



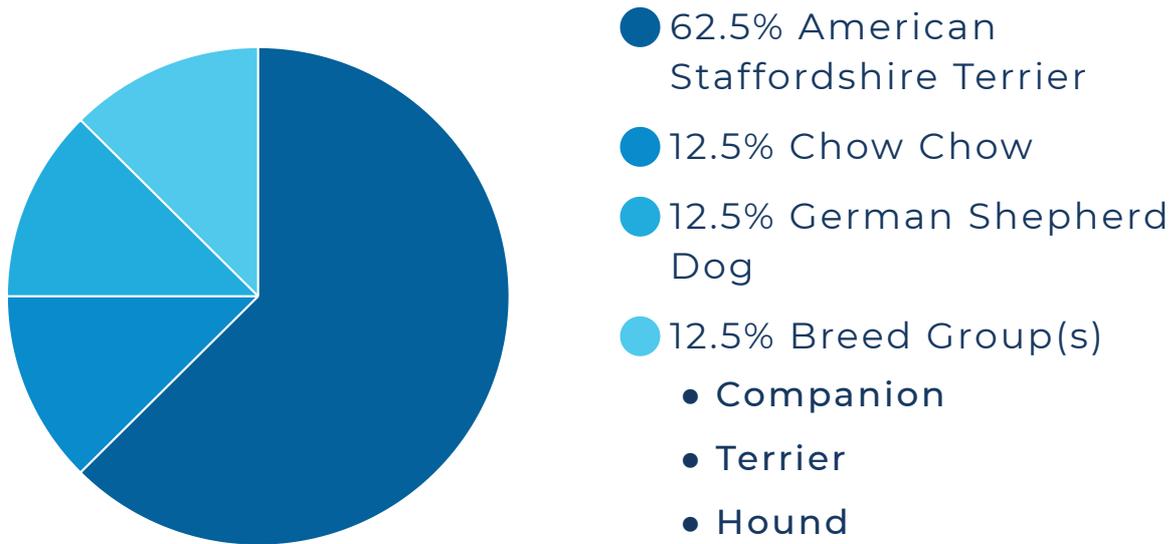
DISCOVER ALL

ABOUT MELLOW

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

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MELLOW'S BREED BY PERCENTAGE



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

AMERICAN STAFFORDSHIRE TERRIER

HARD-WORKING AND LOYAL DOGS.

- Intelligent, hard-working, and stoic dogs.
- Very loyal to family and usually good with children. May not get along well with other dogs.
- American Staffordshire Terriers seem to enjoy dog sports such as agility, flyball, rally and competitive obedience.
- The American Staffordshire Terrier 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

17 - 19 in

▶ Weight (show)

40 - 60 lb

▶ Weight (pet)

38 - 68 lb



DID YOU KNOW?

The American Staffordshire Terrier isn't originally from America. Instead, these hard-working loyal dogs have their roots in England. Back in the 19th century, various terriers were crossed with bulldogs, producing their ancestor – the English Staffordshire Terrier. As their modern, transatlantic cousin, the American Staffordshire Terrier is a very different animal, quite literally. In the US, they were specifically bred to be bigger and heavier – and used for dog fighting until it was eventually banned in the early 1900s. In 1936, the American Kennel Club officially recognized them as a breed. Today, we recognize them for their intelligent and extremely loyal natures.

CHOW CHOW

THESE NOBLE DOGS ARE ORIGINALLY FROM NORTHERN CHINA.

- Reputation as a loyal family dog.
- Reserved and wary with strangers.
- Independent spirit, but responds to reward-based obedience training.
- The Chow Chow 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**

18 - 22 in

▶ **Weight (show)**

40 - 65 lb

▶ **Weight (pet)**

42 - 69 lb

DID YOU KNOW?

Aloof and loyal, these noble dogs are originally from northern China (though some have argued they migrated there from Mongolia and elsewhere). In their native land, they are called Songshi Quan, which means 'puffy-lion dog'. It is thought the breed first appeared 2,000 years ago. They were mainly used for hunting and guarding sacred temples from evil entities. The East India Company brought them to England in 1781 and Queen Victoria received one as a gift in 1865. During the 1880s, more and more Chow Chows were imported in large numbers. Today, these puffy lions are the pride of many an owner's home.

GERMAN SHEPHERD DOG

INITIALLY BRED FOR HERDING, STRENGTH, INTELLIGENCE AND TEMPERAMENT.

