

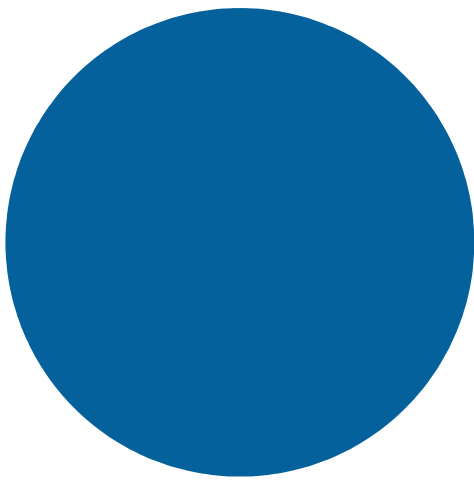
DISCOVER ALL

ABOUT SIR CHAUNCEY MCBEASTIE

The results are in! Let's take a look at what the DNA test tells us about Sir Chauncey McBeastie's ancestry...

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SIR CHAUNCEY MCBEASTIE'S BREED BY PERCENTAGE



100% Pug

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

PUG

CUTE LITTLE CHARMERS.

- Active, playful, clever, and rambunctious dogs.
- Pugs are usually good with children and often are friendly dogs.
- Stubborn tendencies may be lessened by using reward-based training involving small treats and favorite toys.
- Need regular activity, however require less exercise than other breeds. Can participate in dog sports such as agility and rally or competitive obedience.

