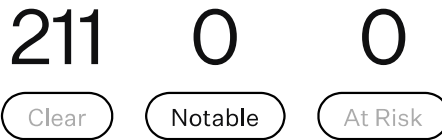




Summary

We didn't detect any known genetic health predispositions in Venus's DNA.



We've tested Venus's DNA against the world's largest panel of dog genetic health checks so you can rest easier.

Some things to keep in mind:

Our ability to report on risks affecting your dog is only as advanced as the science — which is ever progressing. Make sure to check back again every now and then to find out if new discoveries could help inform you about your dog's health.

Also, genetics is only one factor in a dog's health, so be sure to give your dog appropriate food and enough exercise.

Medical Complications

Venus is all clear for 29 genetic conditions that could impact her early vet visits.

We worked with veterinarians to develop tests for conditions that most affect early care, such as drug sensitivity, immune deficiency, and bleeding disorders.

Here are some conditions common in dogs with Venus's breed makeup:

Clear

MDR1 Medication Sensitivity

The MDR1 gene mutation causes a defect to a drug pumping protein that plays an important role in limiting drug absorption and distribution (particularly to the brain). Dogs with the MDR1 mutation may have severe adverse reactions to some commonly used medications.

Found in breeds including:

German Shepherd Dog

Clear

Canine Scott Syndrome

Canine Scott Syndrome (CSS) is a bleeding disorder caused by a hereditary defect affecting blood platelets, which are important in the blood clotting process. This means that clots form more slowly at a site of bleeding.

Found in breeds including:

German Shepherd Dog

Clear

Hemophilia A (Discovered in the German Shepherd Dog - Variant 2)

© 2021 Mars, Inc. All Rights Reserved

Hemophilia A, also known as Factor VIII Deficiency, is a blood clotting disorder, which can cause bruising or abdominal bleeding without apparent reason. The disease is more commonly seen in male dogs.

Found in breeds including:

German Shepherd Dog

In collaboration with



Premium Exclusive

Health Risks

We performed an additional 182 tests for genetic health risks — Venus is all clear here too!

We've spent over a decade researching genetic conditions in pets, and partnered with other leaders in the field, to develop the largest panel of dog genetic health tests in the world.

Here are some health risks common in dogs with Venus's breed makeup:

Clear

Degenerative Myelopathy

Degenerative Myelopathy (DM) is a neurological disorder, usually affecting dogs in their senior years. Loss of hind limb coordination is an early sign of disease, and as the condition progresses the hind limbs of affected dogs become increasingly weak.

Found in breeds including:

German Shepherd Dog

Clear

Hyperuricosuria

Hyperuricosuria (HUU) is a condition that predisposes affected dogs to the formation of urinary stones, such as kidney or bladder stones.

Found in breeds including:

German Shepherd Dog

© 2021 Mars, Inc. All Rights Reserved

[Clear](#)

Mucopolysaccharidosis Type VII (Discovered in the German Shepherd Dog)

Mucopolysaccharidosis Type VII (MPS VII) is a disorder causing hind limb weakness (progressing to incoordination in all legs), growth retardation, facial and other skeletal abnormalities, and corneal clouding.

Found in breeds including:

[German Shepherd Dog](#)

Premium Exclusive

Carrier Status

If you're considering breeding Venus, good news: we did not detect any concerning genetic variants.

Please note, although Venus is clear for the genetic variants we tested, it is possible that she is a carrier/at risk for genetic variants not included in this test, which could be passed on to her offspring.

- ⓘ **There are many responsibilities to consider when breeding dogs. Regardless of test results it is important that your dog is in good general health and that you are in a position to care for the puppies if new responsible owners are not found. For first time or novice breeders, advice can be found at most kennel club websites.**

Key Research Partners

