



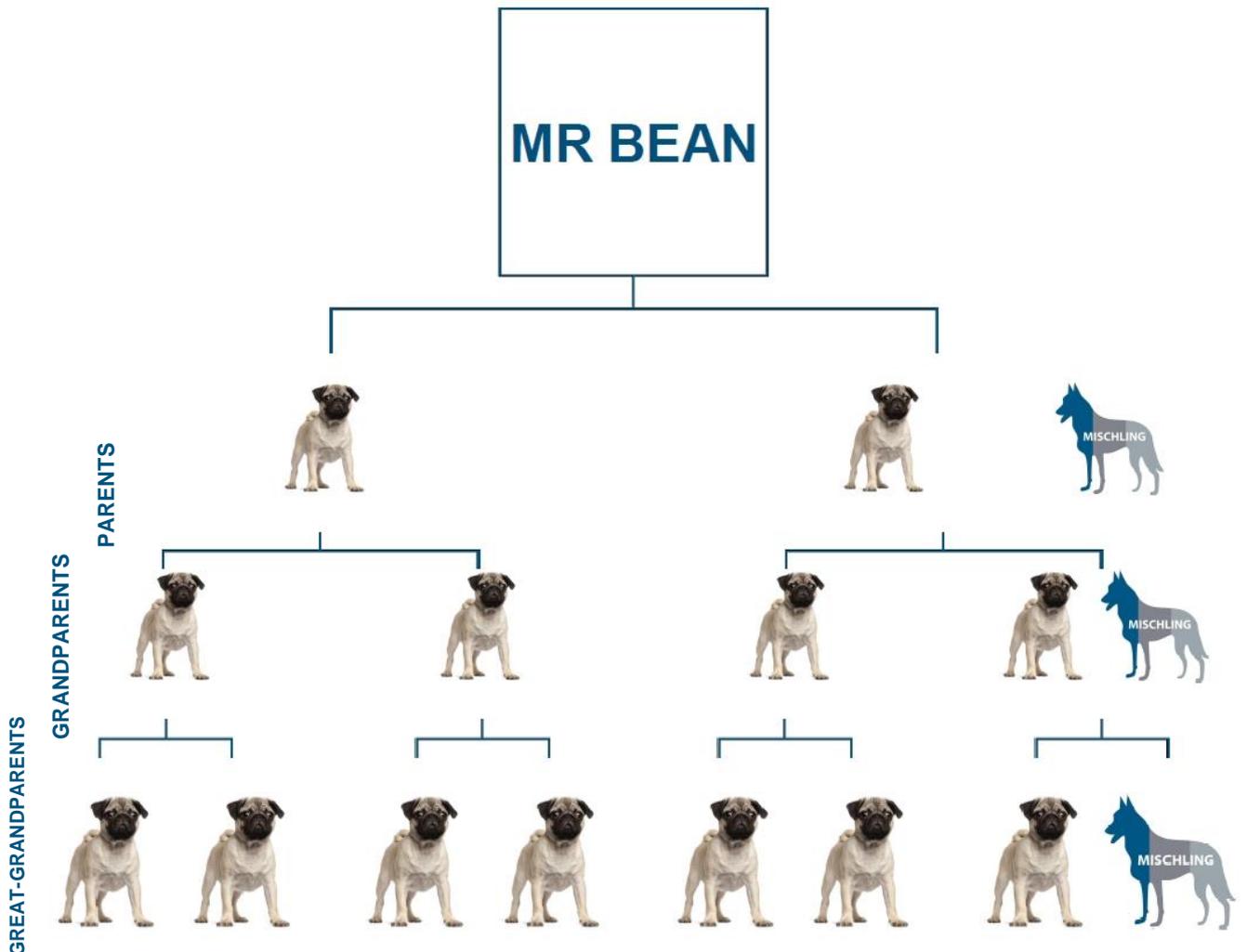
Breed Certificate

MR BEAN

Breed Identification Results:

