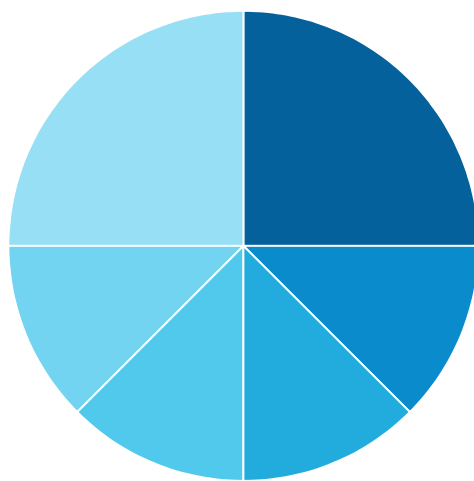


DISCOVER ALL

ABOUT SHILOH

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

SHILOH'S BREED BY PERCENTAGE



- 25% Chihuahua
- 12.5% Miniature Pinscher
- 12.5% Pug
- 12.5% American Staffordshire Terrier
- 12.5% Chow Chow
- 25% Breed Group(s)
 - Guard
 - Herding

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

CHIHUAHUA

NAMED AFTER THE CHIHUAHUA STATE IN MEXICO.

- Alert, active, and often playful dogs.
- Small size makes it easy for them to live in smaller places such as apartments.
- Responds well to reward-based training using treats or favorite toys.
- May be suspicious of strangers or bark at other dogs when intimidated by their size.

▶ **Height**
6 - 9 in

▶ **Weight (show)**
2 - 7.5 lb

▶ **Weight (pet)**
2 - 9 lb



DID YOU KNOW?

Though these quirky little dogs are named after the Chihuahua state in Mexico, they are thought to have once belonged to the ancient Mayans. Some say they are descended from the Techichi, a dog that played an important role in both the Toltec and Aztec cultures. It's thought that the breed is a result of the crossing of the Techichi and the Chinese Crested dog (which came all the way to South America from Alaska). Though the ancient civilizations were eventually destroyed, the resilient Chihuahua survived in Mexico and was introduced to the United States in 1898. Brimming with a big personality despite its small size, the Chihuahua is proof that the ancient Mayans weren't just good at numbers and astrology – they were experts at picking great companions too.

MINIATURE PINSCHER

AFFECTIONATELY REFERRED TO BY ITS FANS AS A 'MINPIN'.

- Intelligent, curious, and energetic dogs.
- As hunters, Miniature Pinschers may bark.
- Stubbornness may be reduced by using motivational tools such as treats and favorite toys in reward-based training.
- Because of its small size, may be intimidated by other dogs causing defensive barking and confrontations with other dogs.

▶ **Height**
10 - 12 in

▶ **Weight (show)**
4.5 - 9 lb

▶ **Weight (pet)**
4 - 12 lb



DID YOU KNOW?

Many people mistake these playful little dogs for miniature versions of the classic Doberman Pinscher. The truth, however, is they are a much older breed, though they do share common ancestors. It's a very understandable error, in fact, for the simple reason that the Doberman Pinscher was deliberately bred to look like the Miniature Pinscher. Originally developed to hunt rats in stables, Miniature Pinschers were very popular in Germany and Scandinavia before they were introduced to other countries in the early 1900s. They were first imported to the United States in 1919. This lovely dog is affectionately referred to by its fans as a 'Minpin' – a nickname that's as almost charming as the Miniature Pinscher itself.

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.

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.

BREED GROUPS SHILOH IS MOST LIKELY RELATED TO

We tested Shiloh'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 Shiloh 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.

