	C	G	CC	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Counsyl (2017), GeneDx (2018)
803681	BRCA2	C	G	CC	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Counsyl (2017), GeneDx (2018)
803054	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 28492532, Invitae (2013), GeneDx (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Integrated Genetics/Laboratory Corporation of America (2018)
803055	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 28492532, Invitae (2013), GeneDx (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Integrated Genetics/Laboratory Corporation of America (2018)
803056	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2015), GeneDx (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Clinical Genomics Lab, St. Jude Children's Research Hospital (2019)
802721	BRCA1	G	C	GG	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 28492532, GeneDx (2015), EGL Genetic Diagnostics, Eurofins Clinical Diagnostics (2015), Invitae (2016), Baylor Genetics (2017), PreventionGenetics, PreventionGenetics (2018)
802722	BRCA1	G	A	GG	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 28492532, Invitae (2015), Counsyl (2015), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2016), Baylor Genetics (2017), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017)
802723	BRCA1	G	A	GG	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 28492532, Invitae (2015), Counsyl (2015), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2016), Baylor Genetics (2017), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802405	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
802406	BRCA1	T	C	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2015), Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Integrated Genetics/Laboratory Corporation of America (2018), Color (2019)
802407	BRCA1	T	C	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2015), Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Integrated Genetics/Laboratory Corporation of America (2018), Color (2019)
803682	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
803683	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
803684	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015)
804379	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Counsyl (2017), Color (2019)
804380	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
804381	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
803057	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2015), GeneDx (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Clinical Genomics Lab, St. Jude Children's Research Hospital (2019)
803058	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Pituitary carcinoma)	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2015), GeneDx (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Clinical Genomics Lab, St. Jude Children's Research Hospital (2019)
803685	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015)
803686	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), PreventionGenetics, PreventionGenetics (2018), Color (2019)
803687	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), PreventionGenetics, PreventionGenetics (2018), Color (2019)
802724	BRCA1	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 25741868, 25741868, 28492532, Invitae (2014), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2015), GeneDx (2017), Counsyl (2018), Integrated Genetics/Laboratory Corporation of America (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802725	BRCA1	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 25741868, 25741868, 28492532, Invitae (2014), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2015), GeneDx (2017), Counsyl (2018), Integrated Genetics/Laboratory Corporation of America (2019)
802726	BRCA1	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014)
802408	BRCA1	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	23269703, 25741868, 25741868, 26467025, 26845104, 28492532, Ambry Genetics (2014), GeneDx (2015), Michigan Medical Genetics Laboratories, University of Michigan (2016), Integrated Genetics/Laboratory Corporation of America (2018), OMIM (2018)
802409	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	23269703, 25741868, 25741868, 26467025, 26845104, 28492532, Ambry Genetics (2014), GeneDx (2015), Michigan Medical Genetics Laboratories, University of Michigan (2016), Integrated Genetics/Laboratory Corporation of America (2018), OMIM (2018)
802410	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCR) (2012), Ambry Genetics (2014), Michigan Medical Genetics Laboratories, University of Michigan (2016), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2018)
804382	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
804383	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Integrated Genetics/Laboratory Corporation of America (2018)
804384	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
803059	BRCA2	G	T	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCR) (2012), Invitae (2017), Counsyl (2018), Color (2018)
803060	BRCA2	G	T	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCR) (2012), Invitae (2017), Counsyl (2018), Color (2018)
803061	BRCA2	T	G	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	, Sharing Clinical Reports Project (SCR) (2012), Ambry Genetics (2014)
803688	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCR) (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
803689	BRCA2	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
803690	BRCA2	T	A	TT	Increased Risk of Breast and/or Ovarian Cancer	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
802727	BRCA1	G	C	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	24033266, 25741868, 28492532, Invitae (2013), Ambry Genetics (2015), GeneDx (2016), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017), Integrated Genetics/Laboratory Corporation of America (2019)
802728	BRCA1	G	C	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	24033266, 25741868, 28492532, Invitae (2013), Ambry Genetics (2015), GeneDx (2016), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017), Integrated Genetics/Laboratory Corporation of America (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802729	BRCA1	C	A	CC	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
804385	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, Counsyl (2015), Ambry Genetics (2015), Department of Medical Genetics, Oslo University Hospital (2017), GeneDx (2018), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
804386	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, Counsyl (2015), Ambry Genetics (2015), Department of Medical Genetics, Oslo University Hospital (2017), GeneDx (2018), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
804387	BRCA2	G	T	GG	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 26467025, Ambry Genetics (2016), GeneDx (2017), Mendelics (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019), Integrated Genetics/Laboratory Corporation of America (2019)
803062	BRCA2	T	G	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014)
803063	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Laboratory of Molecular Diagnosis of Cancer, West China Hospital, Sichuan University (2016), GeneDx (2017)
803064	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Laboratory of Molecular Diagnosis of Cancer, West China Hospital, Sichuan University (2016), GeneDx (2017)
802411	BRCA1	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Michigan Medical Genetics Laboratories, University of Michigan (2016), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2018)
802412	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
802413	BRCA1	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
803691	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Invitae (2013), Ambry Genetics (2015), GeneDx (2015), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2019)
803692	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Invitae (2013), Ambry Genetics (2015), GeneDx (2015), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2019)
803693	BRCA2	T	G	TT	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	25741868, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Color (2019)
802730	BRCA1	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
802731	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802732	BRCA1	T	C	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 25741868, 28492532, Ambry Genetics (2014), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2016), Illumina Clinical Services Laboratory, Illumina (2016), GeneDx (2017), Counsyl (2018)
803065	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
803066	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2015)
803067	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2015)
804388	BRCA2	G	T	GG	Increased Risk of Breast and/or Ovarian Cancer	25741868, 26467025, Ambry Genetics (2016), GeneDx (2017), Mendelics (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019), Integrated Genetics/Laboratory Corporation of America (2019)
804389	BRCA2	I	D	II	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017), Integrated Genetics/Laboratory Corporation of America (2019)
804390	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
802414	BRCA1	G	A	GG	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 26467025, 28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Michigan Medical Genetics Laboratories, University of Michigan (2016), Ambry Genetics (2016), GeneDx (2018), Integrated Genetics/Laboratory Corporation of America (2019)
802415	BRCA1	G	A	GG	Increased Risk of Breast and/or Ovarian Cancer	25741868, 26467025, 28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Michigan Medical Genetics Laboratories, University of Michigan (2016), Ambry Genetics (2016), GeneDx (2018), Integrated Genetics/Laboratory Corporation of America (2019)
802416	BRCA1	T	C	TT	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 26467025, 28492532, GeneDx (2013), Invitae (2013), Ambry Genetics (2015), Genetic Services Laboratory, University of Chicago (2017), Integrated Genetics/Laboratory Corporation of America (2019)
803694	BRCA2	T	G	TT	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Color (2019)
803695	BRCA2	C	T	CC	Increased Risk of Hereditary cancer-predisposing syndrome	, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Integrated Genetics/Laboratory Corporation of America (2019)
803696	BRCA2	C	T	CC	Increased Risk of Breast and/or Ovarian Cancer	, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Integrated Genetics/Laboratory Corporation of America (2019)
803068	BRCA2	C	G	CC	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Color (2018)
803069	BRCA2	C	G	CC	Increased Risk of Breast and/or Ovarian Cancer	25741868, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Color (2018)
803070	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802733	BRCA1	T	C	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 25741868, 28492532, Ambry Genetics (2014), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2016), Illumina Clinical Services Laboratory, Illumina (2016), GeneDx (2017), Counsyl (2018)
802734	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017)
802735	BRCA1	T	C	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
804391	BRCA2	T	A	TT	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Department of Pathology and Laboratory Medicine, Sinai Health System (2017)
804392	BRCA2	G	T	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
804393	BRCA2	C	G	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 28492532, Ambry Genetics (2014), Michigan Medical Genetics Laboratories, University of Michigan (2016), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2018), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
802417	BRCA1	T	C	TT	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 26467025, 28492532, GeneDx (2013), Invitae (2013), Ambry Genetics (2015), Genetic Services Laboratory, University of Chicago (2017), Integrated Genetics/Laboratory Corporation of America (2019)
802418	BRCA1	C	A	CC	Increased Risk of Breast and/or Ovarian Cancer	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016), Ambry Genetics (2017), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019)
802419	BRCA1	C	A	CC	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016), Ambry Genetics (2017), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019)
803697	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Mendelics (2018), Color (2018)
803698	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Mendelics (2018), Color (2018)
803699	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
803071	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
803072	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), GeneDx (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Michigan Medical Genetics Laboratories, University of Michigan (2016)
803073	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), GeneDx (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Michigan Medical Genetics Laboratories, University of Michigan (2016)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802736	BRCA1	C	T	CC	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 25741868, 26467025, 28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), GeneDx (2015), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2015), GeneKor MSA (2016)
802737	BRCA1	C	T	CC	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 25741868, 26467025, 28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), GeneDx (2015), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2015), GeneKor MSA (2016)
802738	BRCA1	C	T	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2015), Color (2019)
804394	BRCA2	C	G	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 28492532, Ambry Genetics (2014), Michigan Medical Genetics Laboratories, University of Michigan (2016), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2018), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
804395	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
804396	BRCA2	C	T	CC	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Color (2019)
802420	BRCA1	T	A	TT	Increased Risk of Breast and/or Ovarian Cancer	28492532, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2018)
802421	BRCA1	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2016), Counsyl (2017), Color (2019)
802422	BRCA1	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2016), Counsyl (2017), Color (2019)
803074	BRCA2	A	T	AA	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
803075	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	28492532, Sharing Clinical Reports Project (SCRP) (2012), EGL Genetic Diagnostics, Eurofins Clinical Diagnostics (2015), Invitae (2019)
803076	BRCA2	G	A	GG	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2017), Department of Pathology and Laboratory Medicine, Sinai Health System (2017)
803700	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
803701	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
803702	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
802739	BRCA1	C	T	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2015), Color (2019)
802740	BRCA2	A	C	AA	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Invitae (2015), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802741	BRCA2	A	C	AA	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Invitae (2015), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
804397	BRCA2	C	T	CC	Increased Risk of Breast and/or Ovarian Cancer	25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Color (2019)
804398	BRCA2	A	T	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Color (2018)
804399	BRCA2	A	T	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Color (2018)
802423	BRCA1	C	A	CC	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
802424	BRCA1	T	C	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2018)
802425	BRCA1	T	A	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Michigan Medical Genetics Laboratories, University of Michigan (2016), GeneDx (2016), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2019)
803077	BRCA2	G	A	GG	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2017), Department of Pathology and Laboratory Medicine, Sinai Health System (2017)
803078	BRCA2	A	T	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Counsyl (2018), Invitae (2018)
