

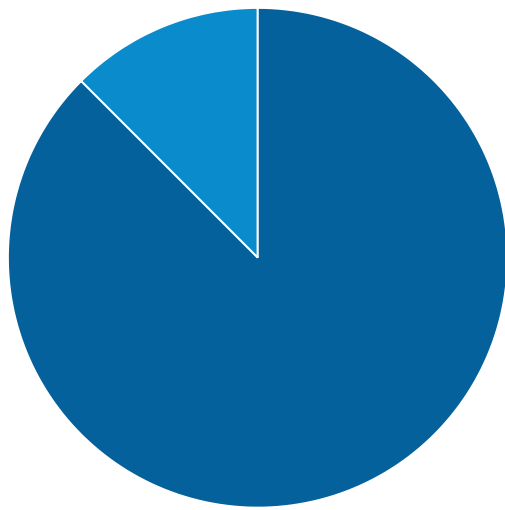
DISCOVER ALL

# ABOUT WINNIE

The results are in! Let's take a look at what the DNA told us about Winnie's ancestry...

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# WINNIE'S BREED BY PERCENTAGE



- 87.5% Standard Poodle
- 12.5% Breed Group(s)
  - Sporting
  - Guard
  - Terrier
  - Middle Eastern and African

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

# STANDARD POODLE

## SMART AND PLACID DOGS.

- Intelligent, calm, and usually friendly dogs.
- Some can have a high amount of energy.
- Have a sensitive nature and respond well to motivational tools such as treats or favorite toys in a reward-based approach to training.
- Generally good family dogs.

▶ **Height**  
**Over 15 in**

▶ **Weight (show)**  
**44 - 65 lb**

▶ **Weight (pet)**  
**42 - 69 lb**



## DID YOU KNOW?

The fact that Poodles have been featured in royal artwork since the 1500s is probably part of the reason many think they're a French breed. But they're actually not. Instead, these smart and placid dogs are shrouded in mystery when it comes to their origin. Some experts say they originated in Central Europe or Russia, while others cite Spain or Portugal. What is not disputed, however, was their modern traits were developed in France. Although they're thought of as ornamental lap dogs, they are technically gun dogs with an excellent reputation for bird hunting and water retrieval. Their name has its roots in an old German word meaning 'to splash about' – a reference to their fondness for water. There's no question our feelings for these amazing dogs run pretty deep.

# BREED GROUPS WINNIE IS MOST LIKELY RELATED TO

We tested Winnie's ancestry for specific pure breeds, going back three generations (or to the great-grandparents). Beyond this, today's technology can only identify down to the genetic "group" level (sporting, toy, guard, etc.). We know the breeds found in these groups and that Winnie may share genetic similarities with many of them. We've arranged these in order, with the most likely starting at the top. The breeds displayed are examples of breeds in each specific group. The full list for each can be found on the breeds we analyzed, click on the link below.

## **SPORTING GROUP**

The sporting group breeds are incredibly diverse in personality and appearance, but can be characterized as very sturdy. They were developed to work closely with people and in general have a very responsive nature and high intelligence.

## **GUARD GROUP**

Dogs of the Guard Group were bred to guard people and property. They are often quick to learn and these intelligent, capable animals make solid companions.

