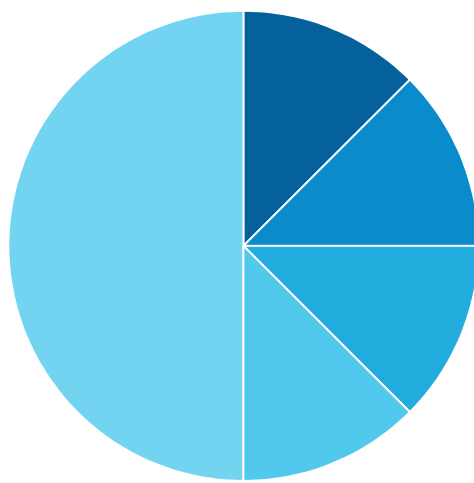


DISCOVER ALL  
**ABOUT MAWI**

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

# MAWI'S BREED BY PERCENTAGE



- 12.5% Siberian Husky
- 12.5% Weimaraner
- 12.5% Australian Shepherd
- 12.5% American Staffordshire Terrier
- 50% Breed Group(s)
  - Hound
  - Herding
  - Asian
  - Guard

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

# SIBERIAN HUSKY

## INTELLIGENT AND HARD-WORKING DOGS.

- Active, social, and usually friendly dogs; often do well with children and other dogs.
- Siberian Huskies are energetic dogs and participate in dog sports such as sledding, skijoring (pulling a skier), and carting.
- Stubborn tendencies may be lessened by using reward-based training involving small treats and favorite toys.
- May engage in digging; might chase wildlife.

### ► Height

**21 - 23 in**

### ► Weight (show)

**35 - 60 lb**

### ► Weight (pet)

**34 - 67 lb**



## DID YOU KNOW?

These intelligent and hard-working dogs have been used in a number of roles over the centuries. In no particular order, they include herding reindeer, pulling sleds and even keeping children warm. They have a long history of helping humans, in fact. Some say the breed began with the Chukchi tribe of Siberia, though various other tribes are occasionally credited with helping them evolve too. Siberian Huskies were made famous in 1925 when they delivered a diphtheria serum after a city was stricken by an epidemic. Though built for the harsher climes of Siberia, they managed to find their way to America in 1909. As one of the most popular dogs in the United States today, we're glad they made the journey.

# WEIMARANER

## LARGE AND LOYAL.

- Energetic, alert, powerful, and active dogs.
- May chase or hunt small pets (including cats) and wildlife as well as bark.
- Because of their exuberance, they should be closely supervised around children and other dogs, who may respond with aggression.
- Weimaraners enjoy dog sports such as retrieving, flyball, Frisbee, hunt and field trials, agility, tracking, and both rally and competitive obedience.

### ► Height

**22 - 27 in**

### ► Weight (show)

**55 - 88 lb**

### ► Weight (pet)

**54 - 97 lb**



## DID YOU KNOW?

Large and loyal, these fantastic dogs were developed by German nobles of the Court of Weimar. Though Weimaraners are believed to have existed as far back as the 17th century, the breed standard was not developed until the 1800s. Powerful and fast, they were largely used for the hunting of large predators, like wolves, cougars and bears. When the breed was first developed, the idea was to create a hunting dog that only those people with high status could enjoy. It wasn't until the 1950s that the German government finally allowed a pair of Weimaraners to be brought to America. Just as well. Some things are just too good not to share.

# AUSTRALIAN SHEPHERD

## A DOG THAT LOVES TO HERD ANYTHING.

- Very intelligent, obedient, active, energetic, and watchful dogs.
- Australian Shepherds seem to enjoy dog sports such as herding, agility, tracking, flyball, Frisbee, rally and competitive obedience.
- Eager to learn and respond well to reward-based training.
- Herding tendencies may lead to chasing cars, herding children, or barking.

### ► Height

**18 - 23 in**

### ► Weight (show)

**40 - 60 lb**

### ► Weight (pet)

**38 - 66 lb**



## DID YOU KNOW?

With a name like the 'Australian Shepherd', it's not surprising that many people don't know that these alert dogs began life in the United States. In the 1800s, Basque Shepherds that were living in Australia were brought over to help breed a new kind of herding dog. The 'Aussie' (as they're sometimes affectionately called) grew significantly in both population and popularity after World War II. In recent decades, they've become known for their work at rodeos and horse shows. For a dog that loves to herd anything (be it cars, children or other pets), the Australian Shepherd is also known for being a follower –they'll follow you absolutely anywhere. It's what makes them such loving and loyal pets.

# 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.

# BREED GROUPS MAWI IS MOST LIKELY RELATED TO

We tested Mawi'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 Mawi 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.

## HOUND GROUP

The most common ancestral trait of this group is being used for hunting. Some use acute powers of scent to follow a trail while others demonstrate the gift of stamina as they run down a quarry. Beyond these two common traits, however, generalizations about hounds are hard to come by as the group is comprised of a very diverse lot of breeds.