803079	BRCA2	A	T	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Counsyl (2018), Invitae (2018)
803703	BRCA2	T	G	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Counsyl (2018), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
803704	BRCA2	T	G	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Counsyl (2018), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
803705	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
802742	BRCA2	I	D	II	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2017), Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Invitae (2019)
802743	BRCA2	I	D	II	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2017), Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Invitae (2019)
802744	BRCA2	T	C	TT	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868
803080	BRCA2	A	T	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
803081	BRCA2	I	D	II	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Integrated Genetics/Laboratory Corporation of America (2018), Color (2019), Invitae (2019)
803082	BRCA2	I	D	II	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Integrated Genetics/Laboratory Corporation of America (2018), Color (2019), Invitae (2019)
804400	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
804401	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Counsyl (2017), CeGaT Praxis fuer Humangenetik Tuebingen (2017)
804402	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Counsyl (2017), CeGaT Praxis fuer Humangenetik Tuebingen (2017)
802745	BRCA2	T	C	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 26467025, 28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), Invitae (2015), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018), Counsyl (2018)
802746	BRCA2	T	C	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 26467025, 28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), Invitae (2015), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018), Counsyl (2018)
802747	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2016), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018), Color (2019)
803706	BRCA2	G	T	GG	Increased Risk of Breast and/or Ovarian Cancer	25741868, Counsyl (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Genekor MSA (2016)
803707	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
803708	BRCA2	G	T	GG	Increased Risk of Breast and/or Ovarian Cancer	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
803083	BRCA2	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), CHEO Genetics Diagnostic Laboratory,Children's Hospital of Eastern Ontario (2015), GeneDx (2015), Michigan Medical Genetics Laboratories,University of Michigan (2016)
803084	BRCA2	D	I	DD	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), CHEO Genetics Diagnostic Laboratory,Children's Hospital of Eastern Ontario (2015), GeneDx (2015), Michigan Medical Genetics Laboratories,University of Michigan (2016)
803085	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Research Molecular Genetics Laboratory,Women's College Hospital, University of Toronto (2017)
802426	BRCA1	T	A	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Michigan Medical Genetics Laboratories,University of Michigan (2016), GeneDx (2016), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2019)
802427	BRCA1	T	C	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018), Color (2018)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
802428	BRCA1	T	C	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018), Color (2018)
804403	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Counsyl (2018), Color (2019)
804404	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Counsyl (2018), Color (2019)
804405	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	28492532, Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014)
802748	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2016), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018), Color (2019)
802749	BRCA2	A	G	AA	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	24033266, 25741868, 25741868, 26467025, 28492532, Invitae (2013), CSER_CC_NCGL; University of Washington Medical Center (2014), Ambry Genetics (2015), GeneDx (2015), Laboratory for Molecular Medicine,Partners HealthCare Personalized Medicine (2017)
802750	BRCA2	A	G	AA	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	24033266, 25741868, 25741868, 26467025, 28492532, Invitae (2013), CSER_CC_NCGL; University of Washington Medical Center (2014), Ambry Genetics (2015), GeneDx (2015), Laboratory for Molecular Medicine,Partners HealthCare Personalized Medicine (2017)
803709	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Invitae (2013), Ambry Genetics (2015), GeneDx (2015), Counsyl (2017)
803710	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Invitae (2013), Ambry Genetics (2015), GeneDx (2015), Counsyl (2017)
803711	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018), Counsyl (2018)
804406	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	28492532, Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014)
804407	BRCA2	C	A	CC	Increased Risk of Hereditary cancer-predisposing syndrome	26467025, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Ambry Genetics (2017), GeneDx (2017)
804408	BRCA2	C	A	CC	Increased Risk of Breast and/or Ovarian Cancer	26467025, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Ambry Genetics (2017), GeneDx (2017)
803086	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017)
803087	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017)
803088	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), GeneDx (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Division Human Genetics,Medical University Innsbruck (2015)
802429	BRCA1	C	T	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), GeneDx (2017), Counsyl (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802430	BRCA1	C	T	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), GeneDx (2017), Counsyl (2017)
802431	BRCA1	C	T	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016), Ambry Genetics (2017)
802751	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 26467025, 28492532, Biesecker Lab/Clinical Genomics Section, National Institutes of Health (2013), Ambry Genetics (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
802752	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 26467025, 28492532, Biesecker Lab/Clinical Genomics Section, National Institutes of Health (2013), Ambry Genetics (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
803712	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018), Counsyl (2018)
803713	BRCA2	C	A	CC	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2015), Sharing Clinical Reports Project (SCRP) (2016), Ambry Genetics (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
803714	BRCA2	C	A	CC	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2015), Sharing Clinical Reports Project (SCRP) (2016), Ambry Genetics (2017), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
804409	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Color (2019)
804410	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Color (2019)
804411	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014)
803089	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), GeneDx (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Division Human Genetics, Medical University Innsbruck (2015)
803090	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), GeneDx (2018)
803091	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), GeneDx (2018)
802432	BRCA1	C	T	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016), Ambry Genetics (2017)
802433	BRCA1	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802434	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802753	BRCA2	C	T	CC	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), GeneDx (2015), Michigan Medical Genetics Laboratories, University of Michigan (2016), Color (2018)
802754	BRCA2	C	T	CC	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), GeneDx (2015), Michigan Medical Genetics Laboratories, University of Michigan (2016), Color (2018)
802755	BRCA2	I	D	II	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017), CeGaT Praxis fuer Humangenetik Tuebingen (2017), GeneDx (2018)
803715	BRCA2	A	G	AA	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 25741868, 25741868, 25741868, 28492532, Ambry Genetics (2015), PreventionGenetics, PreventionGenetics (2016), Counsyl (2017), Baylor Genetics (2017), Genetic Services Laboratory, University of Chicago (2017)
803716	BRCA2	A	G	AA	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 25741868, 25741868, 25741868, 28492532, Ambry Genetics (2015), PreventionGenetics, PreventionGenetics (2016), Counsyl (2017), Baylor Genetics (2017), Genetic Services Laboratory, University of Chicago (2017)
803717	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Quest Diagnostics Nichols Institute San Juan Capistrano (2016), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
804412	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Invitae (2013), Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), GeneDx (2017)
804413	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Invitae (2013), Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), GeneDx (2017)
804414	BRCA2	C	G	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	, Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2019)
803092	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2016)
803093	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2016)
803094	BRCA2	T	C	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2016), GeneDx (2017), PreventionGenetics, PreventionGenetics (2018), Integrated Genetics/Laboratory Corporation of America (2018)
802435	BRCA1	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	25741868
802436	BRCA1	G	A	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), EGL Genetic Diagnostics, Eurofins Clinical Diagnostics (2015), GeneDx (2015), Invitae (2017), Color (2019)
802437	BRCA1	G	A	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), EGL Genetic Diagnostics, Eurofins Clinical Diagnostics (2015), GeneDx (2015), Invitae (2017), Color (2019)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
802756	BRCA2	I	D	II	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017), CeGaT Praxis fuer Humangenetik Tuebingen (2017), GeneDx (2018)
802757	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2018)
802758	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2018)
803718	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
803719	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 26467025, Ambry Genetics (2015), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018), Counsyl (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
803720	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 26467025, Ambry Genetics (2015), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018), Counsyl (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
804415	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Mendelics (2018)
804416	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
804417	BRCA2	C	T	CC	Increased Risk of Breast and/or Ovarian Cancer	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
803095	BRCA2	T	C	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2016), GeneDx (2017), PreventionGenetics, PreventionGenetics (2018), Integrated Genetics/Laboratory Corporation of America (2018)
803096	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	28492532, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2018)
803097	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2016), GeneDx (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Counsyl (2018)
802438	BRCA1	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Department of Medical Genetics, Oslo University Hospital (2017)
802439	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Department of Medical Genetics, Oslo University Hospital (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802440	BRCA1	C	T	CC	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	25741868, 26467025, 28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Invitae (2015), GeneDx (2015), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2019)
804418	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Color (2018), Integrated Genetics/Laboratory Corporation of America (2019)
804419	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Color (2018), Integrated Genetics/Laboratory Corporation of America (2019)
804420	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 28492532, Invitae (2013), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Integrated Genetics/Laboratory Corporation of America (2019)
802759	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	28492532, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2018)
802760	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2015), Ambry Genetics (2017), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802761	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2015), Ambry Genetics (2017), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
803721	BRCA2	T	G	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
803722	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2013), GeneDx (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Ambry Genetics (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
803723	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2013), GeneDx (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Ambry Genetics (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
803098	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2016), GeneDx (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Counsyl (2018)
803099	BRCA2	C	G	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), ITMI (2014), Invitae (2017), Counsyl (2018)
803100	BRCA2	C	G	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), ITMI (2014), Invitae (2017), Counsyl (2018)
802762	BRCA2	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
802763	BRCA2	T	C	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2016), Ambry Genetics (2017)
802764	BRCA2	T	C	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2016), Ambry Genetics (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802441	BRCA1	C	T	CC	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868, 26467025, 28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), Invitae (2015), GeneDx (2015), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2019)
802442	BRCA1	T	G	TT	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
802443	BRCA1	G	C	GG	Increased Risk of Hereditary cancer-predisposing syndrome	, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018)
804421	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 28492532, Invitae (2013), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Integrated Genetics/Laboratory Corporation of America (2019)
804422	BRCA2	A	G	AA	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCR) (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Counsyl (2015), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017)
804423	BRCA2	A	G	AA	Likely Harmless Variant (previously associated with Cancer of the pancreas)	25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCR) (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Counsyl (2015), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017)
803724	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
803725	BRCA2	D	I	DD	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
803726	BRCA2	A	T	AA	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868
803101	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCR) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
803102	BRCA2	T	C	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Fulgent Genetics, Fulgent Genetics (2017), Counsyl (2018)
803103	BRCA2	T	G	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 28492532, Biesecker Lab/Clinical Genomics Section, National Institutes of Health (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Fulgent Genetics, Fulgent Genetics (2017)
804424	BRCA2	A	G	AA	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCR) (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Counsyl (2015), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017)
