DISCOVER ALL
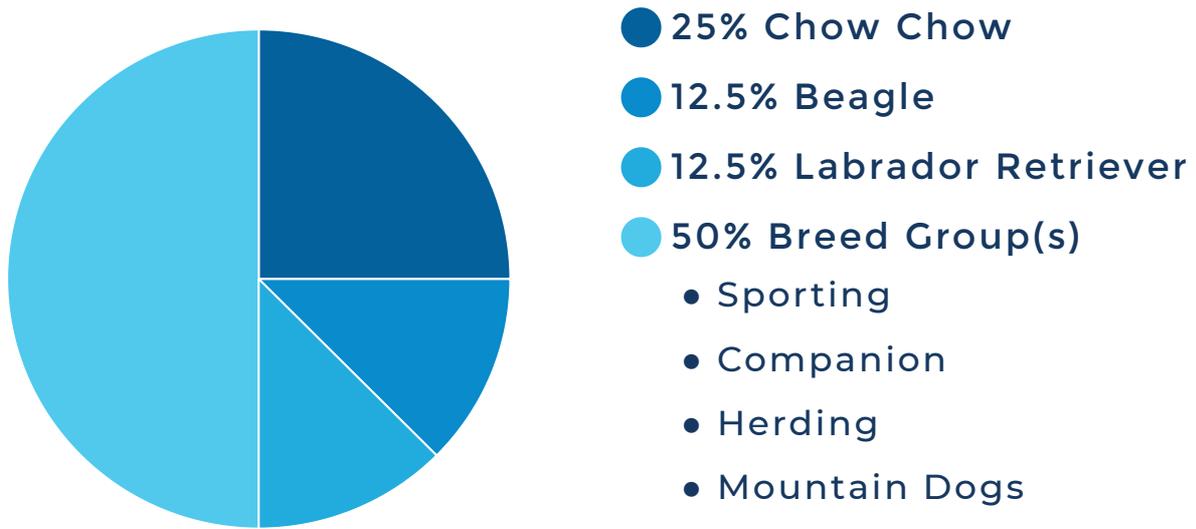
ABOUT SIRI

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

SIRI'S BREED BY PERCENTAGE

- 25% Chow Chow
- 12.5% Beagle
- 12.5% Labrador Retriever
- 50% Breed Group(s)
  - Sporting
  - Companion
  - Herding
  - Mountain Dogs

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

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.

BEAGLE

THEY WERE ONCE USED FOR HUNTING HARE, QUAIL AND PHEASANT.

- Happy or gentle nature, and usually friendly dogs; although some have high energy levels.
- Beagles seem to enjoy dog sports such as tracking, hunting, agility, rally and competitive obedience.
- Respond well to reward-based training involving treats or favorite toys.
- Chasing wildlife or barking may impair bonding.

▶ **Height**

13 - 16 in

▶ **Weight (show)**

20 - 30 lb

▶ **Weight (pet)**

17 - 37 lb

DID YOU KNOW?

These iconic dogs are a long-established breed and are descended from the Foxhound, the Harrier and the Kerry Beagle. They were once used for hunting hare, quail and pheasant, although nowadays they also make excellent family dogs. They love to follow a scent, and with over 200 million scent receptors in their nose, have understandably been used for police work. The origin of their name is still debated. Some believe it's from the Celtic word 'beag', which means 'small', while others say it's from the French word 'begle', which means 'useless' or 'of little value'. But for anyone who's had one of these happy characters in their lives, the latter seems very unlikely indeed.

LABRADOR RETRIEVER

GENTLE AND TRUSTING.

- Usually happy-go-lucky, calm, or easygoing dogs, though some may be energetic.
- Usually friendly and are generally good family dogs.
- Labrador Retrievers enjoy dog sports such as agility, hunting, tracking, rally and competitive obedience; retrieving and swimming.
- Quite food motivated, which may make it easier to teach the Labrador Retriever to drop retrieved items not intended for play.

