

LABOKLIN NV
Industriestraat 29
6433JW Hoensbroek (NL)
Tel.: +31 85 4890580

Report

No.: 2306-N-07521
Date of arrival: 30-06-2023
Date of report: 11-07-2023

Patient identification: Dog female * 05.04.23
Schotse Herder Langhaar
Owner / Animal-ID: Rikken, H.
Type of sample: EDTA
Date sample was taken: 29-06-2023

| Parameter | Value | Reference value |
|-----------|-------|-----------------|
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| Name: | Houbensloch Castle Siubhan Laggan | |
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| Stud book no.: | 3303281 | |
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|-----------|------------------------|--|
| Chip no.: | 528140000893111 | |
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| Tattoo no.: | -- | |
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Dermatomyositis (DMS) - PCR

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|----------------|------------|
| Locus A (PAN2) | a/a |
|----------------|------------|

| | |
|--------------------|------------|
| Locus B (MAP3K7CL) | b/b |
|--------------------|------------|

| | |
|-------------------|------------|
| Locus C (DLADRB1) | C/C |
|-------------------|------------|

Assessment of Risk:

The likelihood of an individual dog developing DMS can be classified as low (0%-5%), moderate (33%-50%), or high (90%-100%) based on the genotype combination of Locus A (PAN2), Locus B (MAP3K7CL),

and Locus C (DLA-DRB1).

Wild type alleles of loci A and B are represented by lower case letters, a and b, while the risk alleles are represented by upper case letters A and B.

The risk allele at DLA complex (DLA-DRB1*002:01) is referred to as C, and the lower case letter c represents any alternate allele for DLA-DRB1.

LOW RISK GENOTYPES: aabbCC, aabbCc, AabbCC, AabbCc, aaBbCC, aaBbCc, AaBbCC, AaBbCc, aaBBCC

MODERATE RISK GENOTYPES: AAbbCC, AAbbCc, aaBBCC, AaBBCc, AABbCc

HIGH RISK GENOTYPES: AABbCC, AaBBCC, AABBCC, AABBCc

Scientific studies found correlation between these markers and signs of the disease in the following breeds: Collie, Shetland Sheepdog