804425	BRCA2	A	G	AA	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Sharing Clinical Reports Project (SCR) (2014), GeneDx (2015), Ambry Genetics (2015)
804426	BRCA2	A	G	AA	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Sharing Clinical Reports Project (SCR) (2014), GeneDx (2015), Ambry Genetics (2015)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802765	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	28492532, Ambry Genetics (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018), Invitae (2018), Laboratory for Molecular Medicine,Partners HealthCare Personalized Medicine (2019)
802766	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	28492532, Ambry Genetics (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018), Invitae (2018), Laboratory for Molecular Medicine,Partners HealthCare Personalized Medicine (2019)
802767	BRCA2	I	D	II	Increased Risk of BRCA2-Related Disorders	25741868, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Integrated Genetics/Laboratory Corporation of America (2018) , Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Diagnostic Laboratory, Department of Genetics,University Medical Center Groningen (2018)
802444	BRCA1	G	C	GG	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
802445	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
802446	BRCA1	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
803727	BRCA2	A	T	AA	Increased Risk of Wilms tumor 1	25741868, 25741868, 25741868, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), GeneDx (2016), Fulgent Genetics,Fulgent Genetics (2019)
803728	BRCA2	A	T	AA	Increased Risk of Glioma susceptibility 3	25741868, 25741868, 25741868, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), GeneDx (2016), Fulgent Genetics,Fulgent Genetics (2019)
803729	BRCA2	A	T	AA	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 25741868, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), GeneDx (2016), Fulgent Genetics,Fulgent Genetics (2019)
803104	BRCA2	T	G	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 28492532, Biesecker Lab/Clinical Genomics Section,National Institutes of Health (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Fulgent Genetics,Fulgent Genetics (2017)
803105	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), GeneDx (2017), Counsyl (2017)
803106	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), GeneDx (2017), Counsyl (2017)
804427	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Department of Pathology and Laboratory Medicine,Sinai Health System (2017)
804428	BRCA2	T	C	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Invitae (2013), Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), GeneDx (2017)
804429	BRCA2	T	C	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Invitae (2013), Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), GeneDx (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802768	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Integrated Genetics/Laboratory Corporation of America (2018)
802769	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Integrated Genetics/Laboratory Corporation of America (2018)
802770	BRCA2	C	A	CC	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
802447	BRCA1	T	C	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802448	BRCA1	T	C	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802449	BRCA1	G	C	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Ambry Genetics (2015), Integrated Genetics/Laboratory Corporation of America (2018)
803107	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 26467025, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2015), GeneDx (2016), Invitae (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017)
803108	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 26467025, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2015), GeneDx (2016), Invitae (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2017)
803109	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Medical Genetics, Oslo University Hospital (2017), Ambry Genetics (2017)
803730	BRCA2	A	T	AA	Increased Risk of Malignant tumor of prostate	25741868, 25741868, 25741868, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), GeneDx (2016), Fulgent Genetics, Fulgent Genetics (2019)
803731	BRCA2	A	T	AA	Increased Risk of Medulloblastoma	25741868, 25741868, 25741868, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), GeneDx (2016), Fulgent Genetics, Fulgent Genetics (2019)
803732	BRCA2	A	T	AA	Increased Risk of Pancreatic cancer 2	25741868, 25741868, 25741868, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), GeneDx (2016), Fulgent Genetics, Fulgent Genetics (2019)
804430	BRCA2	G	C	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2015), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2018)
804431	BRCA2	G	C	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2015), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2018)
804432	BRCA2	T	G	TT	Increased Risk of Breast and/or Ovarian Cancer	, GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Center for Reproductive Medicine, Shandong Provincial Hospital Affiliated to Shandong University (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802771	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), GeneDx (2013), Ambry Genetics (2014), Integrated Genetics/Laboratory Corporation of America (2018), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
802772	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), GeneDx (2013), Ambry Genetics (2014), Integrated Genetics/Laboratory Corporation of America (2018), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
802773	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2019)
803110	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Medical Genetics, Oslo University Hospital (2017), Ambry Genetics (2017)
803111	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
803112	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
802450	BRCA1	G	C	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Ambry Genetics (2015), Integrated Genetics/Laboratory Corporation of America (2018)
802451	BRCA1	G	A	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), GeneDx (2017), Color (2018)
802452	BRCA1	G	A	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), GeneDx (2017), Color (2018)
803733	BRCA2	A	T	AA	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 25741868, Sharing Clinical Reports Project (SCRP) (2013), Ambry Genetics (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), GeneDx (2016), Fulgent Genetics, Fulgent Genetics (2019)
803734	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneKor MSA (2016), Color (2019)
803735	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneKor MSA (2016), Color (2019)
804433	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Ambry Genetics (2016), Integrated Genetics/Laboratory Corporation of America (2019)
804434	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Ambry Genetics (2016), Integrated Genetics/Laboratory Corporation of America (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
804435	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	26467025, GeneDx (2016), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), CeGaT Praxis fuer Humangenetik Tuebingen (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
802774	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), GeneDx (2016), Integrated Genetics/Laboratory Corporation of America (2019)
802775	BRCA2	C	G	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)
802776	BRCA2	C	G	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)
803113	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	28492532, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2017), GeneDx (2018)
803114	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2016)
803115	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2016)
802453	BRCA1	C	T	CC	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 25741868, 25741868, 28492532, GeneDx (2013), Ambry Genetics (2014), Division of Genomic Diagnostics, The Children's Hospital of Philadelphia (2016), Integrated Genetics/Laboratory Corporation of America (2018), PreventionGenetics, PreventionGenetics (2018)
802454	BRCA1	C	T	CC	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 25741868, 25741868, 28492532, GeneDx (2013), Ambry Genetics (2014), Division of Genomic Diagnostics, The Children's Hospital of Philadelphia (2016), Integrated Genetics/Laboratory Corporation of America (2018), PreventionGenetics, PreventionGenetics (2018)
802455	BRCA1	C	A	CC	Increased Risk of Hereditary cancer-predisposing syndrome	, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
803736	BRCA2	C	T	CC	Increased Risk of Hereditary cancer-predisposing syndrome	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), GeneDx (2018)
803737	BRCA2	C	T	CC	Increased Risk of Breast and/or Ovarian Cancer	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), GeneDx (2018)
803738	BRCA2	A	T	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017), Counsyl (2018)
804436	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 28492532, Invitae (2013), Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), GeneDx (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
804437	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 28492532, Invitae (2013), Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), GeneDx (2017)
804438	BRCA2	I	D	II	Increased Risk of Diffuse intrinsic pontine glioma	25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Counsyl (2015), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802777	BRCA2	T	C	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2015)
802778	BRCA2	T	C	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2015)
802779	BRCA2	C	A	CC	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 25741868, 25741868, 28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2015), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), PreventionGenetics, PreventionGenetics (2018)
803116	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 26467025, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Counsyl (2017), GeneDx (2018)
803117	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 26467025, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Counsyl (2017), GeneDx (2018)
803118	BRCA2	A	T	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
802456	BRCA1	C	A	CC	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
802457	BRCA1	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	25741868
802458	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
803739	BRCA2	A	T	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017), Counsyl (2018)
803740	BRCA2	G	T	GG	Increased Risk of Breast and/or Ovarian Cancer	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), GeneDx (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
803741	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	26467025, Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
804439	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Counsyl (2015), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Integrated Genetics/Laboratory Corporation of America (2018)
804440	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Counsyl (2015), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Integrated Genetics/Laboratory Corporation of America (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
804441	BRCA2	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
802780	BRCA2	C	A	CC	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 25741868, 25741868, 28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2015), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), PreventionGenetics, PreventionGenetics (2018)
802781	BRCA2	C	G	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	28492532, Sharing Clinical Reports Project (SCRP) (2012), GeneDx (2016), Ambry Genetics (2017), Invitae (2018)
802782	BRCA2	C	G	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	28492532, Sharing Clinical Reports Project (SCRP) (2012), GeneDx (2016), Ambry Genetics (2017), Invitae (2018)
803119	BRCA2	C	G	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 26467025, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2019)
803120	BRCA2	C	G	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 26467025, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2019)
803121	BRCA2	C	A	CC	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), GeneDx (2015), Department of Medical Genetics, Oslo University Hospital (2017), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019)
803742	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017)
803743	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017)
803744	BRCA2	G	C	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	, Sharing Clinical Reports Project (SCRP) (2014), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
804442	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Color (2019)
804443	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Color (2019)
804444	BRCA2	T	A	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Sharing Clinical Reports Project (SCRP) (2014)
802459	BRCA1	C	A	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), GeneDx (2017), Color (2019)
802460	BRCA1	C	A	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), GeneDx (2017), Color (2019)
802461	BRCA1	G	C	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
802783	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2016), Color (2019)
802784	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2016), Color (2019)
802785	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2015), GeneDx (2017), Invitae (2017)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
803122	BRCA2	C	A	CC	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), GeneDx (2015), Department of Medical Genetics, Oslo University Hospital (2017), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019)
803123	BRCA2	C	A	CC	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Ambry Genetics (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2016)
803124	BRCA2	C	A	CC	Increased Risk of Breast and/or Ovarian Cancer	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Ambry Genetics (2016), Quest Diagnostics Nichols Institute San Juan Capistrano (2016)
803745	BRCA2	G	C	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	, Sharing Clinical Reports Project (SCRP) (2014), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
803746	BRCA2	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
803747	BRCA2	G	T	GG	Increased Risk of Wilms tumor 1	25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Counsyl (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Fulgent Genetics, Fulgent Genetics (2017), Department of Medical Genetics, Oslo University Hospital (2017)
804445	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Genetic Services Laboratory, University of Chicago (2017), Counsyl (2018), Mendelics (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
804446	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Genetic Services Laboratory, University of Chicago (2017), Counsyl (2018), Mendelics (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
804447	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Ambry Genetics (2017), GeneDx (2017), Color (2019)
802462	BRCA1	T	G	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2015), Invitae (2017), Integrated Genetics/Laboratory Corporation of America (2018), Counsyl (2018)
802463	BRCA1	T	G	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2015), Invitae (2017), Integrated Genetics/Laboratory Corporation of America (2018), Counsyl (2018)
802464	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	28492532, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Invitae (2018)
803125	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Pathway Genomics (2015), Invitae (2017), Ambry Genetics (2017)
803126	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Pathway Genomics (2015), Invitae (2017), Ambry Genetics (2017)
803127	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	26467025, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), GeneDx (2015), Ambry Genetics (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802786	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2015), GeneDx (2017), Invitae (2017)
802787	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)
802788	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)
