RESULT REPORT (bbf7f7b5-ad98-48c8-ad37-f32788345d8f)

DLA-Typing

FERAGEN Genetic Veterinary Laboratory

DOG DETAILS

Sample ID:	AA646472	**Owner:**	Janine van Hedel
Call Name:	Nomee	**Microchip:**	528140000884857
Official Name:	Nominated By Nomee From Various Canine	**Stud Book Number:**	NHSB 3332490
Breed:	Leonberger	**Sample Material:**	EDTA-Blood
Sex:	Female		
Date of birth:	20.04.2024		

Sample collection performed by: **Veterinary**

Dierenkliniek "Den Heuvek" R. A. J. Smits

DLA-DRB1	00101	00601
DLA-DQA1	00101	005011
DLA-DQB1	00201	00701

Interpretation: Heterozygous - No Match

Genetic analysis of the three DLA genes, DLA-DRB1, DLA-DQA1, and DLA-DQB1, showed that the tested dog has two different DLA haplotypes. This means the dog has completely different versions of these three DLA genes and shows the highest genetic diversity. Usually, these genes are passed on together as a group of three to the next generation. Genetic testing was done based on the latest scientific knowledge.

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Breeding Relevance

The tested dog has two different sets of DLA combinations (haplotypes). Before breeding, it is important to compare these combinations with the partner's haplotypes. By figuring out the genes of both parents, it is possible to predict what gene combinations are possible in the puppies. To preserve genetic diversity, ensure that mating doesn't result in homozygous puppies with the same haplotype 1 and 2, considering all relevant breeding factors.

Important

If a dog has two identical gene combinations (homozygosity) in its DLA genes, it shouldn't automatically be excluded from breeding. Pairing two homozygous breeding partners in the DLA genes can actually be beneficial for the puppies, as long as both parents don't have the same homozygous gene combinations. In that case, all the puppies would inherit diverse DLA genes.

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Following you will find risk haplotypes or protective haplotypes which are known in your dog's breed and which are associated with specific diseases. Matches with these haplotypes may result in an increased risk/protection against diseases. However, this does not necessarily mean that your dog will develop a disease if it carries a risk haplotype. Onset of autoimmune diseases depends on multiple factors and not only on genetic predisposition.

Risk Variants

Name	DLA-DRB1	DLA-DQA1	DLA-DQB1
Autoimmune lymphatic thyroiditis		00101	

Protective Variants

Currently no known protective variants.

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Dr. A. Gerstschläger
Scientific Management

Genotyping was performed according to the latest scientific and technical standards and with the highest degree of care. The test results refer solely to the samples tested. The submitter is responsible for the correct information of the sample submitted. We do not provide any warranty for this. Compensation claims are limited to intent and gross negligence. Compensation for consequential damage is excluded. The current terms and conditions, revocation and data protection regulations are valid. These can be found on our homepage for download at www.feragen.at/agb www.feragen.at/widerruf www.feragen.at/datenschutz

Date: 25.10.2026