

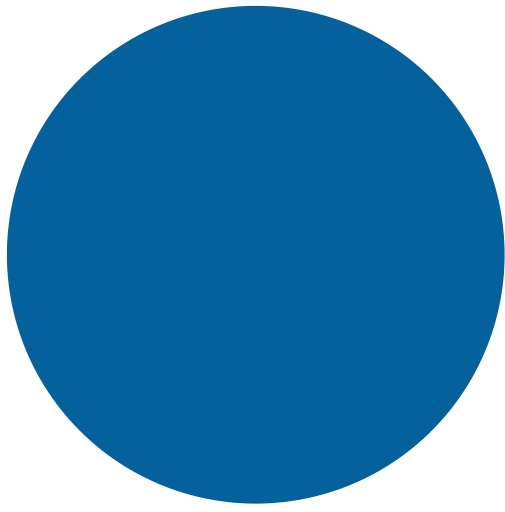
DISCOVER ALL

ABOUT CAPTAIN VON DER HAUS GUESS

The results are in! Let's take a look at what the DNA tells us about Captain Von Der Haus Guess's ancestry.

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CAPTAIN VON DER HAUS GUESS'S BREED BY PERCENTAGE



● 100% German Shepherd
Dog

Exciting news, the results are in! Here's what makes Captain Von Der Haus Guess so unique. Using the data generated from Captain Von Der Haus Guess's DNA, our sophisticated computer algorithm performed over 17 million calculations! What you see here is Captain Von Der Haus Guess's ancestry by percentage.

GERMAN SHEPHERD DOG

INITIALLY BRED FOR HERDING, STRENGTH, INTELLIGENCE AND TEMPERAMENT.

- Personalities can vary from calm and watchful/observant to energetic.
- Enjoys participating in dog sports such as agility, tracking, flyball, and competitive obedience.
- Eager to learn and responds well to reward-based training.
- The German Shepherd Dog was originally bred for various purposes including the guarding of people and/or property. Individual members of this breed will benefit from firm and dedicated training to temper this guarding tendency, and thus help to maintain safety as a household companion.

