



CANINE BREED COMPOSITION DNA ANALYSIS  
**CERTIFICATE**



**ELIZABETH**  
PETERSON

**DNA MY DOG**

Certified breed analysis  
and genetic makeup  
for Elizabeth

Lab Ref# FJL2374

LEVEL 2  
GERMAN SHEPHERD  
DOG

LEVEL 4  
AUSTRALIAN CATTLE  
DOG

LEVEL 4  
COLLIE



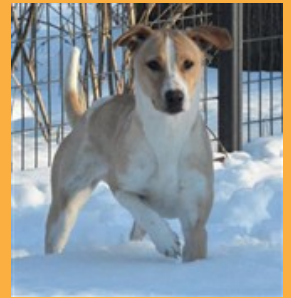
*Pat Young*  
LABORATORY DIRECTOR

July 22, 2021  
DATE OF ANALYSIS



# CANINE BREED DETERMINATION

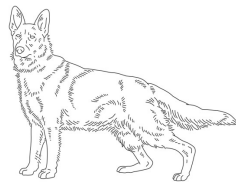
YOUR DOG'S UNIQUE DNA



## ELIZABETH

level

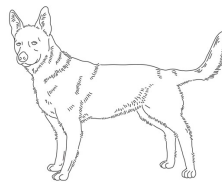
2



German Shepherd Dog

level

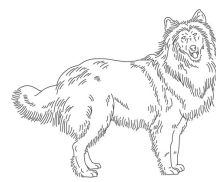
4



Australian Cattle Dog

level

4



Collie

level

2

## German Shepherd Dog

40% - 60%

The German Shepherd Dog is intelligent and eager to please. They are devoted and fearless. They have a high learning ability and are extremely responsive to training.

One of the most popular dog breeds, the German Shepherd gained its stardom during World War I when Corporal Lee Duncan brought a puppy back to Los Angeles France, trained him, and turned him into Rin Tin Tin - one of the most famous dogs in show business.

In addition to celebrity, the German Shepherd holds many other jobs including guide dog, detectors of narcotics and bombs, search and rescue dogs, and therapy dogs due to their immense intelligent and strong work ethic. The German Shepherd also excels in many dog activities including schutzhund, tracking, obedience, agility, flyball, and ring sport.

If German Shepherds become bored or frustrated, they'll take it out on your home by chewing or barking excessively. They require plenty of exercise to keep their boredom at bay. German Shepherds are extremely loyal and protective of their families, and suspicious of strangers, especially in the company of their masters.

If not properly socialized at an early age, they can be unruly due to a lack of self-confidence. Through socialization and obedience training, though, they make amazing family dogs.

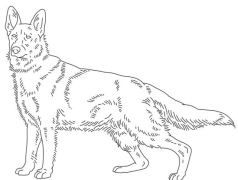
### + Major Health Concerns

The German Shepherd Dog is prone to [hip and elbow dysplasia](#). They may also suffer from [aortic Stenosis](#), an abnormal narrowing of the aortic valve, which may impede the flow of blood to the arteries. They may also have chronic eczema and flea allergies.

### - Interesting Facts

German Shepherd Dogs come in a variety of colors including white, black, liver and blue.

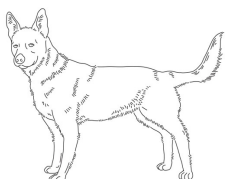
They are one of the most popular dog breeds in the world.



Average Weight:	Average Height:	Average Life Expectancy:	Breed Group:
50-90 pounds	22-26 inches	8-12 years	Herding Group

level

4



## Australian Cattle Dog

10% - 25%

The Australian Cattle Dog is a courageous, tireless, robust working dog. They are considered to be one of the most intelligent breeds and often require stimulation or they get bored. They can accept obedience training at a very high level and are normally easy to train.

Australian Cattle Dogs were originally bred to handle herds of cattle on large ranches in Australia. They are a high-energy working dog. They love to be busy and enjoy being active - they are in no way a couch potato. If their energy is ignored, they will become bored and possibly destructive.

