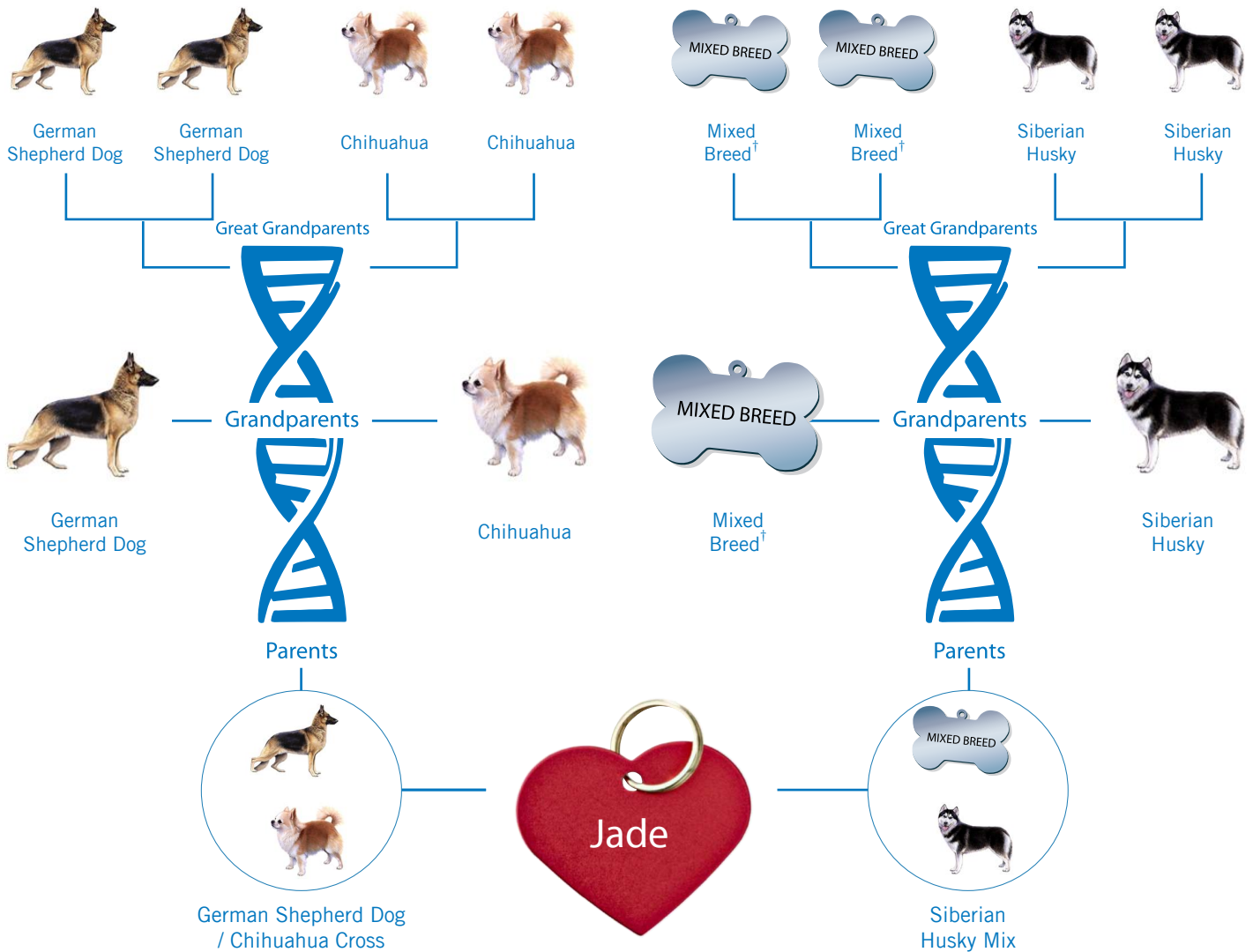# Wisdom Panel® Insights™

WHAT BREEDS MAKE UP JADE?

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 Jade. The ancestry chart depicting the best statistical result of this analysis is shown in the picture below.