▶ **Height**

22 - 26 in

▶ **Weight (show)**

48 - 89 lb

▶ **Weight (pet)**

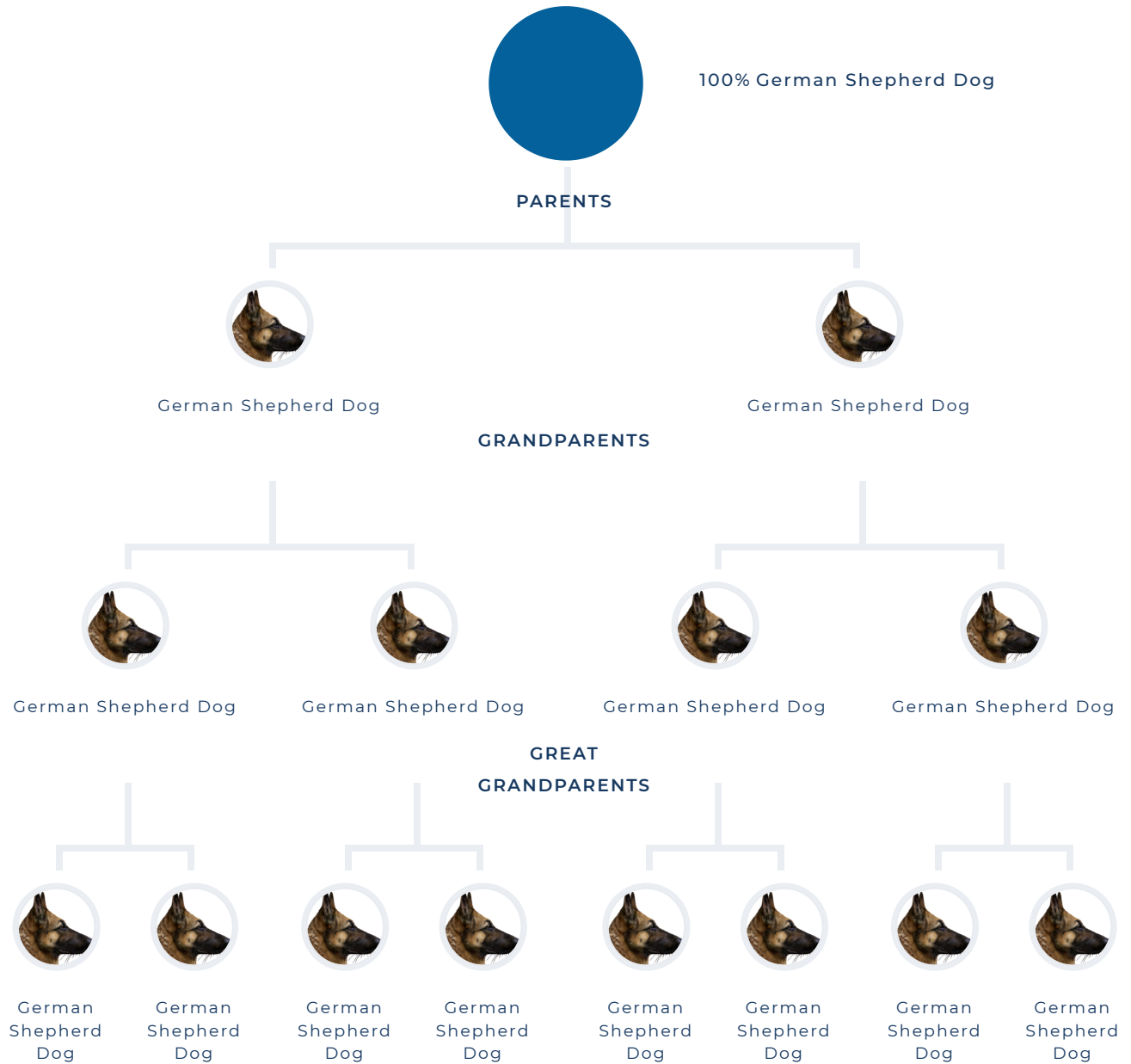
48 - 97 lb



DID YOU KNOW?

The German Shepherd has a really impressive résumé. Over the years, they've been guard dogs, guide dogs, search and rescue dogs, and much more. Though initially bred for herding, their strength, intelligence and temperament have made them invaluable in all kinds of roles. They were used as German police and military animals during both World Wars. During World War I, allied soldiers took notice of their skills and brought the breed back home—but it was really after the end of the Second World War that they became popular worldwide. Today, they're just as likely to be home dogs as they are military dogs. Either way, they'll always rank highly in our estimation.

CAPTAIN VON DER HAUS GUESS'S FAMILY TREE



CAPTAIN VON DER HAUS GUESS'S HEALTH RESULTS

SAMPLE ID: H022963

We have tested Captain Von Der Haus Guess's DNA for more than 150 disease-causing mutations. Below is a summary of our findings. For more detailed information on each of these diseases, please log into your account and review your comprehensive health results.



AT RISK - 0

Being "At Risk" means Captain Von Der Haus Guess may show or develop signs of one of the following genetic diseases. Please be sure to read the condition information carefully and share these results with your veterinarian.



CARRIER - 0

Carrier status is where a dog has inherited one copy of a disease-causing mutation, when two copies are usually needed for disease signs to occur. The good news is that carriers are unlikely to show disease signs, but there may be a slight increase in risk of disease for some conditions. Please be sure to read the condition information carefully and share these results with your veterinarian.



CLEAR - 151

Captain Von Der Haus Guess inherited zero copies of these disease mutations. Be sure to use our share feature to let your veterinarian know about Captain Von Der Haus Guess's results. For some of the conditions there may still be undiscovered mutations and/or environmental factors that could lead to similar disease signs. These clear results will help narrow down a future diagnosis if Captain Von Der Haus Guess ever gets sick.

CAPTAIN VON DER HAUS GUESS'S TRAITS

SAMPLE ID: H022963

Furnishings

Captain Von Der Haus Guess does not carry any copies of the gene for 'furnishings' (which would give them a fuzzy beard and eyebrows). This means they probably have smooth, short facial hair. Did you know you can often get 'furnished' and 'unfurnished' dogs within the same breed?

Coat Color Main Possibilities Genotype: at/at E m/Em ky/ky wt/wt

Captain Von Der Haus Guess probably has a dark-colored, saddle-shaped pattern on their back, which is common in breeds like the German Shepherd and Beagle. They'll likely also have a dark facial 'mask'. Did you know some dogs with this trait are born 'black-and-tan' but that the dark hairs fade until only the saddle pattern remains?

Leg Length Genotype: DD

Captain Von Der Haus Guess's legs should be relatively long in length, based on this marker (though there can be other genes that affect leg length). Did you know different dogs can have different leg lengths even if they are the same breed?

Ear Carriage Genotype: TT

A lot of factors can decide the shape of a dog's ear. But as far as we can tell, Captain Von Der Haus Guess probably has perk or upright ears. Did you know this type of ear is recessive (which means you need a copy from each parent to show it)? Common breeds with upright ears include German Shepherd, Chihuahua and Husky.

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Tail Length Genotype: CC

Captain Von Der Haus Guess likely was born with a long tail - although the exact length can vary from dog to dog. Long tails are sometimes known as 'coffee table clearers'. (If you've ever seen a long-tailed dog get excited near one, you'll know exactly why.)