802465	BRCA1	G	A	GG	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2018)
802466	BRCA1	G	A	GG	Increased Risk of Hereditary cancer-predisposing syndrome	, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2018)
802467	BRCA1	C	A	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2018)
803748	BRCA2	G	T	GG	Increased Risk of Glioma susceptibility 3	25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Counsyl (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Fulgent Genetics,Fulgent Genetics (2017), Department of Medical Genetics,Oslo University Hospital (2017)
803749	BRCA2	G	T	GG	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Counsyl (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Fulgent Genetics,Fulgent Genetics (2017), Department of Medical Genetics,Oslo University Hospital (2017)
803750	BRCA2	G	T	GG	Increased Risk of Malignant tumor of prostate	25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Counsyl (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Fulgent Genetics,Fulgent Genetics (2017), Department of Medical Genetics,Oslo University Hospital (2017)
804448	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Ambry Genetics (2017), GeneDx (2017), Color (2019)
804449	BRCA2	C	T	CC	Increased Risk of Cancer of the pancreas	25741868, 25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), 3DMed Clinical Laboratory Inc (2018), Academic Department of Medical Genetics, University of Cambridge (2019)
804450	BRCA2	C	T	CC	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), 3DMed Clinical Laboratory Inc (2018), Academic Department of Medical Genetics, University of Cambridge (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
803128	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	26467025, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), GeneDx (2015), Ambry Genetics (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
803129	BRCA2	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017)
803130	BRCA2	D	I	DD	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017)
802789	BRCA2	G	C	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 28492532, Biesecker Lab/Clinical Genomics Section,National Institutes of Health (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Ambry Genetics (2015), Integrated Genetics/Laboratory Corporation of America (2018)
802790	BRCA2	G	C	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 28492532, Biesecker Lab/Clinical Genomics Section,National Institutes of Health (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Ambry Genetics (2015), Integrated Genetics/Laboratory Corporation of America (2018)
802791	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2016), Counsyl (2017)
802468	BRCA1	C	A	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2015), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802469	BRCA1	T	C	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 26467025, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2017), Counsyl (2017), GeneDx (2017)
802470	BRCA1	T	C	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 26467025, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2017), Counsyl (2017), GeneDx (2017)
803751	BRCA2	G	T	GG	Increased Risk of Medulloblastoma	25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Counsyl (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Fulgent Genetics,Fulgent Genetics (2017), Department of Medical Genetics,Oslo University Hospital (2017)
803752	BRCA2	G	T	GG	Increased Risk of Pancreatic cancer 2	25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Counsyl (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Fulgent Genetics,Fulgent Genetics (2017), Department of Medical Genetics,Oslo University Hospital (2017)
803753	BRCA2	G	T	GG	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2013), Counsyl (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Fulgent Genetics,Fulgent Genetics (2017), Department of Medical Genetics,Oslo University Hospital (2017)
804451	BRCA2	C	T	CC	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), 3DMed Clinical Laboratory Inc (2018), Academic Department of Medical Genetics, University of Cambridge (2019)
804452	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Counsyl (2018), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
804453	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Counsyl (2018), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
803131	BRCA2	C	G	CC	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), GeneDx (2015), Fulgent Genetics,Fulgent Genetics (2017), Fulgent Genetics,Fulgent Genetics (2017), Department of Medical Genetics,Oslo University Hospital (2017)
803132	BRCA2	C	G	CC	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), GeneDx (2015), Fulgent Genetics,Fulgent Genetics (2017), Fulgent Genetics,Fulgent Genetics (2017), Department of Medical Genetics,Oslo University Hospital (2017)
803133	BRCA2	C	G	CC	Increased Risk of Wilms tumor 1	25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), GeneDx (2015), Fulgent Genetics,Fulgent Genetics (2017), Fulgent Genetics,Fulgent Genetics (2017), Department of Medical Genetics,Oslo University Hospital (2017)
802792	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2016), Counsyl (2017)
802793	BRCA2	D	I	DD	Increased Risk of Hereditary cancer-predisposing syndrome	26467025, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
802794	BRCA2	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	26467025, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
802471	BRCA1	G	C	GG	Increased Risk of Breast and/or Ovarian Cancer	26467025, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
802472	BRCA1	C	A	CC	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 26467025, 28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2018), Laboratory for Molecular Medicine,Partners HealthCare Personalized Medicine (2019)
802473	BRCA1	C	A	CC	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 26467025, 28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2018), Laboratory for Molecular Medicine,Partners HealthCare Personalized Medicine (2019)
803754	BRCA2	T	G	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014)
803755	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	24884479, 25741868, 28492532, Invitae (2013), Ambry Genetics (2014), A.C.Camargo Cancer Center / LGBM, A.C.Camargo Cancer Center (2017), Mendelics (2018), Color (2019)
803756	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	24884479, 25741868, 28492532, Invitae (2013), Ambry Genetics (2014), A.C.Camargo Cancer Center / LGBM, A.C.Camargo Cancer Center (2017), Mendelics (2018), Color (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
804454	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Wilms tumor 1)	25741868, 25741868, 25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2015), GeneDx (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019), Fulgent Genetics,Fulgent Genetics (2019)
804455	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Glioma susceptibility 3)	25741868, 25741868, 25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2015), GeneDx (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019), Fulgent Genetics,Fulgent Genetics (2019)
804456	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2015), GeneDx (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019), Fulgent Genetics,Fulgent Genetics (2019)
803134	BRCA2	C	G	CC	Increased Risk of Glioma susceptibility 3	25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), GeneDx (2015), Fulgent Genetics,Fulgent Genetics (2017), Fulgent Genetics,Fulgent Genetics (2017), Department of Medical Genetics,Oslo University Hospital (2017)
803135	BRCA2	C	G	CC	Increased Risk of Malignant tumor of prostate	25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), GeneDx (2015), Fulgent Genetics,Fulgent Genetics (2017), Fulgent Genetics,Fulgent Genetics (2017), Department of Medical Genetics,Oslo University Hospital (2017)
803136	BRCA2	C	G	CC	Increased Risk of Pancreatic cancer 2	25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), GeneDx (2015), Fulgent Genetics,Fulgent Genetics (2017), Fulgent Genetics,Fulgent Genetics (2017), Department of Medical Genetics,Oslo University Hospital (2017)
802795	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2016), Counsyl (2018)
802796	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2016), Counsyl (2018)
802797	BRCA2	T	C	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2016), Integrated Genetics/Laboratory Corporation of America (2018)
802474	BRCA1	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
802475	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
802476	BRCA1	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 26467025, 28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Ambry Genetics (2016), Laboratory for Molecular Medicine,Partners HealthCare Personalized Medicine (2017), Integrated Genetics/Laboratory Corporation of America (2018)
803757	BRCA2	G	C	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017), Color (2018), Integrated Genetics/Laboratory Corporation of America (2019)
803758	BRCA2	G	C	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017), Color (2018), Integrated Genetics/Laboratory Corporation of America (2019)
803759	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
804457	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Malignant tumor of prostate)	25741868, 25741868, 25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2015), GeneDx (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019), Fulgent Genetics,Fulgent Genetics (2019)
804458	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Medulloblastoma)	25741868, 25741868, 25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2015), GeneDx (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019), Fulgent Genetics,Fulgent Genetics (2019)
804459	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Pancreatic cancer 2)	25741868, 25741868, 25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2015), GeneDx (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019), Fulgent Genetics,Fulgent Genetics (2019)
803137	BRCA2	C	G	CC	Increased Risk of Medulloblastoma	25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), GeneDx (2015), Fulgent Genetics,Fulgent Genetics (2017), Fulgent Genetics,Fulgent Genetics (2017), Department of Medical Genetics,Oslo University Hospital (2017)
803138	BRCA2	T	C	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), GeneDx (2017), Counsyl (2017)
803139	BRCA2	T	C	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2016), GeneDx (2017), Counsyl (2017)
802798	BRCA2	T	C	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2016), Integrated Genetics/Laboratory Corporation of America (2018)
802799	BRCA2	A	C	AA	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), GeneDx (2015)
802800	BRCA2	A	C	AA	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), GeneDx (2015)
803760	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2018)
803761	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), GeneDx (2018)
803762	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	28492532, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Laboratory for Molecular Medicine,Partners HealthCare Personalized Medicine (2017), Invitae (2019)
804460	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2015), GeneDx (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019), Fulgent Genetics,Fulgent Genetics (2019)
804461	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
804462	BRCA2	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802477	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 26467025, 28492532, Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Ambry Genetics (2016), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802478	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
802479	BRCA1	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
803140	BRCA2	T	C	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), GeneDx (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Counsyl (2017)
803141	BRCA2	T	C	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), GeneDx (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Counsyl (2017)
803142	BRCA2	G	C	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
802801	BRCA2	C	A	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Ambry Genetics (2016), GeneDx (2016), Invitae (2017), Color (2018)
802802	BRCA2	C	A	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Ambry Genetics (2016), GeneDx (2016), Invitae (2017), Color (2018)
802803	BRCA2	I	D	II	Increased Risk of BRCA2-Related Disorders	25741868, 26467025, 28492532, GeneDx (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019), Integrated Genetics/Laboratory Corporation of America (2019)
803763	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	28492532, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017), Invitae (2019)
803764	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), GeneDx (2018)
803765	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), GeneDx (2018)
804463	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 26467025, Breast Cancer Information Core (BIC) (BRCA2) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Color (2019)
804464	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 26467025, Breast Cancer Information Core (BIC) (BRCA2) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Color (2019)
804465	BRCA2	T	A	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
802480	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Ambry Genetics (2016), GeneDx (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
802481	BRCA1	D	I	DD	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 25741868, 26467025, 28492532, GeneDx (2013), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2015), GeneDx (2015), Ambry Genetics (2016), Integrated Genetics/Laboratory Corporation of America (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802482	BRCA1	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 25741868, 26467025, 28492532, GeneDx (2013), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2015), GeneDx (2015), Ambry Genetics (2016), Integrated Genetics/Laboratory Corporation of America (2018)
803766	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2019)
803767	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Color (2019)
803768	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
803143	BRCA2	A	C	AA	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 25741868, 28492532, Invitae (2013), Ambry Genetics (2014), Michigan Medical Genetics Laboratories, University of Michigan (2016), Integrated Genetics/Laboratory Corporation of America (2017), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019)
803144	BRCA2	A	C	AA	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 25741868, 25741868, 28492532, Invitae (2013), Ambry Genetics (2014), Michigan Medical Genetics Laboratories, University of Michigan (2016), Integrated Genetics/Laboratory Corporation of America (2017), CHEO Genetics Diagnostic Laboratory, Children's Hospital of Eastern Ontario (2019)
803145	BRCA2	G	T	GG	Increased Risk of Breast and/or Ovarian Cancer	25741868, 28492532, Sharing Clinical Reports Project (SCRIP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
802483	BRCA1	T	C	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	28492532, Sharing Clinical Reports Project (SCRIP) (2012), Ambry Genetics (2015), Invitae (2018), Integrated Genetics/Laboratory Corporation of America (2018)
802484	BRCA1	T	C	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	28492532, Sharing Clinical Reports Project (SCRIP) (2012), Ambry Genetics (2015), Invitae (2018), Integrated Genetics/Laboratory Corporation of America (2018)
802485	BRCA1	C	G	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRIP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)
802804	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 26467025, 28492532, GeneDx (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019), Integrated Genetics/Laboratory Corporation of America (2019)
802805	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 26467025, 28492532, GeneDx (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019), Integrated Genetics/Laboratory Corporation of America (2019)
802806	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	28492532, Sharing Clinical Reports Project (SCRIP) (2012), Ambry Genetics (2015), Invitae (2019)
