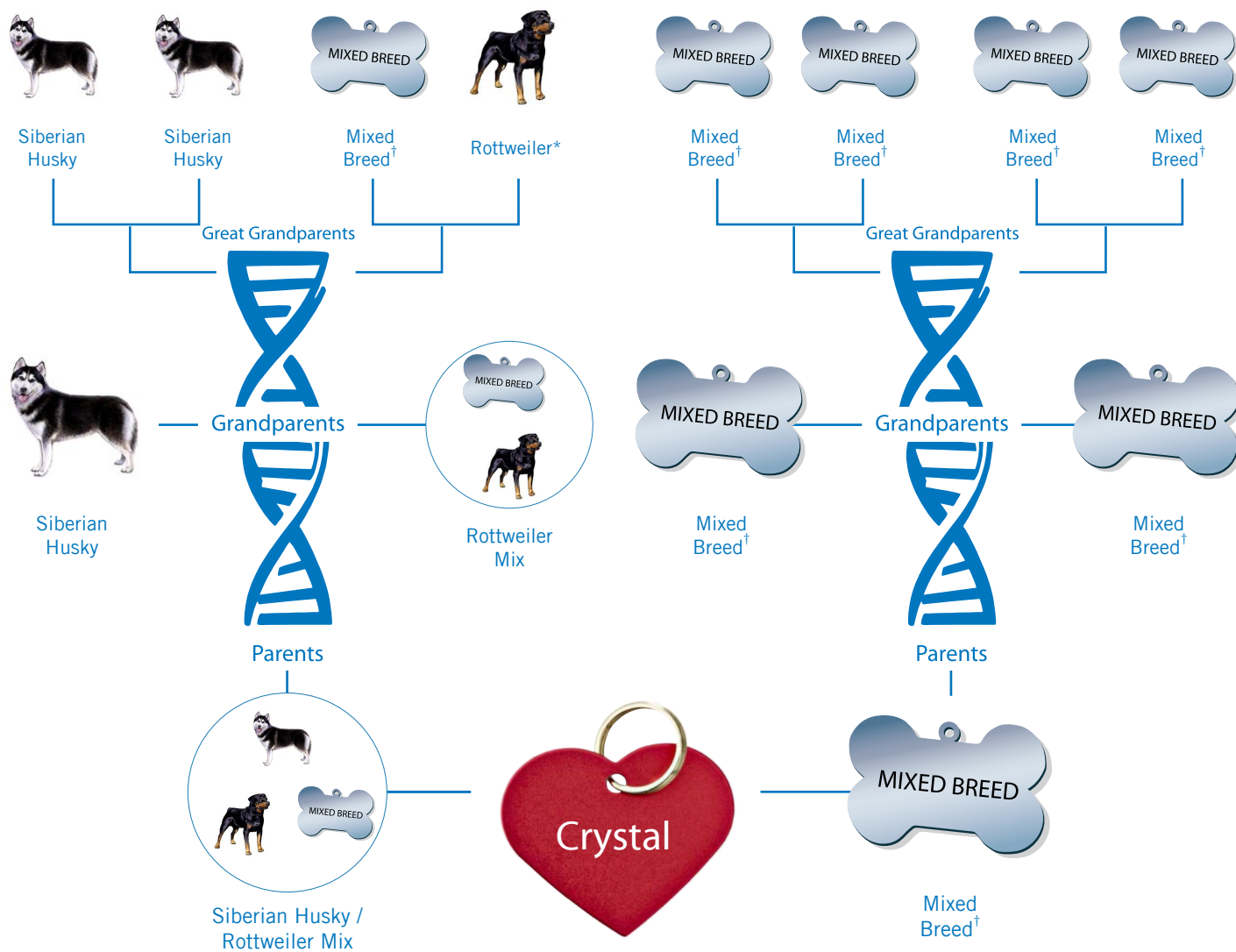


WHAT BREEDS MAKE UP CRYSTAL?