CAPTAIN VON DER HAUS GUESS'S TRAITS CONTINUED

SAMPLE ID: H022963

| | |
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| Base Pigment Color Genotype: B/B | Captain Von Der Haus Guess carries the gene for the 'expression' of black pigment. This means that even though their overall coat color may not be black, they are still able to make black pigment. They will also likely have black around their eyes, a black nose, and may even have black pads on their feet. |
| Coat Length and Type Genotype: TT CC | Captain Von Der Haus Guess's coat is probably on the long side. The exact length of a dog's coat is down to several factors so it can vary. Did you know long hair is actually a recessive trait and results from inheriting two 'broken' copies of the gene that tells hairs to stop growing and shed? |
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IDEAL WEIGHT

SAMPLE ID: H022963

Based on our findings, we've calculated that Captain Von Der Haus Guess's ideal, adult weight should be:

61 lbs - 97 lbs

We've factored everything we know about Captain Von Der Haus Guess in predicting a healthy, adult weight. However environmental factors such as the nutrition of Captain Von Der Haus Guess's mom during pregnancy and nursing, Captain Von Der Haus Guess's nutrition during critical growth months, illness/parasites/ticks/fleas, and exercise levels can affect the actual weight of Captain Von Der Haus Guess.

CALCULATING WEIGHT

Our weight-predictive algorithm uses a combination of the following to calculate Captain Von Der Haus Guess's ideal, adult weight:

- The published weight ranges of more than 200 purebred dogs.
- The observed weights of purebred dogs, each with an ideal Body Condition Score, from the Banfield® Pet Hospital database.
- Breeds the WISDOM PANEL™ test analysis has identified that reflect a dog's true heritage and genetic complexity.
- A genetic algorithm based on mixed-breed data that calculates the contribution of each set of chromosomal genetic markers.

ENVIRONMENTAL EFFECTS ON WEIGHT


A dog's early life is very important in determining how they will grow and develop. They can fail to reach their ideal weight for a number of reasons, including the diet of their mother during pregnancy and nursing (as well as their own diet as puppies). Illness and disease can play a part too, as can having parasites like roundworms or fleas and ticks. For dogs who are adopted after they are fully-grown, it may be harder to find the historical background on these factors.

Maintaining a healthy weight is a key factor in Captain Von Der Haus Guess having a long and healthy life.


ADDITIONAL BREED TESTS

Our family tree analysis shows that Captain Von Der Haus Guess closely resembles a single dog breed, based on the samples in the WISDOM PANEL™ database. We have included some extra tests free of charge to investigate this in more detail.


Single Breed Comparison

This analysis shows the relationship  between Captain Von Der Haus Guess and the German Shepherd Dog samples in our database with each individual dog represented as a dot. The closer the dots on the chart the closer the genetic relationship. Captain Von Der Haus Guess's sample falls within the German Shepherd Dog cluster showing that Captain Von Der Haus Guess's genetic profile closely resembles the other dogs from this breed in the Wisdom Panel database.

Single Breed Vs. All Breeds

Here we have compared Captain Von Der  Haus Guess's data to German Shepherd Dog samples, and also a single representative sample from the other breeds in the WISDOM PANEL database. This is another way of showing that Captain Von Der Haus Guess's data is more like the German Shepherd Dog than any other breed. Captain Von Der Haus Guess's sample falls within the German Shepherd Dog cluster showing that Captain Von Der Haus Guess's genetic profile closely resembles the other dogs from this breed in the WISDOM PANEL database.

Homozygosity

Homozygosity is a measure of how many of  Captain Von Der Haus Guess's genetic markers are identical because the same version was passed down from both the mother and father. Purebred dogs tend to have a higher homozygosity score than most mixed breed dogs, and each breed within the WISDOM PANEL database has a specific range of scores. Captain Von Der Haus Guess's homozygosity score falls within the range for the German Shepherd Dog samples found in the WISDOM PANEL database.

WISDOMTM PANEL



STATEMENT OF AUTHENTICATION

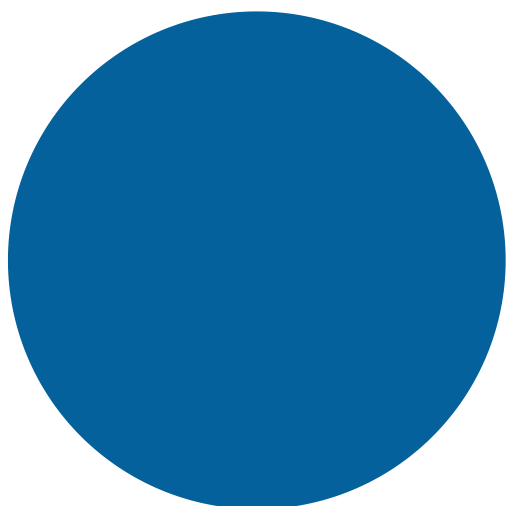
Owner's Name: **AnnDelyn Guess**

Dog's Name: **Captain Von Der Haus Guess**

Sample Id: **H022963**

Date: **June 9, 2019**

This certifies the authenticity of Captain Von Der Haus Guess's canine genetic background as determined, following the careful analysis of more than 1800 genetic markers, by the WISDOM PANELTM Canine DNA Test. The purebred breed signature matches included in the analysis are those that were detected in the last three generations of Captain Von Der Haus Guess's ancestry using the Wisdom Health proprietary breed detection algorithm.



● 100% German Shepherd Dog