Mr Bean is a
Pug Mix

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



Breed Distribution in Percent

What exactly does the result mean and how much of the different breeds are really in the ancestors of your dog? The genetic data obtained from your dog's DNA have been analyzed and evaluated by a special computer program. With this algorithm several million calculations were performed. The following breed distribution was found in your darling:



PUG: 87,5%



MIX: 12,5%

PREDICTED ADULT WEIGHT

Based on the markers from genetic analysis and the breeds found in your dog's ancestry, the likely adult weight of your dog was calculated. The weight profile represents the unique mix and proportion of the different breeds identified.

If intact, the predicted weight is between 5 and 10 kg

If neutered, the predicted weight is between 6 and 11 kg

There are many factors that can influence a dog's adult weight, including sex and neuter status. Both factors have been used to calculate the predicted body weight of your dog. An additional influence on body weight has a proper diet and sufficient exercise. Please keep in mind that overweight is not only a serious human problem but can also affect your dog. Overweight should be taken seriously!



POTENTIAL BREEDS IN THE MIXED BREED PORTION

Within the last 3 generations a portion of your dog's ancestry was predicted as mixed breed portion. It is difficult to identify strong breed signatures in this portion for what reason your dog's DNA was used to identify the 5 most likely breeds with the strongest statistical likelihood. These 5 breeds are shown below. The breeds are ranked in order of strength with the most likely at the top of the list. One or more of these breeds may have contributed to the genetic makeup of your dog's ancestors. Please keep in mind that it is very unlikely that all these breeds are actually represented in your dog's ancestry. There is also the possibility that there are one or more breeds, which can currently be not detected because they are not present in the database.



Beagle


 Detection
 Threshold


Clumber Spaniel



Sussex Spaniel



Cocker Spaniel



English Cocker Spaniel





HOW THE TEST WORKS

At the very beginning of your dog's breed determination, DNA was isolated from the mucosa cells and analyzed using more than 1800 genetic markers. Each breed has its own genetic make-up and marker distribution and this fact can be used to determine which breeds are represented in your dog. This is done by a computer or to be more specific by a special algorithm designed to consider all the possible pedigree trees in the last three generations. The considered trees include simple pedigrees with just one breed as in purebred dogs, two different breeds like in designer dog, all the way up to highly complex trees with eight different great-grandparent breed included. The computer program uses information of numerous breeds and varieties (e.g., miniature schnauzers, giant schnauzers, etc.) included in the breed database. For each of the million possible combinations of pedigree trees the computer gave each a score representing how well the selected breeds match with your dog's DNA data. The pedigree with the best overall score is shown in the ancestry chart. Only breeds that reached a set confidence threshold for reporting are shown in the ancestry chart.