804466	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
804467	BRCA2	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
804468	BRCA2	T	A	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Foulkes Cancer Genetics LDI, Lady Davis Institute for Medical Research (2018)
803769	BRCA2	G	T	GG	Increased Risk of Breast and/or Ovarian Cancer	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017), Foulkes Cancer Genetics LDI, Lady Davis Institute for Medical Research (2018)
803770	BRCA2	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
803771	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
803146	BRCA2	G	T	GG	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Research Molecular Genetics Laboratory, Women's College Hospital, University of Toronto (2017)
803147	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Baylor Genetics (2017)
803148	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Baylor Genetics (2017)
802486	BRCA1	C	G	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)
802487	BRCA1	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014)
802488	BRCA1	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
802807	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2015), Invitae (2019)
802808	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2017)
802809	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2017)
804469	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Integrated Genetics/Laboratory Corporation of America (2019)
804470	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Integrated Genetics/Laboratory Corporation of America (2019)
804471	BRCA2	G	T	GG	Increased Risk of Breast and/or Ovarian Cancer	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017)
803772	BRCA2	G	C	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	, Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2017)
803773	BRCA2	T	G	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
803774	BRCA2	A	T	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017)
803149	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Genetic Services Laboratory, University of Chicago (2015), GeneDx (2015)
803150	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Genetic Services Laboratory, University of Chicago (2015), GeneDx (2015)
803151	BRCA2	G	A	GG	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
802489	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
802490	BRCA1	A	C	AA	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Medical Genetics, Oslo University Hospital (2017), Color (2018)
802491	BRCA1	A	C	AA	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Department of Medical Genetics, Oslo University Hospital (2017), Color (2018)
802810	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)
802811	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)
802812	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 28492532, Ambr Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Invitae (2016), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
803775	BRCA2	A	T	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017)
803776	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
803777	BRCA2	A	T	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
802492	BRCA1	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)
802493	BRCA1	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Invitae (2013), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802494	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017), Integrated Genetics/Laboratory Corporation of America (2018)
803870	BRCA2	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCR) (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2019)
803871	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	28492532, Sharing Clinical Reports Project (SCR) (2013), Invitae (2013), Ambry Genetics (2016), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
803872	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	28492532, Sharing Clinical Reports Project (SCR) (2013), Invitae (2013), Ambry Genetics (2016), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
803152	BRCA2	G	A	GG	Increased Risk of Hereditary cancer-predisposing syndrome	, Sharing Clinical Reports Project (SCR) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
803153	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCR) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
803154	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCR) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
803778	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
803779	BRCA2	G	T	GG	Increased Risk of Breast and/or Ovarian Cancer	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
803780	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
803155	BRCA2	T	A	TT	Increased Risk of Breast and/or Ovarian Cancer	28492532, Sharing Clinical Reports Project (SCR) (2012), CSER_CC_NCGL; University of Washington Medical Center (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Invitae (2018)
803156	BRCA2	T	A	TT	Increased Risk of Hereditary cancer-predisposing syndrome	28492532, Sharing Clinical Reports Project (SCR) (2012), CSER_CC_NCGL; University of Washington Medical Center (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Invitae (2018)
803157	BRCA2	G	A	GG	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	25741868, 26467025, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2015), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802495	BRCA1	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2016), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017), Integrated Genetics/Laboratory Corporation of America (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
802496	BRCA1	G	A	GG	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 25741868, 28492532, Biesecker Lab/Clinical Genomics Section,National Institutes of Health (2013), GeneDx (2015), Ambry Genetics (2015), Integrated Genetics/Laboratory Corporation of America (2018), CHEO Genetics Diagnostic Laboratory,Children's Hospital of Eastern Ontario (2019)
802497	BRCA1	G	A	GG	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 25741868, 28492532, Biesecker Lab/Clinical Genomics Section,National Institutes of Health (2013), GeneDx (2015), Ambry Genetics (2015), Integrated Genetics/Laboratory Corporation of America (2018), CHEO Genetics Diagnostic Laboratory,Children's Hospital of Eastern Ontario (2019)
804472	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Diagnostic Laboratory, Department of Genetics, University Medical Center Groningen (2018), DNA and Cytogenetics Diagnostics Unit,Erasmus Medical Center (2018)
804473	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	, Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2017)
804474	BRCA2	C	A	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Invitae (2013), Sharing Clinical Reports Project (SCRP) (2014), GeneDx (2015), Ambry Genetics (2016), Integrated Genetics/Laboratory Corporation of America (2018)
802813	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Invitae (2016), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802814	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Integrated Genetics/Laboratory Corporation of America (2018)
802815	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Integrated Genetics/Laboratory Corporation of America (2018)
803781	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
803782	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
803783	BRCA2	T	C	TT	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2017), GeneDx (2018)
804475	BRCA2	C	A	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Invitae (2013), Sharing Clinical Reports Project (SCRP) (2014), GeneDx (2015), Ambry Genetics (2016), Integrated Genetics/Laboratory Corporation of America (2018)
804476	BRCA2	G	T	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
804477	BRCA2	A	T	AA	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 26467025, 28492532, Ambry Genetics (2015), GeneDx (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Counsyl (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
803158	BRCA2	G	A	GG	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868, 26467025, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2015), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2017), Integrated Genetics/Laboratory Corporation of America (2018)
803159	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2017), Counsyl (2018), Integrated Genetics/Laboratory Corporation of America (2018)
803160	BRCA2	G	A	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2017), Counsyl (2018), Integrated Genetics/Laboratory Corporation of America (2018)
802816	BRCA2	C	A	CC	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
802817	BRCA2	C	A	CC	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018), ARUP Laboratories, Molecular Genetics and Genomics, ARUP Laboratories (2019)
802818	BRCA2	C	A	CC	Increased Risk of Hereditary cancer-predisposing syndrome	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802498	BRCA1	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 26467025, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Ambry Genetics (2016), Integrated Genetics/Laboratory Corporation of America (2018)
802499	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 26467025, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2015), Ambry Genetics (2016), Integrated Genetics/Laboratory Corporation of America (2018)
802500	BRCA1	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
804478	BRCA2	A	T	AA	Increased Risk of Breast and/or Ovarian Cancer	25741868, 26467025, 28492532, Ambry Genetics (2015), GeneDx (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Counsyl (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
804479	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868
804480	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
803784	BRCA2	T	C	TT	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2017), GeneDx (2018)
803785	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
803786	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
803161	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with B lymphoblastic leukemia lymphoma with hyperdiploidy)	25741868, 25741868, 25741868, 28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2015), Counsyl (2018), Integrated Genetics/Laboratory Corporation of America (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
803162	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 25741868, 28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2015), Counsyl (2018), Integrated Genetics/Laboratory Corporation of America (2018)
803163	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 25741868, 28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2015), Counsyl (2018), Integrated Genetics/Laboratory Corporation of America (2018)
804481	BRCA2	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2013), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
804482	BRCA2	A	C	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	24884479, 25741868, 25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2015), Counsyl (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017)
804483	BRCA2	A	C	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	24884479, 25741868, 25741868, 26467025, 28492532, Invitae (2013), Ambry Genetics (2014), GeneDx (2015), Counsyl (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017)
802819	BRCA2	C	A	CC	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Ambry Genetics (2017), Integrated Genetics/Laboratory Corporation of America (2018)
802820	BRCA2	C	G	CC	Increased Risk of Hereditary cancer-predisposing syndrome	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
802821	BRCA2	C	G	CC	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Ambry Genetics (2017)
802501	BRCA1	D	I	DD	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016)
802502	BRCA1	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	26467025, 26845104, Sharing Clinical Reports Project (SCRP) (2012), University of Washington Department of Laboratory Medicine, University of Washington (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017), Ambry Genetics (2017)
802503	BRCA1	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	26467025, 26845104, Sharing Clinical Reports Project (SCRP) (2012), University of Washington Department of Laboratory Medicine, University of Washington (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017), Ambry Genetics (2017)
803787	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
803788	BRCA2	A	C	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868
803789	BRCA2	C	A	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2017), Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Color (2018)
804484	BRCA2	T	C	TT	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	25741868, 25741868, 25741868, 26467025, 28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2014), Ambry Genetics (2015), Counsyl (2015), Integrated Genetics/Laboratory Corporation of America (2018)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
804485	BRCA2	T	C	TT	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	25741868, 25741868, 25741868, 26467025, 28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2014), Amby Genetics (2015), Counsyl (2015), Integrated Genetics/Laboratory Corporation of America (2018)
804486	BRCA2	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	28492532, Invitae (2013), Bioinformatics dept., Datar Cancer Genetics Limited, India (2017), Integrated Genetics/Laboratory Corporation of America (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
803164	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 26467025, 28492532, Invitae (2013), Amby Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)
803165	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 26467025, 28492532, Invitae (2013), Amby Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)
803166	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2016), Color (2018)
803790	BRCA2	C	A	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 25741868, Sharing Clinical Reports Project (SCRP) (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Amby Genetics (2017), Department of Pathology and Laboratory Medicine, Sinai Health System (2017), Color (2018)
803791	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Amby Genetics (2017), Color (2019)
803792	BRCA2	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Invitae (2013), Breast Cancer Information Core (BIC) (BRCA2) (2014), Amby Genetics (2017), Color (2019)
802822	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2013), Amby Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2017)
802823	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2013), Amby Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2017)
802824	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 25741868, 25741868, 26467025, 28492532, Amby Genetics (2014), GeneDx (2015), Michigan Medical Genetics Laboratories, University of Michigan (2016), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2016), Integrated Genetics/Laboratory Corporation of America (2018)
802504	BRCA1	A	G	AA	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	, Sharing Clinical Reports Project (SCRP) (2012), Amby Genetics (2014), Counsyl (2017), Mendelics (2018)
802505	BRCA1	A	G	AA	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	, Sharing Clinical Reports Project (SCRP) (2012), Amby Genetics (2014), Counsyl (2017), Mendelics (2018)
802506	BRCA1	T	C	TT	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Biesecker Lab/Clinical Genomics Section, National Institutes of Health (2013), Division of Genomic Diagnostics, The Children's Hospital of Philadelphia (2015), Amby Genetics (2015), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)
804487	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	26467025, Amby Genetics (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Integrated Genetics/Laboratory Corporation of America (2018), GeneDx (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
804488	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	26467025, Amby Genetics (2015), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Integrated Genetics/Laboratory Corporation of America (2018), GeneDx (2018), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)