The **Wisdom Panel® Insights™** computer algorithm performed over seven million calculations using 11 different models (from a single breed to complex combinations of breeds) to predict the most likely combination of pure and mixed breed dogs in the last 3 ancestral generations that best fit the DNA marker pattern observed in Crystal. The ancestry chart depicting the best statistical result of this analysis is shown in the picture below.



Siberian Husky / Rottweiler Mix crossed with Mixed Breed

MIXED BREED

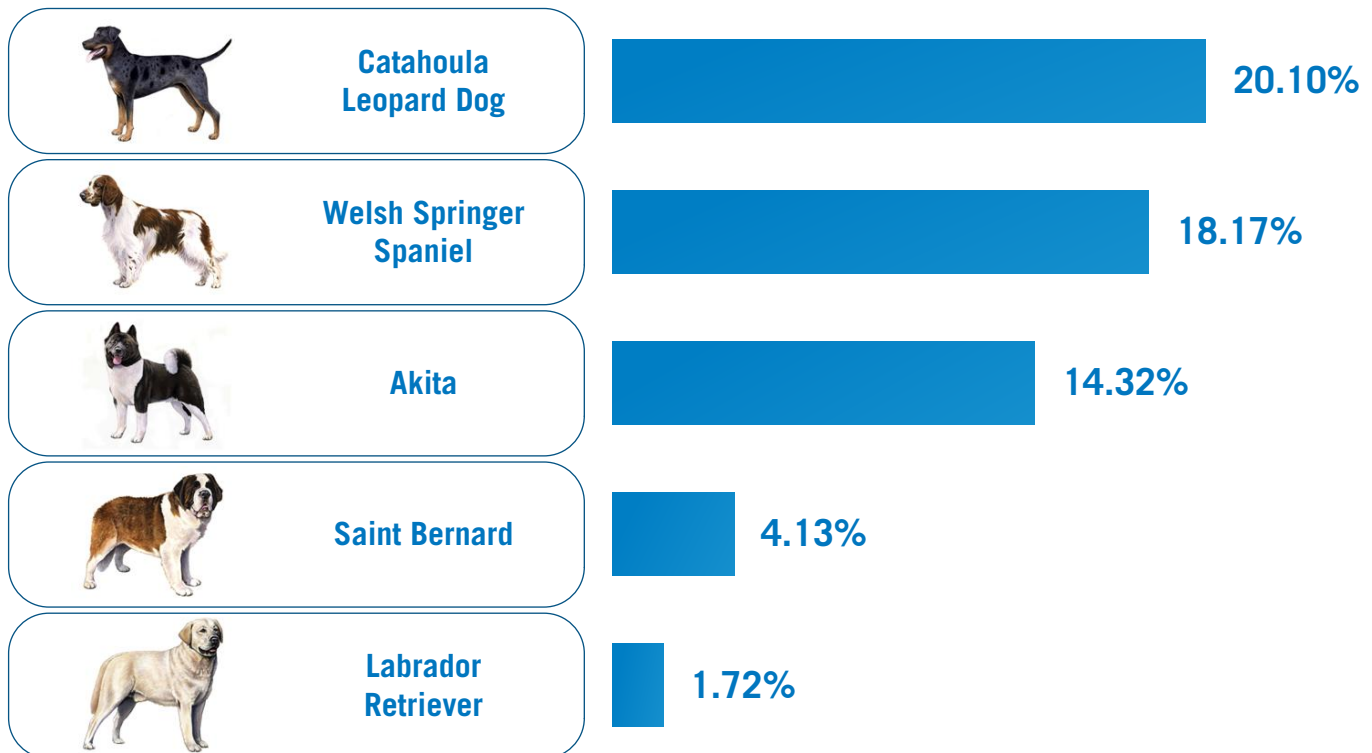
† Curious about the Mixed breed ancestry? Take a look at the next page!

*Breed detected, however at a lower confidence. Such results are not included in accuracy calculations.



WHAT DOES THE MIXED BREED ANCESTOR MEAN FOR MY DOG?

