

**Customer:** Marek Kučera, Na Betonce 1361/3, 15300 Praha 16- Radotín, Czech Republic

**Sample:**

Sample: 21-42683

Date received: 06.10.2021

Sample type: buccal swab

Information provided by the customer

**Name:** Andara Becoming Queen

**Breed:** German Pinscher

Microchip: 380 260 043 940 058

Reg. number: CMKU/NP/2346/-20/20

Date of birth: 28.02.2020

Sex: female

Date of sampling: 02.10.2021

The identity of the animal has been checked by Ing. Jana Kůsová,  
Genomia s.r.o.

**Result: Mutation was not detected (N/N)**

**Legend:** N/N = wild-type genotype. N/P = carrier of the mutation. P/P = mutated genotype (individual will be most probably affected with the disease). (N = negative, P = positive)

**Explanation**

Presence or absence of c.7437G>A mutation in exon 43 of VWF gene causing vWD type I was tested. This mutation causes deficiency or failure of VWF (von Willebrand factor) which is called von Willebrand disease type I (vWD I). VWD manifests as bleeding which is most apparent in tissues having high blood flow shear in narrow vessels. VWD manifests oneself as a tendency to bleeding from skin and tissues.

VWD type I is the most often and simultaneously the least serious form of mammalian vWD. The disease is characterised by low plasma vWF concentration and normal vWF protein structure. VWD type I occurs, for example, in dog breeds Bernese Mountain Dog, Doberman Pinscher, Manchester terrier, Welsh Corgi Pembroke, all Poodles, Labradoodle, Goldendoodle.

Mutation c.7437G>A that causes VWDI is inherited as an autosomal recessive trait. That means the disease affects dogs with P/P genotype only. The dogs with N/P genotype are considered carriers of the disease (heterozygotes). In offspring of two heterozygous animals following genotype distribution can be expected: 25 % N/N, 25 % P/P and 50 % N/P.

Method: SOP182-vWDI, HRMA, accredited method

Date of issue: 12.10.2021

Date of testing: 06.10.2021 - 12.10.2021

Approved by: Mgr. Martina Šafrová, Laboratory Manager



Genomia is accredited in compliance with ISO/IEC 17025:2018 under #1549

Genomia s.r.o, Republikánská 6, 31200 Plzeň, Czech Republic

www.genomia.cz, laborator@genomia.cz, tel: +420 373 749 999



Report verification code is: K4CM-WYAR-MRYM-F1B5-WYN4. You can verify report online at [www.genomia.cz](http://www.genomia.cz)

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