Your Genetic Testing Data

<u>Variant ID</u>	<u>Gene</u>	<u>No Risk</u>	<u>Risk</u>	<u>Your Genetic Makeup</u>	<u>Condition / Trait Assessed</u>	<u>Reference(s)</u>
804489	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	, ClinVar Staff, National Center for Biotechnology Information (NCBI) (2018), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2018)
803167	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Invitae (2016), Color (2018)
803168	BRCA2	C	G	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), GeneDx (2015), Invitae (2015)
803169	BRCA2	C	G	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Ambry Genetics (2015), GeneDx (2015), Invitae (2015)
802507	BRCA1	T	C	TT	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Biesecker Lab/Clinical Genomics Section, National Institutes of Health (2013), Division of Genomic Diagnostics, The Children's Hospital of Philadelphia (2015), Ambry Genetics (2015), GeneDx (2015), Integrated Genetics/Laboratory Corporation of America (2018)
802508	BRCA1	D	I	DD	Increased Risk of Breast and/or Ovarian Cancer	, Sharing Clinical Reports Project (SCRP) (2012), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016)
802509	BRCA1	T	A	TT	Increased Risk of Breast and/or Ovarian Cancer	28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA1) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Integrated Genetics/Laboratory Corporation of America (2018)
803793	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Sharing Clinical Reports Project (SCRP) (2014), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2018)
803794	BRCA2	C	T	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Sharing Clinical Reports Project (SCRP) (2014), Counsyl (2017), Integrated Genetics/Laboratory Corporation of America (2018)
803795	BRCA2	I	D	II	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, Breast Cancer Information Core (BIC) (BRCA2) (2014), Quest Diagnostics Nichols Institute San Juan Capistrano (2016), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), GeneDx (2017)
804490	BRCA2	G	T	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	26467025, Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2019)
804491	BRCA2	T	C	TT	Likely Harmless Variant (previously associated with Hereditary cancer-predisposing syndrome)	24033266, 25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Counsyl (2015), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017), Integrated Genetics/Laboratory Corporation of America (2018)
804492	BRCA2	T	C	TT	Likely Harmless Variant (previously associated with Breast and/or Ovarian Cancer)	24033266, 25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA2) (2014), Counsyl (2015), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2017), Integrated Genetics/Laboratory Corporation of America (2018)
803170	BRCA2	G	C	GG	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 26467025, 26467025, 28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Ambry Genetics (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Integrated Genetics/Laboratory Corporation of America (2018)

