Email: maarit.kalke@kolumbus.fi

LABOKLIN
LABOR FÜR KLINISCHE DIAGNOSTIK GMBH & CO. KG

LABOKLIN GmbH&CoKG . Postfach 1810 .DE-97688 Bad Kissingen

Finnish Kennel Club
Suomen Kennelliito
Kamreerintie 8
02770 Espoo
Finnland

Report
No.: 2004-W-16902
Date of arrival: 11-04-2020
Testing started: 11-04-2020
Date of report: 16-04-2020
Testing completed:

Patient identification:	Dog Male Shetlaninlammaskoira	* 26.12.2018
Owner / Animal-ID:	Kalke, Maarit	
Type of sample:	EDTA-Blood	
Date sample was taken:		

Name: **Marvitholl Chief**
Stud book no.: **FI 27250/19**
Chip no.: **643093300041770**
Tattoo no.: **---**

Degenerative Myelopathy - PCR

Result: Genotype N/N (exon 2)

Interpretation: The examined animal is homozygous for the wildtype-allele. It does not carry the high-risk factor for DM in exon 2 of the SOD1-gene.

Trait of inheritance: autosomal-recessive

Please note: In the Bernese Mountain Dog breed the mutation in exon 1 of the SOD1-gene also occurs in correlation with DM.

Progressive Retinaatrophie (Shet PRA) - PCR

Result: Genotype N/N

Interpretation: The examined animal is homozygous for the wildtype-allele. It does not carry the causative mutation for

sample ID: 2004-W-16902

LABOKLIN
LABOR FÜR KLINISCHE DIAGNOSTIK GMBH & CO. KG

CNGA1-PRA in the CNGA1-gene.

Trait of inheritance: autosomal-recessive

Scientific studies found correlation between the mutation and symptoms of the disease in the following breeds: Shetland Sheepdog

*__MDR1 genetic test - PCR__

pending

Please note: in individual cases, heterozygous dogs can show clinical signs!

The DNA-test is run according to the publication of Mealey et al. (2001) "Ivermectin sensitivity in collies is associated with a deletion mutation of the mdr1 gene." and detects the mutation MDR1 nt230 (del4).

MDR1 genetic test carried out according to DIN EN ISO/IEC 17025 in our partnerlaboratory. Liability for specification of samples (e.g. name, identity of animal) lies by the sender.

*__Collie Eye Anomaly (CEA) - PCR__

pending

__vWD Typ III - PCR__

Result: Genotype N/N

Interpretation: The examined animal is homozygous for the wildtype-allele. It does not carry the causative mutation for vWD type III in the vWF-gene.

Trait of inheritance: autosomal-recessive

Scientific studies found correlation between the mutation and symptoms of the disease in the following breeds: Shetland Sheepdog

__Sampling:__

sample ID: 2004-W-16902

LABOKLIN
LABOR FÜR KLINISCHE DIAGNOSTIK GMBH & CO. KG

The following impartial person (veterinarian, breed warden, or similar) signed the form for the sampling and identity check of the animal:

Vet.med.lic. Ali Eklof (1626)

The current result is only valid for the sample submitted to our laboratory. The sender is responsible for the correct information regarding the sample material.The laboratory can not be made liable. Furthermore, any obligation for compensation is limited to the value of the tests performed.

There is a possibility that other mutations may have caused the disease/phenotype. The analysis was performed according to the latest knowledge and technology.

The laboratory is accredited for the performed tests according to DIN EN ISO/IEC 17025:2005. (except partner lab tests).

Breeding club discounts were granted for discountable services!

courier costs

These results are based on the sample material submitted to our laboratory.

This was suitable if not stated otherwise. The submitter is responsible for the accuracy of the information regarding the sample. This report can only be transmitted in toto and unchanged. Doing otherwise requires written permission from Laboklin GmbH & Co. KG.

*** END of report ***

Fr. MSc Michelle Meißler
Abt. Molekularbiologie

*: test performed by partnerlaboratory