

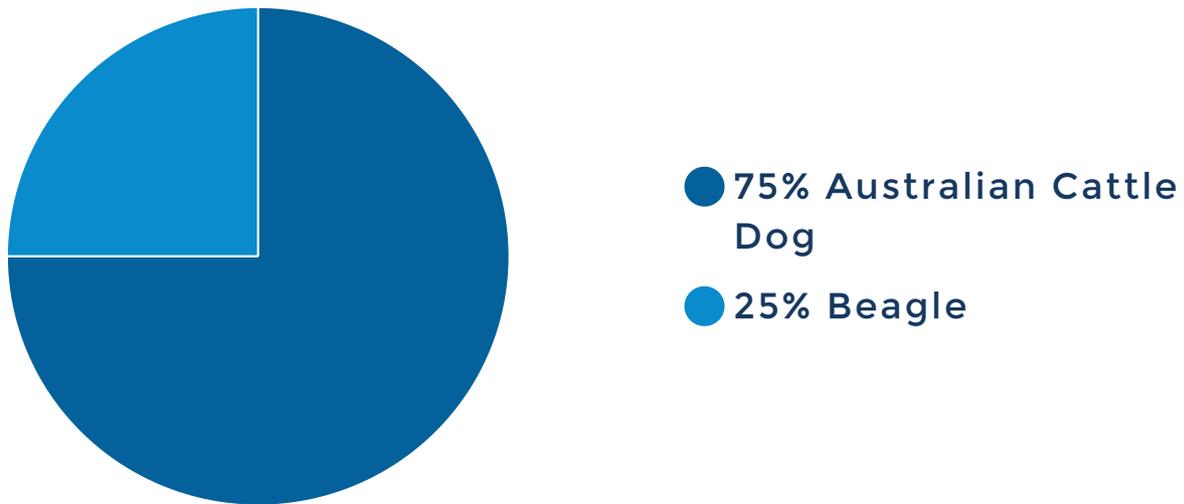


DISCOVER ALL
ABOUT MACI

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

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MACI'S BREED BY PERCENTAGE



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

AUSTRALIAN CATTLE DOG

IT'S NOT UNCOMMON TO FIND THEM CHASING CARS.

- Intelligent, active, energetic, and watchful dogs.
- Eager to learn and responds well to reward-based training, allowing them to participate in activities such as agility, flyball, and Frisbee.
- Herding tendencies may lead to chasing cars or herding children.
- May be suspicious or cautious around strangers requiring careful socialization with rewards to prevent or reduce fear-based defensive aggression.

▶ Height

17 - 20 in

▶ Weight (show)

33 - 44 lb

▶ Weight (pet)

31 - 53 lb



DID YOU KNOW?

The clever and free-spirited Australian Cattle dog is the result, quite literally, of the Old World and New World coming together. More specifically, a native Dingo and a blue-speckled, smooth-coated Collie imported all the way from Scotland. It was their offspring in the 1830s that became the breed's first direct ancestor. The aim was to produce a vigilant herding dog who could also handle Australia's harsh climate. The experiment was a success - perhaps too much so. Over 150 years later, they still have very strong herding instincts. It's not uncommon to find them chasing cars or even trying to round up children. But those same instincts also make them very protective and loyal. And very dear to us.

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)

