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Report No.: **2307-W-03364**
Date of arrival: 20.07.2023
Date of report: 21.07.2023
Testing started: 20.07.2023
Testing completed:
Status of the report: Partial report

Species:	Dog
Breed:	Welsh Corgi Pembroke
Gender:	Male
Name:	Siggen's Supersonic
Stud book No.:	NO30515/22
Chip No.:	578094100135416
Date of birth / Age:	30.11.2021
Type of sample:	EDTA-Blood
Date sample was taken:	13.07.2023
Owner / Animal-ID:	Wilberg, Leif Herman
IT No. / Report-ID:	---

Brachyury - PCR

Result: Genotype N/ST

Interpretation: The examined animal is heterozygous for the causative mutation for brachyury.

Trait of inheritance: autosomal-dominant

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.

vWD Type I

Result: Genotype N/N

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

Trait of inheritance: autosomal-dominant with variable penetrance

lock

Scientific studies found correlation between the mutation and symptoms of the disease in the following breeds: Bernese Mountain Dog, Coton de Tulear, Doberman, Drentse Patrijshond, German Pinscher, Irish Setter, Irish Red and White Setter, Kerry Blue Terrier, Kromfohlönder, Manchester Terrier, Papillion, Pembroke Welsh Corgi, Poodle and Stabyhoun

Progressive retinal atrophy (rcd3-PRA) - PCR

pending

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.

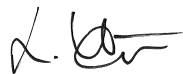
There is a possibility that other mutations may have caused the disease/phenotype. The analysis was performed according to the latest knowledge and technology.

The laboratory is accredited for the performed tests according to DIN EN ISO/IEC 17025:2018. (except partner lab tests).

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.

LABOKLIN is an officially accredited laboratory according to DIN EN ISO/IEC 17025:2018, DAkkS No. D-PL-13186-01-01 and D-PL-13186-1-02. The accreditation applies to all test procedures listed in the accreditation certificate.



Fr. MSc Laura Hübner
Abt. Molekularbiologie

***** END of report *****

***** FGF23: our new kidney parameter for dogs and cats! *****

FGF23 is a marker for monitoring renal diseases which often indicates disorders of phosphate metabolism earlier than serum total phosphate in dogs and cats with early-stage CKD. With the result, it is possible to assess whether the animal could benefit from phosphate-lowering treatment. (<https://www.mdpi.com/2076-2615/13/11/1853>)