Your Genetic Testing Data

Variant ID	Gene	No Risk	Risk	Your Genetic Makeup	Condition / Trait Assessed	Reference(s)
803171	BRCA2	G	C	GG	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 26467025, 26467025, 28492532, Breast Cancer Information Core (BIC) (BRCA2) (2014), GeneDx (2015), Ambry Genetics (2017), Quest Diagnostics Nichols Institute San Juan Capistrano (2017), Integrated Genetics/Laboratory Corporation of America (2018)
803172	BRCA2	C	T	CC	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 26467025, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Breast Cancer Information Core (BIC) (BRCA2) (2014), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA), c/o University of Cambridge (2016), Baylor Genetics (2017)
802825	BRCA2	I	D	II	Increased Risk of Breast and/or Ovarian Cancer	25741868, 25741868, 25741868, 26467025, 28492532, Ambry Genetics (2014), GeneDx (2015), Michigan Medical Genetics Laboratories, University of Michigan (2016), Laboratory for Molecular Medicine, Partners HealthCare Personalized Medicine (2016), Integrated Genetics/Laboratory Corporation of America (2018)
802826	BRCA2	T	A	TT	Increased Risk of Hereditary cancer-predisposing syndrome	28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2017), GeneDx (2018)
802827	BRCA2	T	A	TT	Increased Risk of Breast and/or Ovarian Cancer	28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2016), Evidence-based Network for the Interpretation of Germline Mutant Alleles (ENIGMA) (2016), Invitae (2017), GeneDx (2018)
802510	BRCA1	C	G	CC	Variant of Unknown Significance (possibly associated with Hereditary cancer-predisposing syndrome)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2016), Invitae (2018), Color (2019)
802511	BRCA1	C	G	CC	Variant of Unknown Significance (possibly associated with Breast and/or Ovarian Cancer)	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2016), Invitae (2018), Color (2019)
802512	BRCA1	G	A	GG	Increased Risk of Hereditary cancer-predisposing syndrome	25741868, 28492532, Sharing Clinical Reports Project (SCRP) (2012), Ambry Genetics (2014), Breast Cancer Information Core (BIC) (BRCA1) (2014), GeneDx (2017), Integrated Genetics/Laboratory Corporation of America (2018)

Genes Analyzed for Rare Diseases and Syndromes (1065 total):

A4GALT, AANAT, AANAT, ABCA1, ABCA12 , ABCA4, ABCB1, ABCB11, ABCB7, ABCC2, ABCC6, ABCC8, ABCG2, ABCG5, ABCG8, ABHD5, ABO, ACADM, ACADS, ACE, ACTA1, ACTA2, ACTG1, ACTN4, ACVRL1, ADA, ADAM33, ADAMTS13, ADD1, ADIPOQ, ADRA2A, ADRB2, ADRBK2, ADSL, AFG3L2, AGL, AGT, AHI1, AICDA, AIRE, AK1, ALAD, ALAS2, ALB, ALDH3A2, ALG1, ALG12, ALG3, ALG6, ALMS1, ALPL, ALS2, AMACR, AMN, AMPD1, ANK1, ANKH, ANTXR2, APC, APOA2, APOA5, APOB, APOE, APOH, APP, APRT, AQP1, AQP2, AR, ARFGEF2, ARG1, ARHGEF10, ARSA, ARSB, ARSE, ART4, ARX, ASAHL, ASL, ASPA, ATCAY, ATM, ATP1A2, ATP1A3, ATP2A2, ATP2C1, ATP6V0A4, ATP6V0A1, ATP7A, ATP7B, ATP8B1, ATRX, AVP, AVPR2, B3GALT3, B4GALT7, BAAT, BARD1, BAT3, BBS1, BBS10, BBS4, BCAM, BCKDHA, BCKDHB, BCL11A, BCOR, BCS1L, BDNF, BEST1, BIN1, BMPR1B, BRAF, BRCA1, BRCA2, BRIP1, BRWD3, BSCL2, BSN, BSND, BTD, BTK, C1NH, C2, C3, C5, CA2, CABP4, CACNA1A, CACNA1C, CACNA1F, CACNA1S, CACNB4, CARD15, CASP10, CASP8, CASR, CAT, CAV3, CBS, CC2D2A, CCK, CCL2, CCL3, CCL5, CCM2, CCR5, CD151, CD36, CD3D, CD40, CD46, CD83, CD96, CDC73, CDH1, CDH23, CDKL5, CDKN1A, CDKN1B, CDKN2A, CDSN, CEP290, CERKL, CFB, CFH, CFHR5, CFTR, CHD7, CHEK2, CHM, CHMP2B, CHRNA1, CHRNA2, CHRNB1, CHRNB2, CHRN2, CHRNE, CHRNG, CHST3, CIAS1, CLCN2, CLCN5, CLCN7, CLCNK, CLDN16, CLN5, CLN6, CLN8, CLOCK, CNGA3, CNGB3, COCH, COL1A1, COL1A2, COL3A1, COL4A3, COL4A4, COL4A5, COL5A1, COL5A2, COL6A1, COL7A1, COL8A2, COMP, COX15, CPOX, CPT1A, CPT2, CRB1, CREB1, CREBBP, CRELD1, CRP, CRX, CRYAB, CRYBB2, CRYGC, CRYM, CST3, CSTB, CTH, CTLA4, CTSC, CTSK, CUBN, CUL4B, CXCR4, CYBA, CYBB, CYCS, CYP11A1, CYP11B1, CYP17A1, CYP19A1, CYP1A1, CYP1A2, CYP1B1, CYP21A2, CYP27A1, CYP27B1, CYP2A13, CYP2A6, CYP2B6, CYP2C19, CYP2C8, CYP2C9, CYP2D6, CYP2E1, CYP2J2, CYP2R1, CYP3A4, CYP3A43, CYP3A5, CYP3A7, CYP4B1, DBH, DBT, DCCDC2, DCLRE1C, DCTN1, DCX, DDB2, DES, DGUOK, DHCR24, DHCR7, DIAPH1 , DKC1, DLD, DMD, DNA1, DNASE1, DPP10, DRD2, DRD4, DRD5, DSP, DTNA, DTNBP1, DUOX2, DYSF, EBP, ECE1, ECGF1, EDN3, EDNRB, EFHC1, EFNB1, EGFR, EGR2, EIF2B1, EIF2B2, EIF2B3, EIF2B5, ELA2, ELAC2, ELN, EMD, EN2, ENG, ENPP1, EP300, EPB41 , EPB42, EPHB2, EPHX1, EPM2A, EPP, ERBB3, ERCC2, ERCC5, ERCC6, ESPN , ESR1, ESR2, ESRB, ETFDH, ETHE1, EXT2, EYA4 , F10, F12, F13A1, F2, F5, F7, F8, F9, FAFL4, FAH, FAM92B, FANCC, FANCE, FANCF, FBN1, FBN2, FCGR3A, FGA, FGD1, FGD4, FGF23, FGF3, FGFR1, FGFR2, FGFR3, FGG, FH, FKRP, FLCN, FLG , FLNA, FLNB, FLT4, FMO2, FMO3, FMR1, FOXC2, FOXL2, FOXP2, FOXP3, FRMD7, FRZB, FTCD, FUCA1, FUT1, FUT3, FUT6, FXN, FXYD2, G6PC, G6PD, GAA, GABRA1, GABRB1, GABRB3, GALNS, GALNT3, GALT, GAN, GAPDH, GARS, GATA1, GATA4, GBA, GBE1, GC, GCCR, GCH1, GCK, GCM2, GDAP1, GDF5, GDNF, GFAP, GFI1, GFM1, GGCX, GH1, GHRL, GJA1, GJA3, GJB2, GJB3, GJB6, GK, GLA, GLB1, GLDC, GLE1L, GLI2, GLI3, GLIS2, GLRA1, GLUD1, GM2A, GNAS, GNAT1, GNAT2, GNE, GNMT, GNPTAB, GNPTG, GNRHR, GP1BA, GP9, GPC3, GPC5, GPD1L, GPD2, GPR143, GPR50, GPR56, GRM6, GRM7, GRN, GSN, GSTM1, GSTT1, GUCY2D, GYS2, HADH2, HAX1, HBA2, HBB, HBD, HBG2, HCN4 , HCRT, HCRTR2, HESX1, HEXA, HEXB, HFE, HGD, HLA, HLA-DPA1, HLA-DPB1, HLA-DRA, HLA-DRB1, HLCS, HMBS, HMGCL, HMGCR, HMGCS2, HNF4A, HOXD13, HPD, HPRT1 , HR, HRAS, HSD17B3, HSD3B2, HSF4, HSN2, HSPA1L, HSPB1, HTR1A, HTR2A, HTR2C, IDS, IDUA, IFNG, IGF1R, IGHM, IGLL1, IHH, IKBKAP, IL10, IL12B, IL12RB1, IL1RN, IL2, IL2RG, IL4R, IL7R, IL8, INPP1, INS, INSL3, INSR, INVS, IRAK1, IRGM, ITGA6, ITGB2, ITGB3, ITGB4, IVD, JAG1, JAK2, JAK3, JRK, JUP, KAL1, KCNA1, KCNE1, KCN11, KCNJ1, KCNJ2, KCNMA1, KCNQ1, KCNQ2, KCNQ4, KEL, KHK, KIAA0274, KIAA1267, KIF5A, KIR2DL1, KISS1R, KIT, KLK1, KRAS2, KRT1, KRT10, KRT12, KRT14, KRT17, KRT5, KRT6A, KRT9, KRTHB6, L1CAM, LAMA2, LAMA3, LAMB3, LAMC2, LAMP2, LCAT, LDB3, LDLR, LEP, LGI1, LHB, LHCGR, LIPA, LIPC, LIPH, LIPJ,