We have identified for you the 5 next best breed matches which appeared in the analysis of your dog's DNA. One or more of these breeds could have contributed to the genetic makeup of the ancestors indicated by the mixed breed icon. The breeds are listed by the relative strength of each result in our analysis with the most likely at the top of the list. There could also be a breed or breeds present in the mixed breed component that we cannot detect with our current database of purebred dogs.



HOW WISDOM PANEL INSIGHTS WORKS

The process started when you sent a sample to our laboratory, where the DNA was extracted from the cells and examined for the 321 markers that are used in the test. The results for these markers were sent to a computer, that evaluated them using a program designed to consider all of the pedigree trees that are possible in the last three generations. The trees considered include a simple pedigree with a single breed (a likely pure-bred dog), two different breeds at the parental level (a first-generation cross), all the way up to a complex tree with eight different great-grandparent breeds allowed.

Our computer used information from over 185 breeds from our breed database to fill these potential pedigrees. For each of the millions of combinations of ancestry trees built and considered, the computer gave each a score representing how well that selected combination of breeds matched to your dog's data. The pedigree with the overall best score is the one which is shown on the ancestry chart. Only breeds that reached our set confidence threshold for reporting are reported in the ancestry chart.

SIBERIAN HUSKY



HEIGHT:

21 - 23 in

WEIGHT (SHOW):

35 - 60 lb

WEIGHT (PET):

34 - 67 lb



EARS



MUZZLE

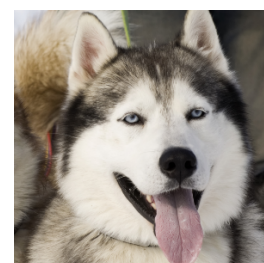
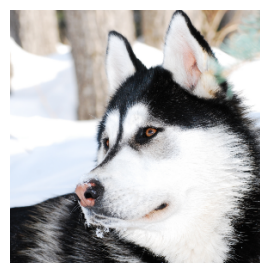
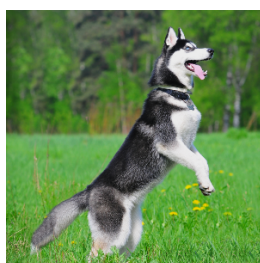
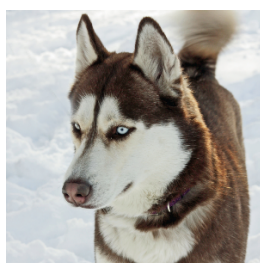


TAIL



The Siberian Husky is an ancient breed that has a long history of helping mankind. The breed is believed to have started with the Chukchi tribe of Siberia, though various other tribes are occasionally credited with its development. The Siberian Husky has been used for a number of purposes throughout history, including herding of reindeer, pulling sleds and keeping children warm. This breed was made famous in 1925 when they were used to deliver diphtheria serum after a city was stricken by an epidemic. They were also used for transporting various other medications to the ill. The Siberian Husky found its way to America in 1909 and since that time the popularity of the breed has grown significantly. The Siberian Husky was not recognized by the American Kennel Club until 1930. Ironically, that is the same year in which the exportation of this breed was stopped by the Soviet government, who closed the borders of Siberia to external trade.

The Siberian Husky breed standard permits any color, though the dog can be black, silver, or a variety of tans. These are generally shaded and mixed with white markings leading to varied wolfish markings on the head and muzzle. Blue or amber eyes are possible.



DO YOU RECOGNIZE ANY OF THESE SIBERIAN HUSKY TRAITS IN CRYSTAL?

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

ROTTWEILER



HEIGHT:

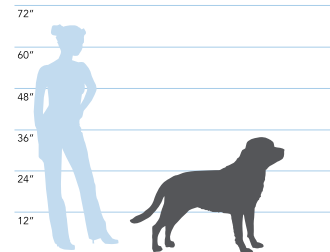
23 - 27 in

WEIGHT (SHOW):

84 - 120 lb

WEIGHT (PET):

