Igenity® Canine VDD-GNA DNA Test Results

Animal Name: Vico IV vom Donaueck
Barcode: GS477566
Sample Type: Bristle Swab

Owner name: Keith Kneser KNE040
Order ID: 416795
Date of DNA Test: 2019-01-09

Furnishings

Result: F/f

Furnishings (the presence of eyebrows and beard) is a dominant mutation in the RSPO2 gene.

Genotype (*Result*)	Phenotype (*Appearance*)
F/F	Furnishings present
F/f	Furnishings present
f/f	Smooth coat

Expected Breeding outcomes:

Parent 1	Parent 2	Expected % of pups with Furnishings
F/F	any mate	100%
F/f	F/f	75%
F/f	f/f	50%
f/f	f/f	0%

Hemophilia B (Factor IX Deficiency)

Result: Free

Hemophila B is a recessive mutation inherited on the X chromosome (X-linked). Females (XX) have two copies of the X chromosome, while males (XY) have only one X chromosome inherited from the mother.

AFFECTED: Individual has two copies (female) or one copy (male) of the mutated allele which results in a deficiency of clotting factor IX leading to prolonged and/or excessive bleeding tendency.
CARRIER: Female with a single copy of the mutated allele. These females should not be used for breeding. A single copy of the mutated allele passed on to a male pup will result in clinical disease.
FREE: No variant detected.

von Willebrand's Disease Type II

Result: Free

AFFECTED: Individual has 2 copies of the mutated allele which results in a shortage of von Willebrand's factor II, an essential component for blood clotting. Clinical signs include prolonged bleeding of the umbilical cord at birth, nosebleeds, blood in urine or excessive bruising.
CARRIER: Individual has 1 copy of the mutated allele. This individual will not show signs of disease, but if mated to another carrier, could produce affected pups.
FREE: No variant detected.

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Exercise Induced Collapse	Result: Free

AFFECTED: Individual has 2 copies of the mutated allele in the DNM1 gene which causes collapse after strenuous exercise. Typically affected dogs recover within 30 minutes, but occasionally episodes can be fatal. Affected dogs have a good quality of life as house pets, but strenuous training for hunting is not recommended.
CARRIER: Individual has 1 copy of the mutated allele. This individual will not show signs of disease, but if mated to another carrier, could produce affected pups.
FREE: No variant detected.

Hyperuricosuria	Result: Free

AFFECTED: Individual has 2 copies of the mutated SLC2A9 gene which results in a higher concentration of uric acid in the blood and urine. This condition results in higher risk for ammonium urate urinary crystals and stones. Specific diets can help to prevent clinical signs.
CARRIER: Individual has 1 copy of the mutated allele. This individual will not show signs of disease, but if mated to another carrier, could produce affected pups.
FREE: No variant detected.

Do you have questions about your results?

We're here to help:

Call Canine Customer Support: 877-IGENITY

Email geneseekinfo@neogen.com

Barcode GS477566

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