CANINE BREED COMPOSITION DNA ANALYSIS

Congratulations on obtaining your Canine Breed Composition DNA Analysis

Thank you for choosing Viaguard Accu-Metrics

In the following pages you will find:

- Your dog's Canine Breed Composition DNA Analysis Certificate
- Key breeds detected
- Key breed characteristics, health and behaviour
- MDR1 and EIC Screening

CANINE BREED COMPOSITION DNA ANALYSIS CERTIFICATE

"Semper Fidelis"

Dog's Name

Titan

Family Name

Casey Calhoon

Date Analyzed

2018/06/15

ID Number

1369943

Night King's Blue Fire Savage from Oregon's Inka

Level 1

Alaskan Malamute

Level 2

Not Present

Level 3

Not Present

Level 4

Not Present

Level 5

Not Present

Harvey Tenenbaum

Laboratory Director

Official Analysis

Ancestry Tree

Titan

Alaskan Malamute (×16)

What your dogs breed composition means

Level 1

This category is intended to help owners recognize when their pet's DNA contains a majority of a specific breed (75% or greater). If your dog has a strong match to one of our validated breeds, then it is categorized as Level 1. Most mixed breed dogs will not usually have a breed in this category unless one or both of their parents are purebred.

Level 2

This category reports breeds that are easily recognizable within your dog. While these breeds may have a strong influence on your pet, each breed listed makes up less than the majority of your dog's DNA, between 37%-74%. This usually means one of the parents was a purebred.

Level 3

This category identifies breeds that have between 20%-36% of the listed breed(s), usually coming from a grandparent.

Level 4

Represents 10%-20% of the breed DNA, usually coming from a great grandparent

Level 5

This level represents the lowest level of breed in your dog occurring at 5% or less. However, they still appear at a low and measurable amount in your dog's DNA.

Please be aware that this breed identification test is designed for the sole purpose of identifying breeds found in the genetic composition of mixed breed dogs. The test can only identify breeds, from those present in our database. It cannot be used to exclude the chance of any other breed being present at some point in the lineage.

VIA-PETGUARD™

Canine Breed Determination

Importance of breed results: Acquiring genetic breed heritage knowledge will help educate you about your dog and his or her special health and behaviour traits. You can now be proactive about many of the important factors affecting your dog?s life. You possess insight into your dog?s unique genetic background, including the history of its breed, personality traits, exercise levels, and much more! You have information on any diseases to which your dog may be predisposed. Please make sure to discuss any health issues with your vet and be proactive before any serious illness strikes.

Your Dog's Dominant Characteristics

Level 1:

Alaskan Malamute

Description: The Alaskan Malamute was originally bred for use as a utilitarian dog, and then later a sled dog.Independence, resourcefulness, and natural behaviors are common in the breed. Malamutes are quite fond of people, a trait that makes them particularly sought-after family dogs but unreliable watchdogs.Alaskan Malamutes are members of the Spitz group of dogs.

Health: The Alaskan Malamute is prone to bloat, hip dysplasia and chondrodysplacis (dwarfism). They are also prone to ZInc Responsive Dermatitis. Interesting Fact: In 2010 they were named the official breed of Alaska.

Level 2:

Not Present

Level 3:

VIA-PETGUARD™

Not Present

Level 4:

Not Present

Level 5:

Not Present

VIA-PET uses a computer algorithm that performs 30 million calculations to predict the most likely pedigree. The combination of breeds for the last 30 generations are displayed depicting the best statistical results are.

Your Dog's Unique Genetic Sequence

GCTTCCTTGCTCCCGACCAAGGCGGCCTGGAGAGAGGAAGCGCGAATCTGCTCGGGGTTGCATTGTGGAT
GCCAATCTCAGTGTTCTCAATTTGGTTATTGTGAAAAAATGGGAGAAGGATACTCCTGGACTCACTGATA
CTACTGTGCCTCGTCGCCTGGGGCCCAAAAGAGCCAGCAGAATCCCAAAGCTTTCTAATCTGTCAAAAGA
AGACGATGCCCACCAGTATGCTGCTGGAAAGCCCCTAAACAAAGAAGGTAAGAAACCTAGAACCAAAGCA
CCCAAGATTCAGCGTCTTGTTACTCCACGTGTCCTCCAACACAAACGTCGGCGTATTGCTTTGAAGAAAC
AGCGTACTAAGAAAAATAAGGAAGAGGCTGCAGAATATGCTAAACTTTTGGCCAAGAGAATGAAGGAGGC

MDR1 and EIC Screening Results

Condition Tested	Gene	Test Results
Multi – Drug Resistance	MDR1	Negative
Exercise Induce Collapse	EIC	Negative

VIA-PETGUARD™