▶ **Height**
21 - 24 in

▶ **Weight (show)**
55 - 66 lb

▶ **Weight (pet)**
49 - 77 lb

DID YOU KNOW?

Gentle and trusting, this popular breed can trace its roots to the coast of Newfoundland, Canada where, in the 17th century, they were known as the 'Lesser Newfoundland.' Labradors are thought to have descended from the now extinct 'St. John's Water Dog', and were initially trained to retrieve fishing nets from the cold waters of the North Atlantic. Tradition has it the Earl of Malmesbury first coined the name 'Labrador' in order to differentiate these dogs from their Newfoundland ancestors. It was English fishermen who originally brought the breed to England in the 19th century. There, they were much lauded for their retrieving skills. And much loved for their affectionate natures.

BREED GROUPS SIRI IS MOST LIKELY RELATED TO

We tested Siri'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 Siri 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.

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.
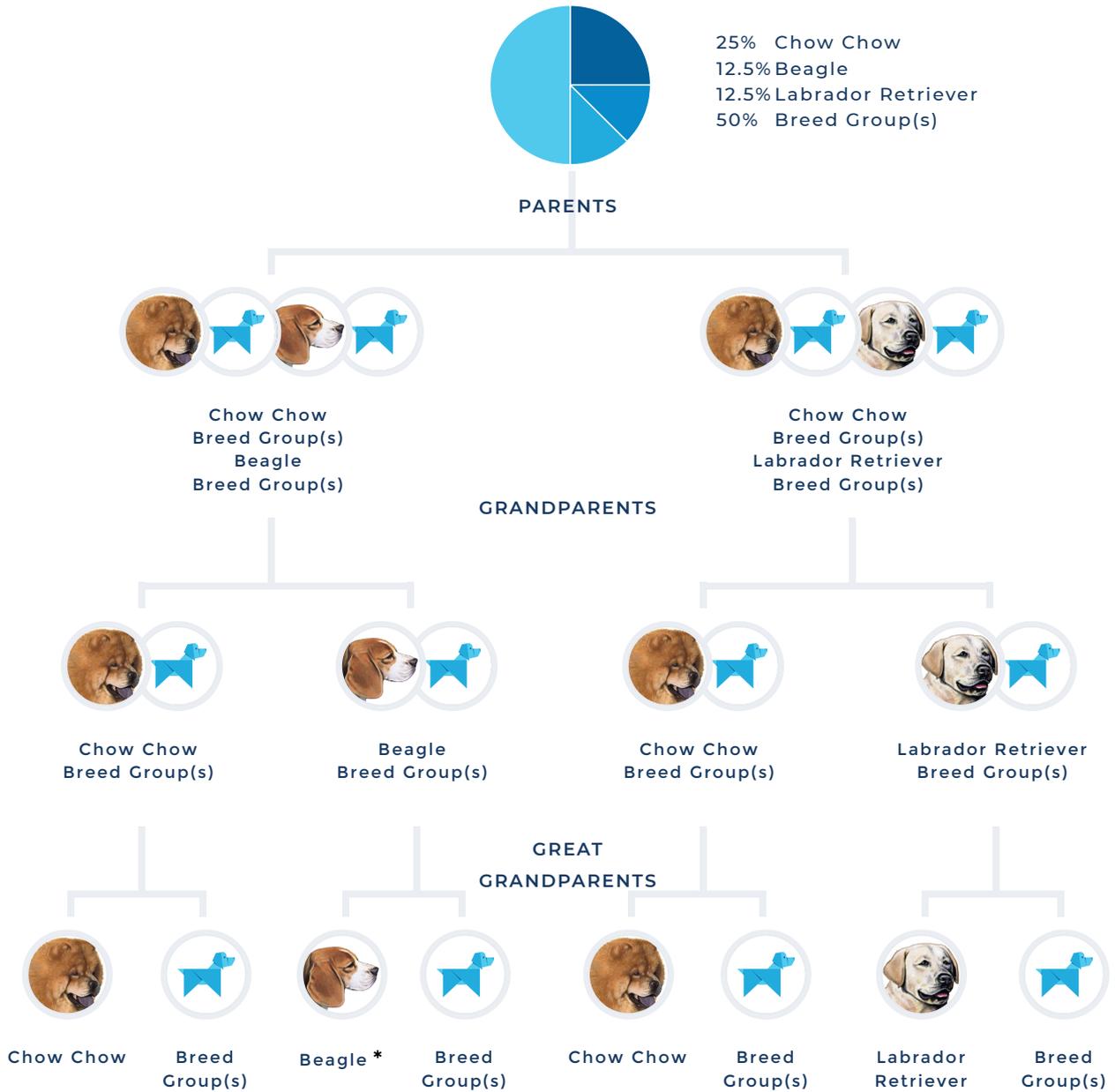
HERDING GROUP