German Shepherd Dog | German Shepherd Dog | Chihuahua | Chihuahua | Mixed Breed[†] | Mixed Breed[†] | Siberian Husky | Siberian Husky

Great Grandparents

Great Grandparents

German Shepherd Dog | Grandparents | Chihuahua | Mixed Breed[†] | Grandparents | Siberian Husky

Parents

Parents

German Shepherd Dog / Chihuahua Cross

Jade

Siberian Husky Mix

German Shepherd Dog / Chihuahua Cross crossed with Siberian Husky Mix
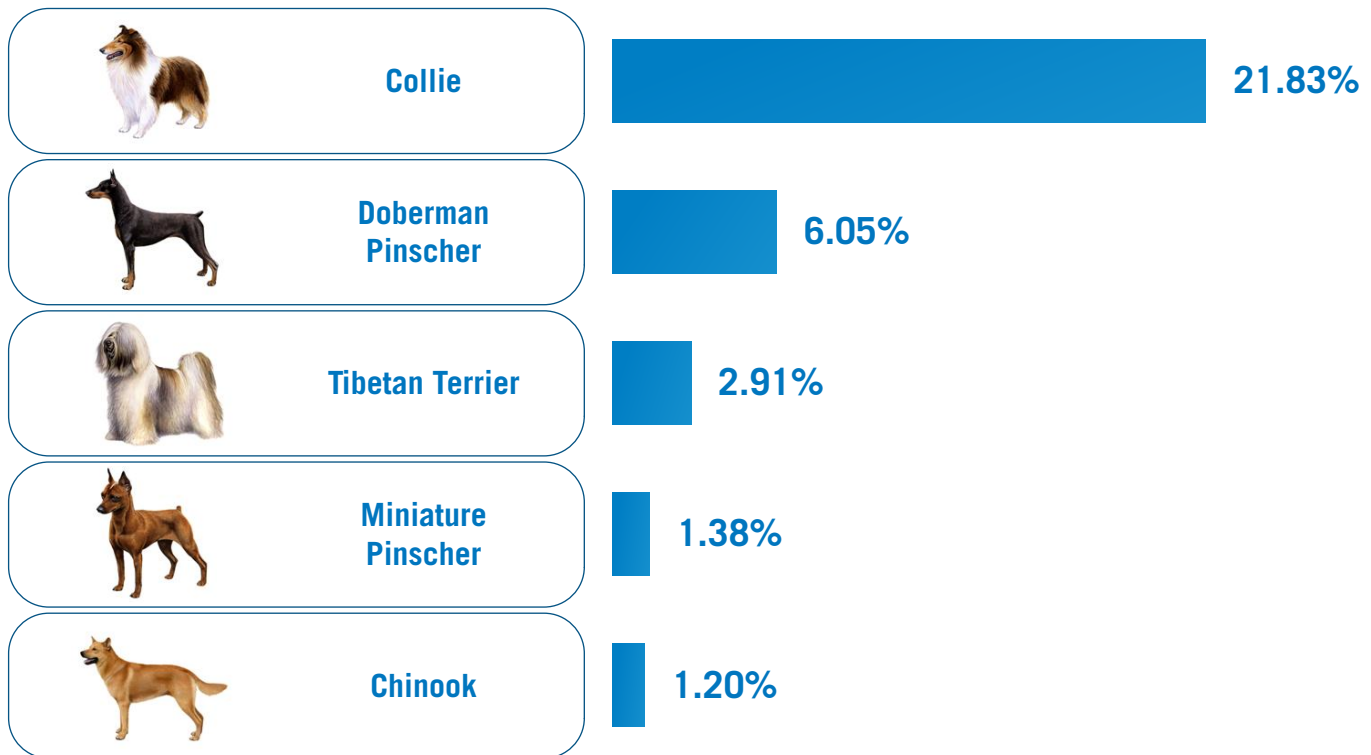
MIXED BREED [†] Curious about the Mixed breed ancestry? Take a look at the next page!

MIXED BREED

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.

Breed	Percentage
Collie	21.83%
Doberman Pinscher	6.05%
Tibetan Terrier	2.91%
Miniature Pinscher	1.38%
Chinook	1.20%

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.