

## Canine Genetic Health Certificate<sup>©</sup>

Call Name: Simon Laboratory #:

**Registered Name:** Kerhaven's The X Factor **Registration #:** AL510920

Breed:Smooth CollieMicrochip #:952000000831033Sex:MaleCertificate Date:Sept. 11, 2014

Sex: Male Certificate Date:
DOB: June 2013

## This canine's DNA showed the following genotype(s):

Disease	Gene	Genotype	Interpretation
Collie eye anomaly	NHEJ1	WT/M	Carrier
Cone degeneration (Group A)	CNGB3	WT/WT	Normal
Degenerative myelopathy	SOD1	WT/WT	Normal
Dilated cardiomyopathy	PDK4	WT/WT	Normal
Dilute (D-locus) coat color	MLPH	WT/WT	Normal
Exercise-induced collapse	DNM1	WT/WT	Normal
Gallbladder mucoceles	ABCB4	WT/WT	Normal
Hyperuricosuria	SLC2A9	WT/WT	Normal
Intestinal cobalamin malabsorption (Group B)	CUBN	WT/WT	Normal
Multidrug resistance 1	ABCB1	WT/WT	Normal
Multifocal retinopathy 1	BEST1	WT/WT	Normal
Neuronal ceroid lipofuscinosis 5	CLN5	WT/WT	Normal

WT, wild type (normal); M, mutant

3502

Paw Print Genetics™ performed the tests listed on this dog. See the Laboratory Report for interpretation and recommendations based on these findings. The genes/diseases reported here were selected by the client. Normal results do not exclude inherited mutations not tested in these or other genes that may cause medical problems or may be passed on to offspring. These tests were developed and their performance determined by Paw Print Genetics. This laboratory has established and verified the tests' accuracy and precision. Genetic counseling is available at Paw Print Genetics.

**Blake C Ballif, PhD**Laboratory & Scientific Director

Casey R Carl, DVM Associate Medical Director



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Registered Name:Kerhaven's The X FactorRegistration #:AL510920Breed:Smooth CollieMicrochip #:952000000

Breed:Smooth CollieMicrochip #:952000000831033Sex:MaleCertificate Date:Sept. 11, 2014DOB:June 2013

## This canine's DNA showed the following genotype(s):

Disease	Gene	Genotype	Interpretation
Neuronal ceroid lipofuscinosis 6	CLN6	WT/WT	Normal
Primary ciliary dyskinesia	CCDC39	WT/WT	Normal
Primary lens luxation	ADAMTS17	WT/WT	Normal
Progressive retinal atrophy, Progressive rod-cone degeneration	PRCD	WT/WT	Normal
Spongiform leukoencephalomyelopathy	CYTB	WT/WT	Normal
Trapped neutrophil syndrome	VPS13B	WT/WT	Normal
Von Willebrand disease II	VWF	WT/WT	Normal
Von Willebrand disease III (Group B)	VWF	WT/WT	Normal

WT, wild type (normal); M, mutant

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