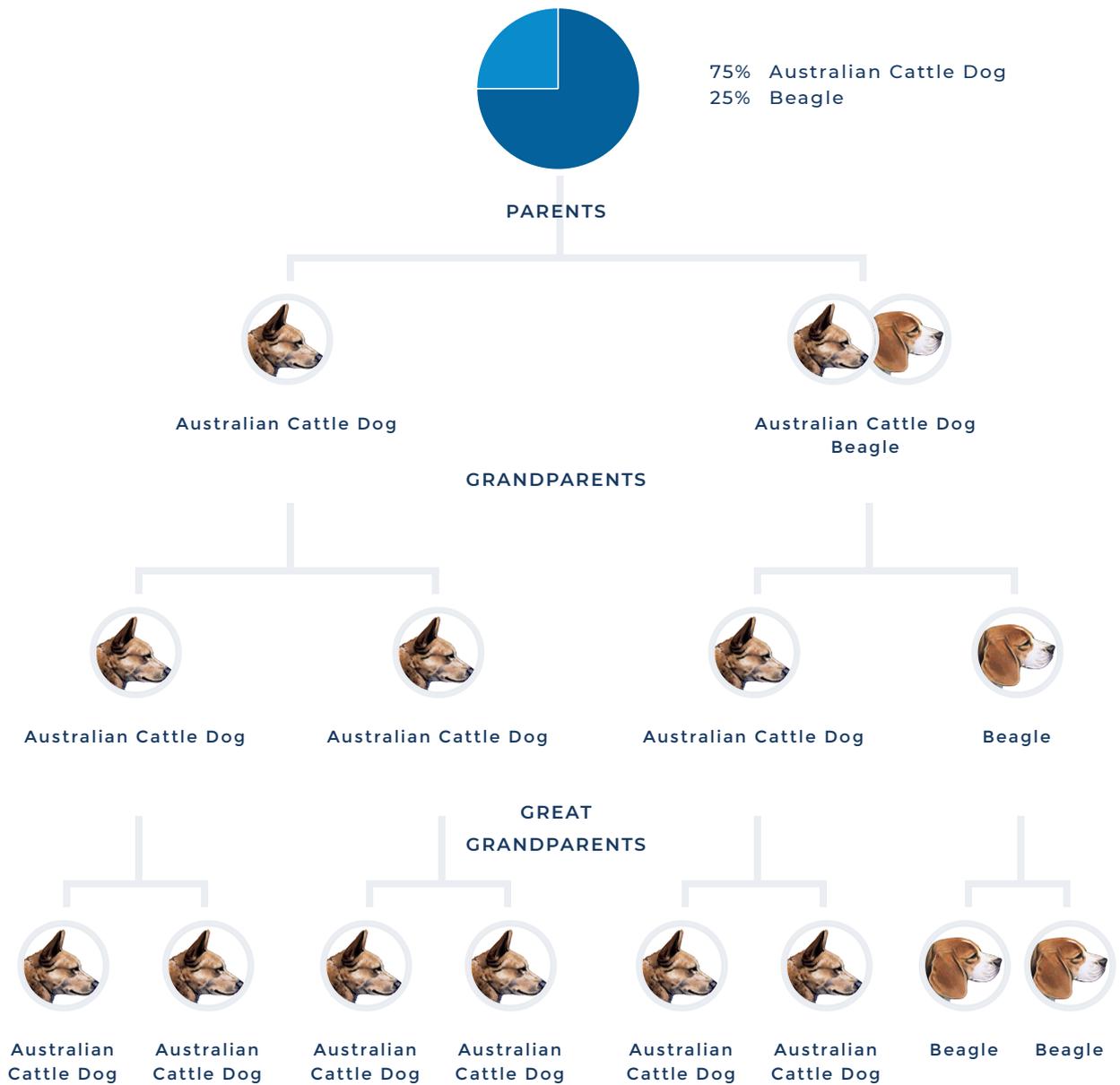
17 - 37 lb



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.

MACI'S FAMILY TREE



MACI'S HEALTH RESULTS

SAMPLE ID: T204688

We have tested Maci'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

Maci 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

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

MACI'S TRAITS

SAMPLE ID: T204688

Furnishings

Maci 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

Maci'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

Subtypes

Genotype: at/at m/
m h/h sp/sp

Maci carries two copies of the gene for white spotting as opposed to one, which means they'll probably have a significant amount of white in their coat. Did you know some breeds that people think are white (like say Dalmatians or white Boxers) actually just have two copies of the white spotting gene?

Leg Length

Genotype: DD

Maci'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?

Tail Length

Genotype: CC

Maci 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/B

Maci 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.

Ear Carriage

Genotype: CT

A lot of factors can decide the shape of a dog's ear. But as far as we can tell, Maci probably has 'base erect' ears. This means the base of the ear stands up, while the tip flops over. Did you know a dog that has one parent with floppy ears and one parent with upright ears can have this kind of ear? It's also common in breeds like the American Staffordshire Terrier and Russell Terrier.

Coat Color Main Possibilities

Genotype: at/at E
m/E ky/ky l/l

Maci appears to have tan-colored markings (above the eyes, on the cheeks, chest and lower legs). They also have the gene for a 'mask' pattern on their face - as it's for dark hair, you may not be able to see any tan coloring there. Did you know the dominant 'mask' gene can result in any size of mask, from a little dark fur on the lip to covering the entire face?

IDEAL WEIGHT

SAMPLE ID: T204688

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

26 lbs - 44 lbs

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

CALCULATING WEIGHT

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

WISDOMTM PANEL



STATEMENT OF AUTHENTICATION

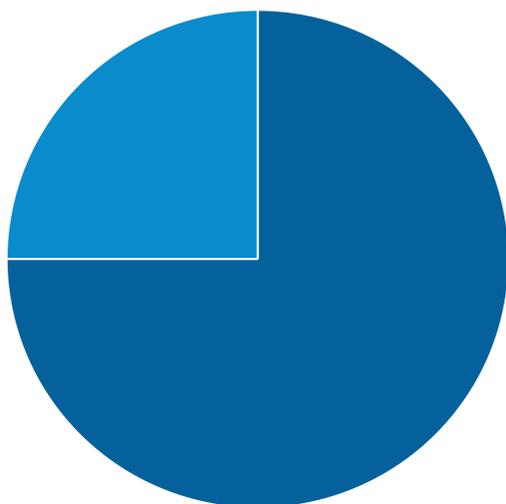
Owner's Name: Rod Allrich

Dog's Name: Maci

Sample Id: T204688

Date: October 22, 2019

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



● 75% Australian Cattle Dog

● 25% Beagle