72 - 132 lb



EARS



MUZZLE

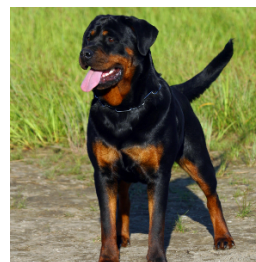


TAIL



Rottweilers are an ancient breed, dating all the way back to the early Roman Empire. Roman troops were accompanied on their travels by the Roman cattle dogs, which helped herd the cattle that would later serve as food for the soldiers. The travels of the Roman armies took them through Europe and Germany, and specifically the town of Rottweil. This eventually became a cattle area and the descendants of the Roman cattle dogs were used to protect the herds. Rottweilers made excellent working dogs and were used to pull carts as well as herd and protect. They were also known for their ability to hunt boar. By the end of the nineteenth century, the breed was virtually extinct to the point of there being only one female left in the entire town of Rottweil. Before World War I police dogs were needed, and the Rottweiler was chosen for the task due to their strength, intelligence and ability to follow directions. The first Rottweiler club was founded in Germany in 1907 and Rottweilers were saved from extinction. The breed was recognized by the American Kennel Club in 1931.

The Rottweiler has medium length hair which lies flat across the body. The coat is always black accompanied with varying shades of tan, from a bright rust to a dark mahogany. There is always a spot above both eyes and the sides of the muzzle and the legs may also be marked.



DO YOU RECOGNIZE ANY OF THESE ROTTWEILER TRAITS IN CRYSTAL?

- ☐ Calm, intelligent, and hard working dogs.
- ☐ Rottweilers enjoy dog sports such as agility, tracking, herding, and obedience.
- ☐ Because they are sensitive, they respond best to reward-based training using treats or favorite toys.
- ☐ May be reserved or aloof around strangers. There have been reported incidents of Rottweilers being aggressive with other pets or people.

THANK YOU FOR CHOOSING WISDOM PANEL INSIGHTS TO LEARN ABOUT YOUR DOG'S FAMILY ANCESTRY

Congratulations on taking the steps to learn about your dog's ancestry and to understand what breeds are in your mixed breed dog using Wisdom Panel Insights! Knowing your dog's breeds is more than a novelty - it is a medical necessity. Each breed in your pooch's genetic paw print has unique health concerns you should know about so that you can provide a lifetime of excellent care.

Visit www.Genesi4Pets.com to find out more about your dog's health-care needs: you'll feel better knowing that you're doing everything you can to keep your pal happy and healthy. In addition to loads of free, easy-to-understand information based on the latest medical research, you will receive a 50% discount on all downloadable health-care booklets that explain the common health concerns for individual breeds. Simply enter promotional code **WISDOM** when you check out to receive your discount (expires 30 days after you receive your Wisdom Panel report).

We recommend discussing your dog's ancestry report with your veterinarian, as he or she can help you use your Wisdom Panel Insights report to help better care for Crystal. The next time you visit your veterinarian, consider asking these questions in addition to any you come up with on your own:

- Are there any specific issues that may be relevant to my dog's well-being?
- Are there any special techniques that may help in training a dog with this particular mix?
- Are there any particular dietary considerations to bear in mind for a dog like mine?

BECAUSE YOU LOVE YOUR DOG - SHARE HIS STORY!

Join our online community of mixed-breed dog owners and share your dog's Wisdom Panel Insights report with the world. On our website you can:

- Register your dog and upload photos into our Wisdom Panel photo gallery
- Get help to show off your dog's breed profile on your blog, Dogster page, Facebook and MySpace profiles

Visit wisdompanel.com and use the details below to create your dog's profile:

Owner Name: William T. Sharpe

Test Report Code: 3000301161

MORE INSIGHT

Learning more about the history of the breeds detected in Crystal can help you and your veterinarian better train, feed and care for your dog. Visit our online Breed Library at wisdompanel.com.

Accessing your test status checker online also lets you view Mixed-Breed Genesis health reports provided by VetThink™ which are designed to assist you to take the best possible care of your dog throughout its life.



TERMS AND CONDITIONS:

Each dog is unique and their physical and behavioral traits will be the result of multiple factors, including genetics, training, handling, and environment. Wisdom Panel™ Insights proprietary genetic analysis provides insight into the behavioral traits in breeds that have been identified in your dog. Wisdom Panel Insights is designed and intended to be used solely to identify the genetic makeup of a mixed-breed dog and no other purpose is intended, authorized, or permitted.