## HERDING GROUP

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

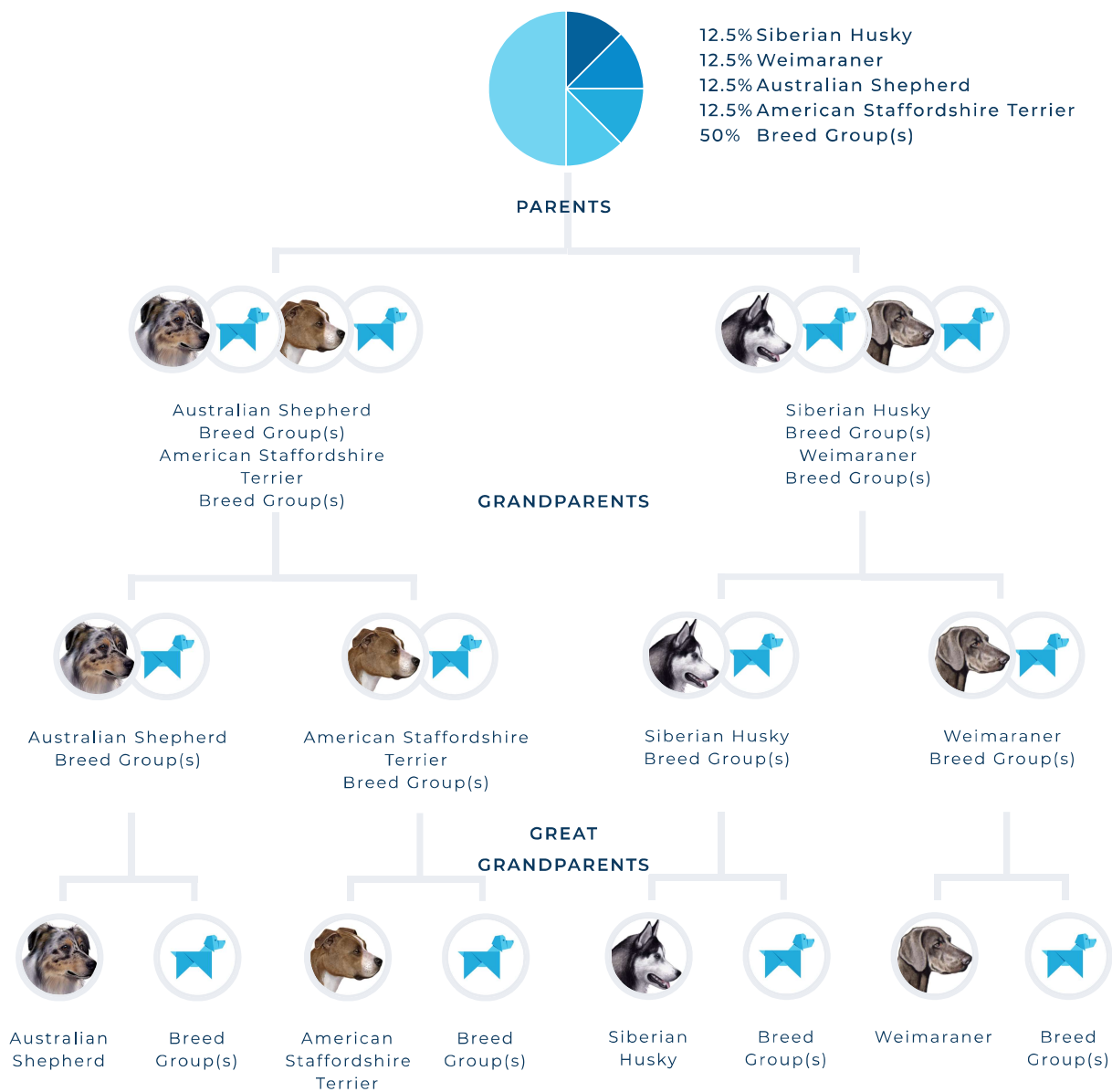
## ASIAN GROUP

The Asian Group is comprised mainly of breeds from the Asian and Arctic regions of the world. Often bred for guarding or working they have been invaluable assets to man throughout the ages.

## 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.

# MAWI'S FAMILY TREE





# MAWI'S HEALTH RESULTS

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

## MULTIDRUG SENSITIVITY (MDR1)



**CLEAR**

Mawi 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**

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

# MAWI'S TRAITS

<b>Ear Carriage</b>	A lot of factors can decide the shape of a dog's ear. But as far as we can tell, Mawi 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.
<b>Furnishings</b>	Mawi 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?
<b>Base Pigment Color</b>	Mawi 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.
<b>Coat Length and Type</b>	Mawi'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?
<b>Coat Color Main Possibilities</b>	Mawi appears to be mostly dark in color (either black or brown) or dark with 'tiger' striping (called 'brindle'). 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 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?
<b>Tail Length</b>	Mawi 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.)
<b>Leg Length</b>	Mawi'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?

## IDEAL WEIGHT

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

**38** lbs - **63** lbs

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

# WISDOM<sup>™</sup> PANEL



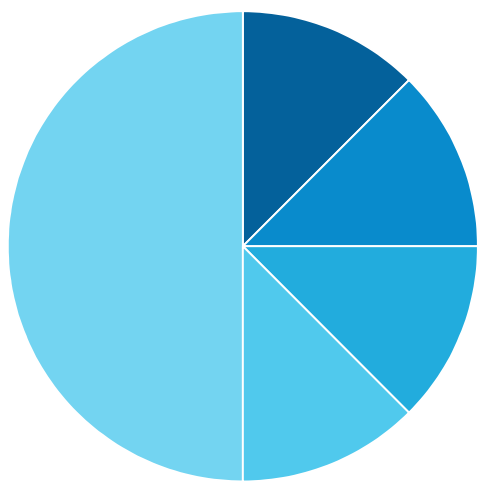
## STATEMENT OF AUTHENTICATION

Owner's Name: **Rod Allrich**

Dog's Name: **Mawi**

Date: **December 20, 2018**

This certifies the authenticity of Mawi's canine genetic background as determined, following the careful analysis of more than 1800 genetic markers, by the WISDOM PANEL<sup>™</sup> Canine DNA Test. The purebred breed signature matches included in the analysis are those that were detected in the last three generations of Mawi's ancestry using the Wisdom Health proprietary breed detection algorithm.



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