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

MOUNTAIN DOGS GROUP

This genetic group was bred for hard work in mountainous regions. Characterized by their thick coats and sturdy, larger builds they quickly became the invaluable working companions of people in endurance activities such as drafting and hauling.

SIRI'S FAMILY TREE

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12.5% Beagle
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50%   Breed Group(s)

PARENTS

Chow Chow
Breed Group(s)
Beagle
Breed Group(s)

Chow Chow
Breed Group(s)
Labrador Retriever
Breed Group(s)

GRANDPARENTS

Chow Chow
Breed Group(s)

Beagle
Breed Group(s)

Chow Chow
Breed Group(s)

Labrador Retriever
Breed Group(s)

**GREAT
GRANDPARENTS**

Chow Chow

Breed
Group(s)

Beagle *

Breed
Group(s)

Chow Chow

Breed
Group(s)

Labrador
Retriever

Breed
Group(s)

* This particular ancestor's breed has been detected, however at a lesser contribution.
This suggests the breed is likely present further back in the ancestry.

SIRI'S HEALTH RESULTS

SAMPLE ID: T204712

We have tested Siri'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

Siri 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

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

SIRI'S TRAITS

SAMPLE ID: T204712

Furnishings

Siri 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: ay/at E/ E KB/KB,KB/kbr,kb r/kbr wt/wt

Siri 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?

Coat Length and Type
Genotype: TT CT

Siri's coat is probably on the long side and wavy. Did you know this is because they show one copy of the gene for curl? If they'd shown two, their coat would exhibit tight curls, like a poodle.

Leg Length
Genotype: DD

Siri'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, Siri 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**	Siri 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.)
Base Pigment **Color** **Genotype: B/bs**	Siri 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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IDEAL WEIGHT

SAMPLE ID: T204712

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

27 lbs - 46 lbs

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

CALCULATING WEIGHT

Our weight-predictive algorithm uses a combination of the following to calculate Siri'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 Siri having a long and healthy life.
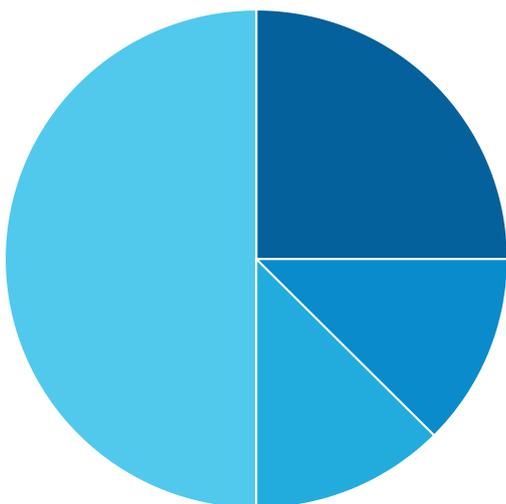
W*SDOM™ PANEL

STATEMENT OF AUTHENTICATION

Owner's Name: Rod Allrich

Dog's Name: Siri

Sample Id: T204712

Date: November 17, 2019

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

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