Upon receipt of your sample, Mars Veterinary will analyze your dog's DNA to determine the breeds present in your dog's ancestry with a reasonable degree of certainty. Mars Veterinary's testing procedures are designed to provide reliable and accurate results.

Wisdom Panel Insights is intended for use on mixed-breed dogs. The test was designed specifically to look for multiple breeds in a dog's ancestry and was not designed to validate the purity of a purebred dog. Mars Veterinary is not responsible for any errors in obtaining the swab sample or for any injuries or loss that may occur as a result.

In the unlikely event that it is not possible to determine breed history or that an error in the analysis occurs, liability by Mars Veterinary or related companies and individuals is disclaimed and damages in any event are limited to the payment actually received by Mars Veterinary for the specified analysis at issue.

Wisdom Panel Insights is based upon the Mars Veterinary database of validated breeds. If your dog contains other breeds, it may result in the identification of breeds, or a combination of breeds in the database, related to the breeds in your pet's history.

Many cities and communities have breed-specific ordinances and laws that may require special handling or prohibit the ownership of some dogs with a particular breed in their genetic background. Neither Mars Veterinary nor any related company is responsible for compliance or notification regarding these matters. You may want to check with your local authorities to determine if your dog's genetic profile requires compliance with any laws, regulations, or ordinances in your area.





STATEMENT OF AUTHENTICATION

Owner's name: **William T. Sharpe**

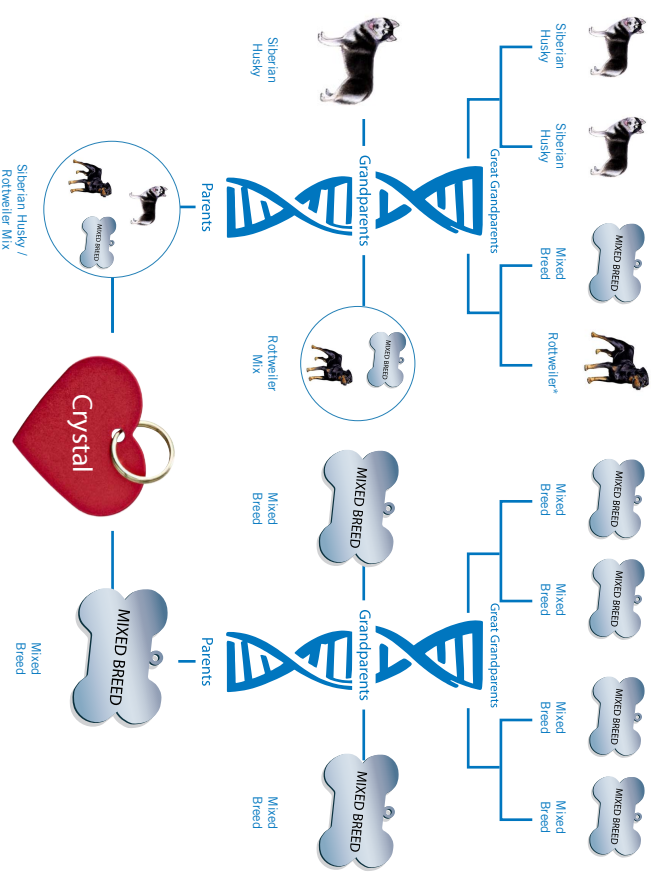
Dog's name: **Crystal**

Date: **January 17, 2012**

This certifies the authenticity of Crystal's canine genetic background as determined following careful analysis of more than 300 genetic markers using *Wisdom Panel[®] Insights[™]*. The purebred dog breed signature matches included in this analysis are those that were detected in the last three generations of Crystal's ancestry using the proprietary breed detection algorithm at Mars Veterinary.

DR. NEALE FRETWELL

Research & Development Director



Siberian Husky / Rottweiler Mix crossed with Mixed Breed