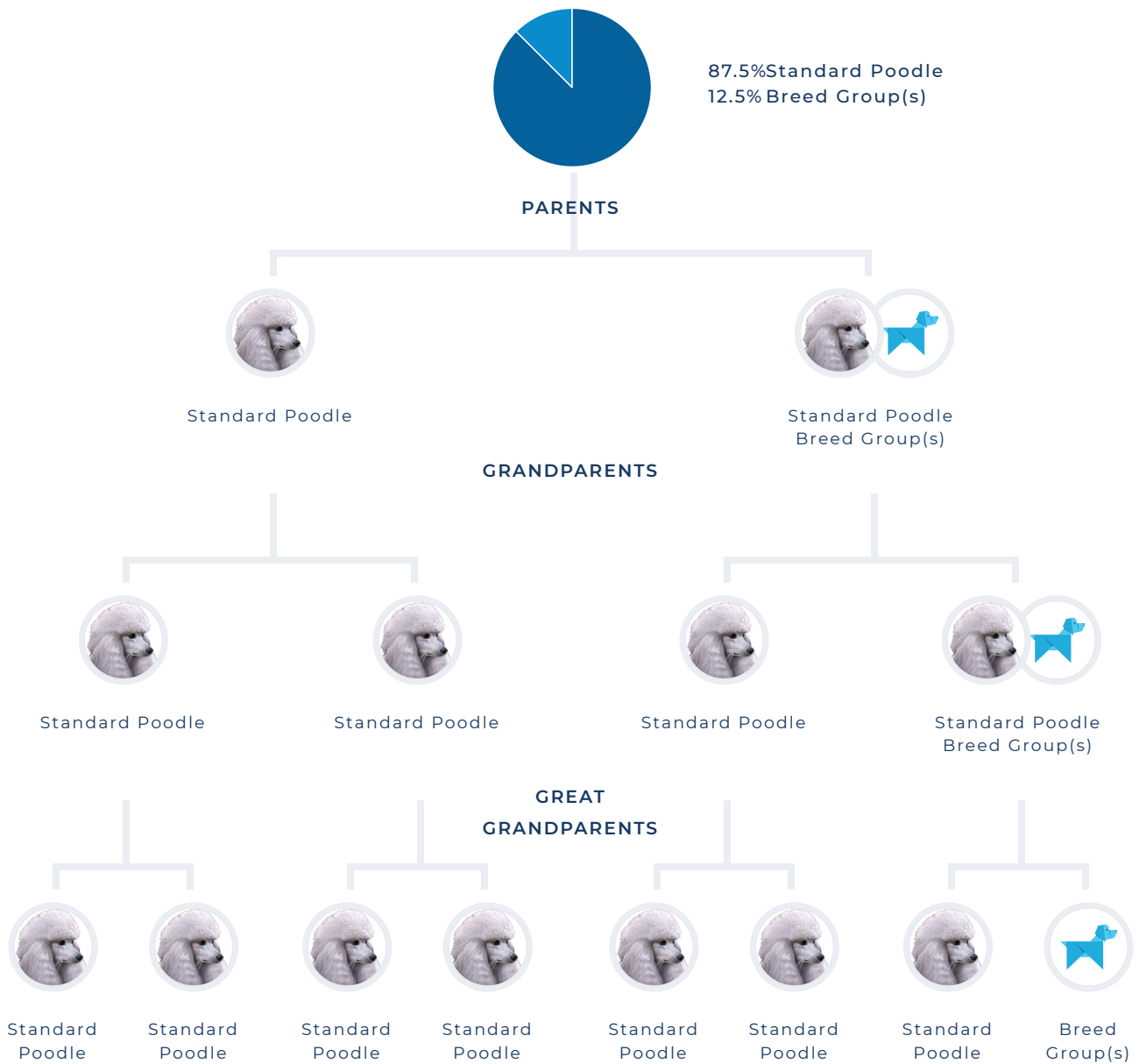
## **TERRIER GROUP**

The Terrier Group ancestors were bred to hunt and kill vermin. They are often characterized as feisty and energetic dogs whose sizes range from fairly small to much larger.

## **MIDDLE EASTERN AND AFRICAN GROUP**

While this ancient group shares many of the characteristics of the Hound Group, their origins, as the name would suggest, are concentrated in Africa and the Middle East unlike the hound group that has no true geographic center.

# WINNIE'S FAMILY TREE



# WINNIE'S HEALTH RESULTS

SAMPLE ID: H039172

We have tested Winnie'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 Winnie 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 - 159

Winnie inherited zero copies of these disease mutations. Be sure to use our share feature to let your veterinarian know about Winnie'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 Winnie ever gets sick.