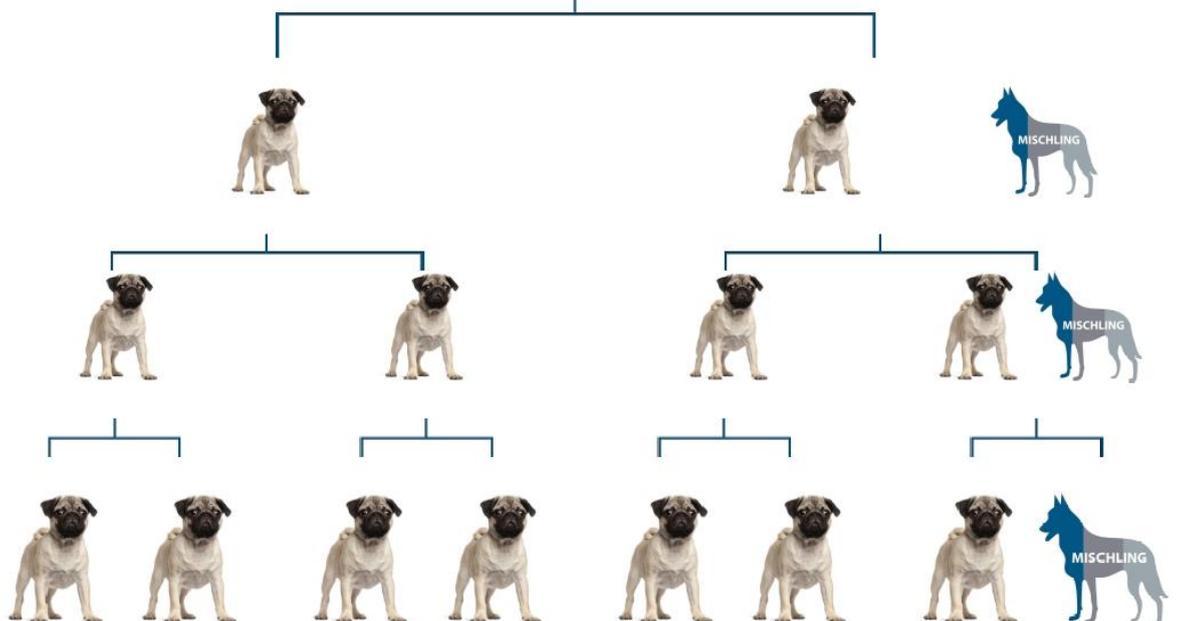
Certificate

Breed Identification of Mr Bean

This certificate confirms the genetic background of your dog, following careful analysis of more than 1800 genetic markers. The resulting matches of purebred dog breed signatures listed above included the last 3 generations of your dog's ancestry and were performed by using proprietary breed detection algorithm.

Mr Bean is a

Pug Mix





TERMS & CONDITIONS

Each dog is unique with its individual physical and behavioural traits resulting from various factors like genetics, training and environment. Breed identification can provide an insight into the breed ancestry of your dog. This test was solely designed to identify the genetic breed makeup, to confirm the genetic breed profile of a dog or predict the adult weight/size of a dog. No other uses are intended, authorized or permitted. After receiving a dog's sample the DNA of this sample will be analysed to determine potential breeds in the ancestry of your dog. In the case that your dog is likely purebred, comparisons of the genetic profile of your dog with the corresponding breed will be performed. In the case your dog is a crossbred dog from two purebred parents, this will involve determining the heritage of your dog's sire and dam. In each case this will be done with a reasonable degree of certainty. Testing procedures were designed to provide reliable and accurate results. FERAGEN, its partner laboratory or other associated companies are not responsible for errors during buccal swab sample taking or for any injuries or loss that may occur as a result. In the unlikely case that it is not possible to determine any breed history of your dog or that an error occurs during analysis, liability by FERAGEN, the partner laboratory or other associated companies or individuals is expressly disclaimed. Damages, if any, are limited to the payment actually received by FERAGEN. Breed identification is based upon a database of validated breeds. If your dog contains other breeds, which are not actually available in the database, it may result in the identification of breeds, or a combination of breeds, related to the breeds in the ancestry of your dog. This breed identification is not intended to be used by regulatory authorities or in certain countries or territories to identify breeds that may require special handling or prohibit the ownership of some dogs because of their genetic background. FERAGEN nor the partner laboratory or other associated companies are responsible for the approval or notification regarding this matter. Our current terms and conditions and privacy policy as well as conditions of revocation are valid and have been made available to you during placing your order. They can be found at www.feragen.at/agb and www.feragen.at/datenschutz as well as www.feragen.at/widerruf. Pictures are from: © FERAGEN, © Stockphoto.com, © 123rf.com, © pixabay, © wikimedia. Duplication, processing, distribution and any kind of exploitation outside the limits of copyright require the written consent of the author or creator. Copies are only permitted for private, non-commercial use. In the case, that content was not created by FERAGEN, copyrights of third parties are respected. Contents of third parties are indicated. In the case of a copyright infringement we kindly ask for evidence and in the case that such an infringement persists, the corresponding content will be immediately deleted.