Your Genetic Testing Data

LMNA, LMX1B, LPIN2, LPL, LRPS, LRPPRC, LRRK2, LTA, LYST, LYZ, MAF, MAP2K1, MAP2K2, MAPT, MARK1, MASS1, MASTL, MATN3, MBL2, MC1R, MC2R, MC3R, MC4R, MCC1, MCC2, MCFD2, MCM6, MCOLN1, MECP2, MED12, MEF2A, MEFV, MEN1, MET, MFN2, MFRP, MGAT2, MICB, MID1, MIF, MINPP1, MITF, MKKS, MKS1, MLC1, MLH1, MLH3, MLYCD, MMAB, MMACHC, MMP9, MPI, MPL, MPO, MPZ, MRE11A, MSH5, MSH6, MSR1, MSX1, MTATP6, MTCO1, MTCYB, MTF1, MTHFD1, MTND1, MTND4, MTND5, MTND6, MTR, MTRNR1, MTRR, MTTE, MTTF, MTTK, MTTK, MTTL1, MTTQ, MTTS1, MTTS2, MTTV, MUC1, MUT, MUTYH, MVK, MYF6, MYH11, MYH14, MYH3, MYH8, MYL3, MYO6, MYO7A, MYO9B, MYOC, NAGPA, NALP1, NALP7, NAT1, NAT2, NBN, NCF2, NDP, NDUF53, NDUF58, NDUFV1, NEFL, NELF, NEU1, NEUROG3, NF1, NF2, NFKBIA, NFKBIL1, NGFB, NHLRC1, NKX2-5, NLGN3, NLGN4X, NME1, NOBOX, NOG, NOS1AP, NOS2A, NOS3, NOTCH2, NOTCH3, NP, NPC1, NPC1L1, NPC2, NPHP1, NPHP4, NPHS1, NPHS2, NPRO2, NR0B1, NR0B2, NR2E3, NR4A2, NR5A1, NRG1, NRXN1, NTRK1, NTRK2, NYX, OAT, OCR, OGG1, OPA1, OPA3, OPN1MW, OPTN, ORM1, OSTM1, OTC, OTOF, P2RY5, PAFAH1B1, PAH, PANK2, PARK2, PARK7, PAX3, PAX6, PAX8, PAX9, PC, PCCA, PCCB, PCDH15, PCNT, PCSK9, PDE11A, PDE4D, PDGFRA, PDHA1, PDHB, PEO1, PER2, PEX1, PEX12, PEX13, PEX14, PEX26, PEX3, PEX5, PFC, PFKM, PGAM2, PGK1, PHEX, PHF6, PHKA2, PHOX2B, PHYH, PINK1, PIP5K1C, PITX2, PITX3, PKD1, PKHD1, PKLR, PLA2G7, PLEC1, PLEKHG5, PLG, PLD1, PLP1, PMM2, PMP22, POLG, POMC, POMGNT1, POMT1, POMT2, POR, POU6F2, PPARA, PPARG, PPGB, PPOX, PPP1R3A, PRF1, PRKG2, PRKAR1A, PRNP, PROC, PROCR, PRODH, PROZ, PRPH, PRPH2, PRPS1, PRSS1, PRX, PSAP, PSEN1, PSEN2, PSPH, PSTPIP1, PTCH, PTEN, PTG1, PTH, PTPN11, PTPN2, PTPN22, PTPRC, PTPRJ, PTS, PUS1, PVRL1, PXMP3, PYGL, PYGM, QDPR, RAB27A, RAF1, RAG1, RAG2, RAPSN, RASA1, RB1, RDH12, RECQL2, RECQL3, RECQL4, RET, RHAG, RHO, RLBP1, RMRP, ROBO2, ROR2, RP1, RP2, RPGRIP1, RPGRIP1L, RP56KA3, RTN4R, RUNX1, RUNX2, RYR1, S100B, SAA1, SAR1B, SBDS, SCN1A, SCN1B, SCN4A, SCN5A, SCN9A, SCNN1A, SCNN1B, SCNN1G, SCO2, SDHD, SERPINA10, SERPINA3, SERPINA6, SERPINA7, SERPIN1C, SERPIND1, SERPINE1, SERPIN2, SERPIN1I, SETX, SFTP, SGCA, SGCB, SGCE, SH3BP2, SH3TC2, SHH, SIX3, SLC12A1, SLC12A3, SLC14A1, SLC16A1, SLC16A2, SLC19A2, SLC22A5, SLC25A15, SLC25A20, SLC25A4, SLC26A2, SLC2A2, SLC34A3, SLC35C1, SLC37A4, SLC39A13, SLC3A1, SLC40A1, SLC44A2, SLC4A1, SLC5A2, SLC5A5, SLC6A19, SLC6A2, SLC6A3, SLC6A4, SLC7A9, SLC9A9, SLTRK1, SLURP1, SMAD4, SMARCB1, SMN1, SMPD1, SNAP25, SNCA, SNCAIP, SNCB, SOD1, SOD3, SOS1, SPAST, SPATA16, SPG20, SPG3A, SPI1, SPINK1, SPINK5, SPRED1, SPTA1, SPTB, SPTLC1, SQSTM1, SRD5A2, ST14, ST3GALS, STAR, STAT3, STK11, STOX1, STX4A, SYN3, TACSTD2, TAP1, TAP2, TAPBP, TAT, TAZ, TBCE, TBX20, TBX22, TBX4, TBXAS1, TCF1, TCF2, TCF4, TCIRG1, TCN2, TCOF1, TECTA, TERC, TERT, TF, TFR2, TG, TGFB1, TGFB2, TGFB2R, TGFB2R2, TGM1, TH, THBD, THPO, THRAP2, THR, TITF1, TJP2, TLR2, TLR3, TMEM216, TMEM67, TMIE, Tmprss3, Tmprss6, TNF, TNFRSF1A, TNFSF11, TNNI2, TNNT2, TNNT3, TNP1, TNXB, TOMM40, TOPORS, TOR1A, TP53, TPH2, TPI1, TPM2, TRAPP2, TREM2, TRPM6, TRPS1, TSC1, TSC2, TSHR, TTBK2, TTID, TTN, TTPA, TTR, TXNDC3, TYMS, TYR, TYRP1, UBE3A, UBIAD1, UCHL1, UCP1, UCP2, UCP3, UGT1A1, UGT1A7, UMOD1, UNG, UPF3B, UROD, UROS, USH1C, USH1G, USH2A, USH3A, USP9Y, VANG1, VDR, VEGF, VHL, VKORC1, VPS13A, VPS13B, VPS33B, VSX1, VWF, WAS, WFS1, WISP3, WNT10A, WT1, XDH, XPC, XRCC3, ZFP2, ZIC2, ZIC3, ZNF41, ZNF81

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Your Genetic Testing Data

(6) Wadelius et al. (2007), Anderson et al. (2007), Gage et al. (2008), N Engl J Med 2009;360:753-64, Lenzini et al. (2007), Lenzini et al. (2008), Schwarz et al. (2008), Schelleman et al. (2008), Millican et al. (2007)

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Lifetime Risk Tables

The following tables are generic and for reference purposes only. **They do not represent your own lifetime risk of any of these conditions.** Everyone who receives a report receives this exact page. Your own particular calculated lifetime risk for each of the following diseases is conveyed in the pages that follow later in this report.

Your genetic report assigns you to a specific risk category for each of the following conditions. The tables below convey what each category represents. Please note that the lifetime risk values associated with each risk category are unique for each condition, which is why each disease has its own table.

Risk legend for Melanoma

Melanoma Risk		
Risk Category	Lifetime Risk Range	Automatic Minimum Risk Level
Lower	<2%	
Normal	2%	
Slightly Increased	2.1-3.9%	
Moderate	4-9.9%	One marker found in the MC1R gene
High	10-19.9%	Two markers found in the MC1R gene
Very High	≥20%	One marker found in the CDKN2A or CDK4 genes

Risk legend for Osteoporosis

Risk Category	Osteoporosis Risk*		Automatic Minimum Risk Level
	Lifetime Risk Ranges		
Lower	<30%		
Normal	30%		
Slightly Increased	30.1-34.9%		
Moderate	35-49.9%		
High	50-69.9%		
Very High	≥70%		One or two G661S risk markers in the COL1A2 gene

*Osteoporosis risk provided only for females due to insufficient genetic studies of osteoporosis risk in men.

Risk legend for Osteoarthritis

Risk Category	Arthritis (Osteoarthritis) Risk			
	Knee Arthritis		Hip Arthritis	Hand/Wrist Arthritis
	Female	Male	Lifetime Risk Ranges	Lifetime Risk Ranges
Lower	<47%	<40%	<25%	<30%
Normal	47%	40%	25%	30%*
Slightly Increased	47.1-49.9%	40.1-44.9%	25.1-29.9%	30.1-34.9%
Moderate	50-59.9%	45-59.9%	30-49.9%	35-49.9%
High	60-74.9%	60-74.9%	50-69.9%	50-69.9%
Very High	≥75%	≥75%	≥70%	≥70%

*The exact statistic for normal lifetime risk of wrist and hand arthritis does not exist, so the 30% lifetime risk is an estimate based on epidemiologic data from the CDC.

Risk legend for Heart Attack

Risk Category	Heart Attack Risk*		
	Lifetime Risk Ranges		Automatic Minimum Risk Level
Lower	<25%	<42%	
Normal	25%	42%	
Slightly Increased	25.1-29.9%	42.1-44.9%	
Moderate	30-49.9%	45-49.9%	One or two risk markers at rs268 in the LPL gene
High	50-69.9%	50-69.9%	
Very High	≥70%	≥70%	One or two risk markers in the LDLR, LPL, LIPI, LIPA, APOB, APOA2, APOA5, ABCG5, or ABCG8 genes

*Early-onset heart attack (before age 50) = one or two markers detected at rs5918 in ITGB3 or rs10757274, rs2383206, rs2383207, rs10757278, rs1333049 in 9p21.

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