They are extremely devoted to their family and tends to bond closely with one person. They sometimes are called "velcro" dogs as they like to be in close proximity to their favorite person all the time. Because of their herding instinct, they can be mouthy - with a tendency to nip anything that moves. Training is required, along with early socialization, to redirect their biting.

Australian Cattle Dogs also have a high prey drive and are fascinated by small animals. If they are raised with cats, though, they can easily live peacefully with them. They are normally friendly but are protective of their family and are likely to be wary of strangers. They are tough creatures and are very tolerant of pain and deeply focused, which means they'll continue to work even if they are injured. Owners have to pay attention to ensure Australian Cattle Dogs don't injure themselves.

### + Major Health Concerns

Australian Cattle Dogs are prone to [hip dysplasia](#) and [Progressive Retinal Atrophy](#). Merle coloured ACDs are prone to deafness.

### - Interesting Facts

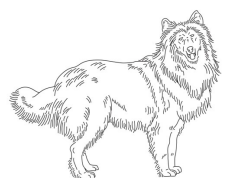
Some Australian Cattle Dog puppies are born white because of a gene they inherited from early Dalmatian crosses. You can sometimes find the adult colour by looking at their paw pads.

This dog used to be known as as an Australian Heeler.

Average Weight:	Average Height:	Average Life Expectancy:	Breed Group:
30-50 pounds	17-20 inches	12-16 years	Herding Group

level

4



## Collie

10% - 25%

Highly intelligent and easy to train, the Collie is extremely loyal, devoted and protective. They are sensitive and sweet. They have a sensitive nature and are loyal to their owners. They also have an uncanny ability to foresee when something is wrong.

Collies were bred primarily as herding dogs and their instinct to herd is still prevalent today. They are known to herd children, other pets, or anything they feel needs to be herded.

Their extreme intelligence makes them easy to train. Collies excel in dog sports like agility and herding trials and as a therapy dog. Though generally good-natured and friendly, Collies can be wary of strangers, especially if they feel they are a threat to her family's children. They will bark if they feel necessary, which makes them good watchdogs, but they are not aggressive. They will react negatively towards people they do not like, though.

As long Collies receive enough exercise, they can adapt to many different environments.

## + Major Health Concerns

Generally a healthy breed, the Collie may be prone to [PRA \(Progressive Retinal Atrophy\)](#) and eye defects. They may have hip problems that could lead to acute lameness and arthritis.

## — Interesting Facts

There are five recognized Collie colors: Sable and White; Tricolour; Blue Merle and White; Sable Merle and White; and White. Rough and Smooth collies share the same breed DNA.

Of course one of the most famous Collies was Lassie who is considered to be a good example of this breed. It is also responsible for the popularity of the Collie in the US.

Average Weight:	Average Height:	Average Life Expectancy:	Breed Group:
50-75 pounds	22-26 inches	12-14 years	Herding Group

The DNA MY DOG Canine Breed Determination Test is designed for the sole purpose of identifying breeds found in the genetic composition of dogs.

We cannot determine whether or not a dog is purebred; we can merely identify DNA that matches the validated breeds that make up our database.

Your analysis has been compiled based on the results obtained from your DNA sample submission, and has been processed with a reasonable amount of certainty. It is possible that there have been some random changes within your dog's DNA which may have affected the results. Our testing procedures and database are designed to recognize that this may happen and minimize any effect. It is understood that no analytical test is 100% accurate. DNA MY DOG is not responsible for any inferences made about any individual dog based upon the provided information.

Our test is based upon our database of recognized breeds. If your dog contains other breeds, not in our database, it may give rise to the identification of breeds earlier in your pet's history and may therefore provide a seemingly unlikely result for your dog.

It is important to understand that each dog is uniquely individual. Two dogs with the same breeds detected in their DNA may exhibit drastically different physical traits. In terms of behavior and personality, while certain traits may generally be associated with specific breeds, behavior will also be influenced by environment, training and handling.

The enclosed behavior, health and personality summary is for informational purposes only, and is based on information publicly available on purebred dogs. This information is not intended to predict disease or behavior, but is intended solely as a guide to traits often found in the breeds identified in your dog. These traits may or may not be found in your individual dog.

[What your dog's breed composition means](#)