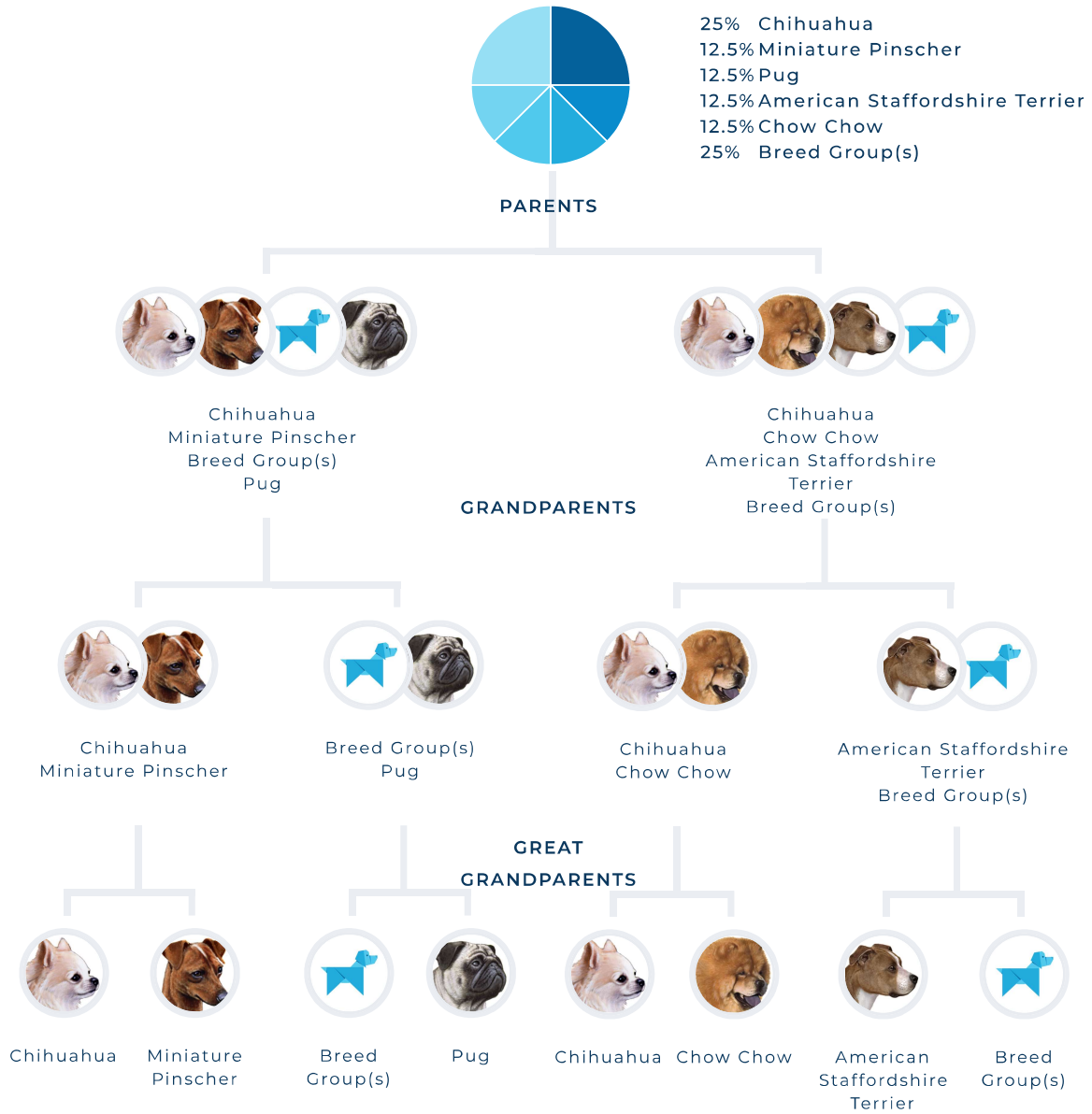
GUARD GROUP

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.

HERDING GROUP

The herding group is a diverse category. These highly intelligent breeds were developed to guard and control the movement of livestock.

SHILOH'S FAMILY TREE



SHILOH'S HEALTH RESULTS

We have tested Shiloh's DNA for the following important genetic health conditions.
The results can be seen below.

MULTIDRUG SENSITIVITY (MDR1)



CLEAR

Shiloh 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

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

SHILOH'S TRAITS

| | |
|--------------------------------------|---|
| Furnishings | Shiloh 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 | Shiloh 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 Subtypes | Shiloh carries one copy of the gene for white spotting so might have a fair bit of white in their coat. (Did you know white is not a color but a lack of pigment which acts to cover up a dog's natural base color?) |
| Coat Length and Type | Shiloh'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? |
| Coat Color Main Possibilities | Shiloh appears to be mostly dark in color (either black or brown) or has what looks like 'tiger' striping (this is called 'brindle'). Did you know black is one of the most common coat colors in mixed breed dogs, while brindle is common in many of the 'Guard' and 'Terrier' breeds, like the American Staffordshire Terrier and Chihuahua? |
| Tail Length | Shiloh 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.) |
| Ear Carriage | A lot of factors can decide the shape of a dog's ear. But as far as we can tell, Shiloh 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. |
| Leg Length | Shiloh has one copy of the gene for short limbs (known as 'chondrodysplasia') so their legs are probably moderately short in length. When people think of this trait, they think mainly of the Dachshund, Corgi, or Basset Hound. There are actually over 20 breeds that have it, including the Chihuahua. |

IDEAL WEIGHT

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

14 lbs - **27** lbs

Maintaining a healthy weight is a key factor in Shiloh having a long and healthy life.

WISDOMTM PANEL



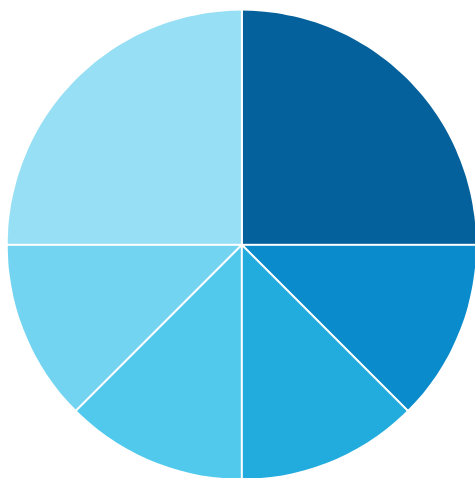
STATEMENT OF AUTHENTICATION

Owner's Name: **Rod Allrich**

Dog's Name: **Shiloh**

Date: **December 8, 2018**

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



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