► **Height**

12 - 16 in

► **Weight (show)**

14 - 18 lb

► **Weight (pet)**

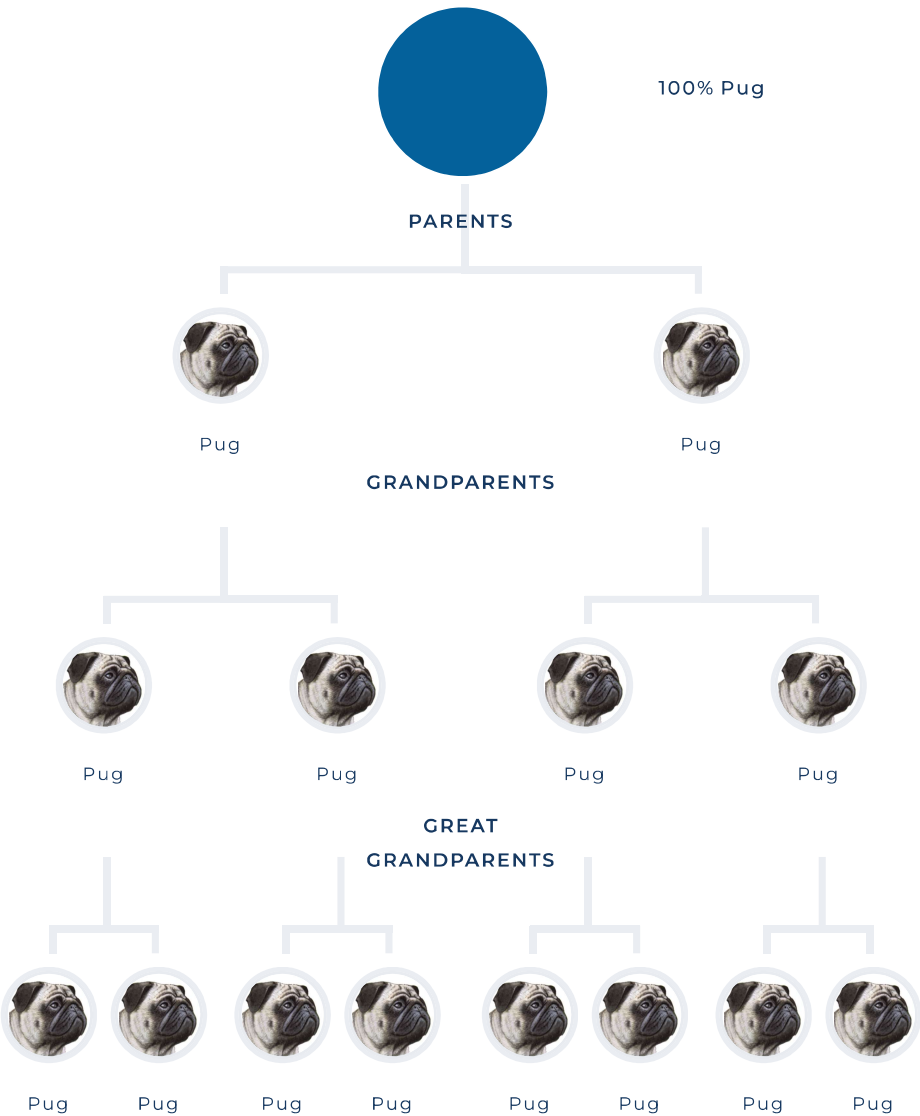
12 - 24 lb



DID YOU KNOW?

It's apt that these cute little charmers have such wrinkly faces, considering they are quite an ancient breed. Pugs date back to the Chinese Shang Dynasty, in fact, which reigned from around 1766 to around 1122 B.C. They were kept as pets by Tibetan monks before being exported to Japan. In the late 16th and early 17th centuries, Dutch East India Trading Company sailors brought Pugs back to Holland, where they became the official dog of the Dutch Royal family. Their popularity soon spread to Europe and even Queen Victoria kept and bred them. Pugs have travelled far across the globe in their time. Today, we wouldn't send these playful and affectionate dogs back home for all the tea in China.

SIR CHAUNCEY MCBEASTIE'S FAMILY TREE



SIR CHAUNCEY MCBEASTIE'S HEALTH RESULTS

SAMPLE ID: H028367

We have tested Sir Chauncey McBeastie'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 Sir Chauncey McBeastie 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 - 152

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

SIR CHAUNCEY MCBEASTIE'S TRAITS

SAMPLE ID: H028367

Furnishings	Sir Chauncey McBeastie 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 Length and Type Genotype: GG CC	Sir Chauncey McBeastie'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?
Leg Length Genotype: DD	Sir Chauncey McBeastie'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, Sir Chauncey McBeastie 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	Sir Chauncey McBeastie 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.)

SIR CHAUNCEY MCBEASTIE'S TRAITS CONTINUED

SAMPLE ID: H028367

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Base Pigment Color Genotype: B/B	Sir Chauncey McBeastie 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 m/Em ky/ky wt/wt	Sir Chauncey McBeastie probably has a coat color known as 'sable' - light overall, but with some dark-tipped patches of fur. They probably also have marking around the face that looks like a 'mask'. (It is very common for sable dogs to also carry the gene for a dark facial mask, but scientists still don't know what the link is.)
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IDEAL WEIGHT

SAMPLE ID: H028367

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

11 lbs - 19 lbs

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

CALCULATING WEIGHT

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


ADDITIONAL BREED TESTS

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

WISDOMTM PANEL



STATEMENT OF AUTHENTICATION

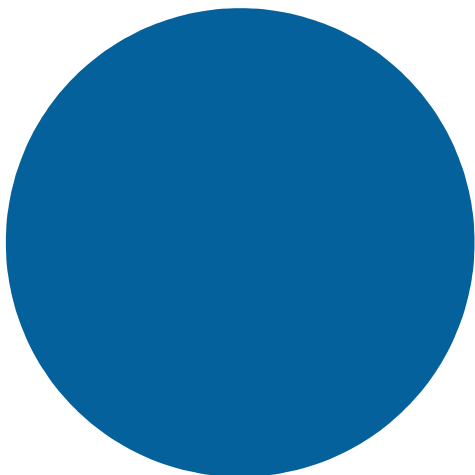
Owner's Name: **Dawn Curtis**

Dog's Name: **Sir Chauncey McBeastie**

Sample Id: **H028367**

Date: **August 11, 2019**

This certifies the authenticity of Sir Chauncey McBeastie'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 Sir Chauncey McBeastie's ancestry using the Wisdom Health proprietary breed detection algorithm.



● 100% Pug