- Personalities can vary from calm and watchful/observant to energetic.
- Enjoy participating in dog sports such as agility, tracking, flyball, and competitive obedience.
- Eager to learn and respond 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 famously 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, there're just as likely to be home dogs as they are military dogs. Either way, they'll always rank highly in our estimation.

BREED GROUPS MELLOW IS MOST LIKELY RELATED TO

We tested Mellow'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 Mellow 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.

COMPANION GROUP

This group consists of dogs typically bred for the specific purpose of human companionship, and many are popular pets because of their gentle nature. They became more common as the concept and luxury of dogs as pets prevailed.

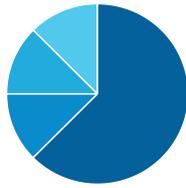
TERRIER GROUP

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.

HOUND GROUP

The most common ancestral trait of this group is being used for hunting. Some use acute powers of scent to follow a trail while others demonstrate the gift of stamina as they run down a quarry. Beyond these two common traits, however, generalizations about hounds are hard to come by as the group is comprised of a very diverse lot of breeds.

MELLOW'S FAMILY TREE



62.5% American Staffordshire Terrier
 12.5% Chow Chow
 12.5% German Shepherd Dog
 12.5% Breed Group(s)

PARENTS



American Staffordshire Terrier



American Staffordshire Terrier
 Chow Chow
 German Shepherd Dog
 Breed Group(s)

GRANDPARENTS



American Staffordshire Terrier



American Staffordshire Terrier



American Staffordshire Terrier
 Chow Chow



German Shepherd Dog
 Breed Group(s)

GREAT GRANDPARENTS



American Staffordshire Terrier



American Staffordshire Terrier



American Staffordshire Terrier



American Staffordshire Terrier



American Staffordshire Terrier



Chow Chow



German Shepherd Dog



Breed Group(s)

MELLOW'S HEALTH RESULTS

SAMPLE ID: T204702

We have tested Mellow's DNA for the following important genetic health conditions. The results can be seen below. For more detailed information on each of these diseases, please log into your account and review your comprehensive health results.

MULTIDRUG SENSITIVITY (MDR1)



CLEAR

Mellow has no copies of the MDR1 mutation and should not be affected by the disorder due to this genetic cause.

EXERCISE-INDUCED COLLAPSE (EIC)



CLEAR

Mellow has no copies of the EIC mutation and should not be affected by the disorder due to this genetic cause.

MELLOW'S TRAITS

SAMPLE ID: T204702

Tail Length
Genotype: CC

Mellow 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.)

Furnishings

Mellow 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?

Base Pigment Color
Genotype: B/bc

Mellow 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 Color Main Possibilities
Genotype: ay/ay E/E ky/ky wt/wt

Mellow probably has a coat color known as 'sable' - light overall, but with some dark-tipped patches of fur. Sable is a dominant coat color, meaning that only one copy of the gene is needed in order to show it and it's very common in mixed breed dogs.

Leg Length
Genotype: DD

Mellow'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, Mellow 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.

Coat Length and Type
Genotype: GG CC

Mellow's coat is probably on the short side. The exact length of a dog's coat is down to several factors so it can vary. Did you know some genes can even change how a short coat looks, including adding 'feathering', which results in longer hairs behind the ears, under the belly, and behind the legs?

IDEAL WEIGHT

SAMPLE ID: T204702

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

42 lbs - 70 lbs

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

CALCULATING WEIGHT

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



STATEMENT OF AUTHENTICATION

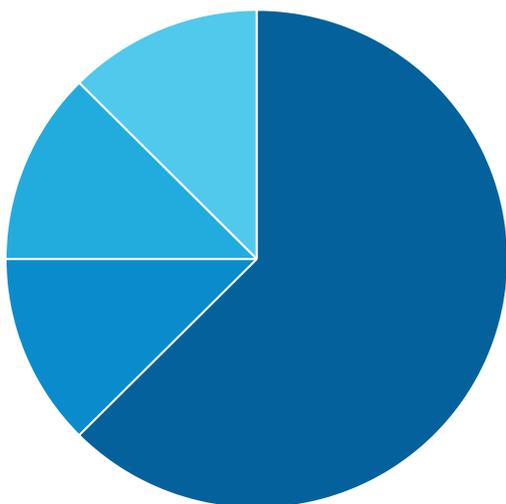
Owner's Name: **Rod Allrich**

Dog's Name: **Mellow**

Sample Id: **T204702**

Date: **May 3, 2019**

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



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- 12.5% Chow Chow
- 12.5% German Shepherd Dog
- 12.5% Breed Group(s)