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Genetic Test

Health & Reproduction

Animal : **Ron**

Identification No. :	**208 238 000 012 672**	Owner :	**Tina OLSEN**
Breed :	**Bernese Mountain Dog**	Sample No. :	**E00916173** (sampled on 25/03/2024)
Gender :	**Male**	Result code :	**A00069817**
Birth date:	**29/06/2020**	Sampler :	**Josefine friis PEDERSEN** (Veterinarian - Order No. : 7152)
Pedigree :			Sample **authenticated**
Result validated on :	12/04/2024	Document issued on :	12/04/2024

RISK FACTORS

	Expression mode	RESULT
Histiocytic Sarcoma	Polygenic and multifactorial	**Index A**

Index A: The tested dog has a four times lower risk of developing Histiocytic Sarcoma.
Index B : Neutral index - No higher or lower risk of developing Histiocytic Sarcoma.
Index C : The tested dog has a four times higher risk of developing Histiocytic Sarcoma. The risk of the markers associated with the disease being transmitted to offspring is greatly increased. An Index C dog with a number of other positive qualities should not be removed from the breeding programme, rather it is necessary to adapt its matings. It is recommended to use the HSIMS tools to assess the best partners.

Explanation
This genetic test should be just one of the many selection criteria. It is important within a breeding population to give priority to individuals with the best index but is also of the utmost importance when selecting breeding pairs that sufficient genetic diversity is maintained in the breed.

This genetic test for Histiocytic Sarcoma is based on 9 genetic markers (Panel SH0912) identified from scientific research on Histiocytic Sarcoma on Bernese Mountain Dogs carried out by the Canine Genetics Team of the CNRS of Rennes, France. The methods used to calculate the genetic index were based on a population of 1081 European dogs, mainly from France. The test for Histiocytic Sarcoma has three possible results expressed as an index: index A, the individual tested has a four times lower risk of developing Histiocytic Sarcoma ; index B means neutral index ; index C, the individual tested has a four times higher risk of developing Histiocytic Sarcoma. This genetic test is simply a probability test, and this must be clearly accepted by the user.

This genetic test is designed solely to be a tool to help breeders in their breeding decisions. As a probability test, the test SH is subject to error and should not therefore be used, under no circumstances, as a commercial or advertising point by breeders.

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