# WINNIE'S TRAITS

SAMPLE ID: H039172

## Furnishings

Winnie carries the gene for 'furnishings', which means they are likely to have a fuzzy beard and eyebrows. This trait is commonly associated with terriers, but is carried by many other breeds as well, including the Poodle. It may also have come from many generations back in their ancestry.

**Coat Color Main Possibilities**  
**Genotype: at/a e/e KB/KB,KB/kbr,kbr/kbr l/wt**

Winnie appears to be a yellow or tan color. Dogs with this result can actually show colors from white all the way to deep red. (Did you know because your dog has this genotype, they cannot make black pigment in their coats, so won't have even a single black hair?)

**Leg Length**  
**Genotype: DD**

Winnie'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: CC**

A lot of factors can decide the shape of a dog's ear. But as far as we can tell, Winnie probably has 'drop' or floppy ears. This type of ear is dominant, needing only one copy of the gene to show it. That's why it's so common in mixed breed dogs. Common breeds with drop ears include hounds, Labrador, Poodle and spaniels.

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**Tail Length**  
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Winnie 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.)

# WINNIE'S TRAITS CONTINUED

SAMPLE ID: H039172

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**Base Pigment Color**  
**Genotype: B/B**

Winnie 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.

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**Coat Length and Type**  
**Genotype: TT TT**

Winnie's coat is probably wiry and curly. Did you know this is because they show two copies of the gene for curl? If they'd shown one, their coat would be long and wavy.

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# IDEAL WEIGHT

SAMPLE ID: H039172

Based on our findings, we've calculated that Winnie's ideal, adult weight should be:

**41 lbs - 70 lbs**

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

## CALCULATING WEIGHT

Our weight-predictive algorithm uses a combination of the following to calculate Winnie'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 Winnie having a long and healthy life.


# ADDITIONAL BREED TESTS

Our family tree analysis shows that Winnie 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 Winnie and the Poodle (Standard) samples in our database with each individual dog represented as a dot. The closer the dots on the chart the closer the genetic relationship. Winnie's sample falls within the Poodle (Standard) cluster showing that Winnie'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 Winnie's data to  Poodle (Standard) samples, and also a single representative sample from the other breeds in the WISDOM PANEL database. This is another way of showing that Winnie's data is more like the Poodle (Standard) than any other breed. Winnie's sample falls within the Poodle (Standard) cluster showing that Winnie'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  Winnie'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. Winnie's homozygosity score falls within the range for the Poodle (Standard) samples found in the WISDOM PANEL database.

# WISDOM<sup>TM</sup> PANEL



## STATEMENT OF AUTHENTICATION

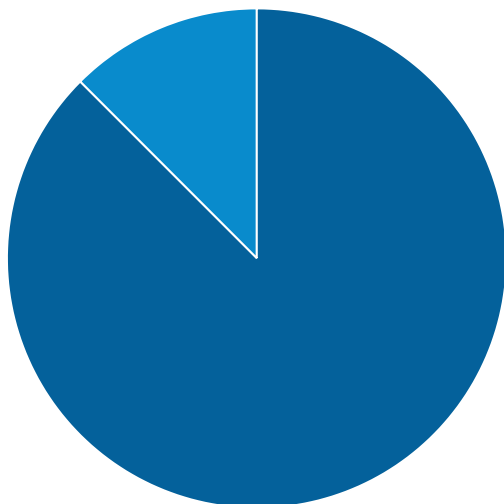
Owner's Name: **Aleta Utaatu**

Dog's Name: **Winnie**

Sample Id: **H039172**

Date: **March 31, 2020**

This certifies the authenticity of Winnie's canine genetic background as determined, following the careful analysis of more than 1800 genetic markers, by the WISDOM PANEL<sup>TM</sup> Canine DNA Test. The purebred breed signature matches included in the analysis are those that were detected in the last three generations of Winnie's ancestry using the Wisdom Health proprietary breed detection algorithm.



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