

## Canine Genetic Health Certificate™

**Call Name:** Cobalt  
**Registered Name:** Cyanmerlcoalt  
**Breed:** Border Collie  
**Sex:** Male  
**DOB:** May 2015

**Laboratory #:** 30420  
**Registration #:** 420769  
**Certificate Date:** July 20, 2016

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

Disease	Gene	Genotype	Interpretation
Collie Eye Anomaly	NHEJ1	WT/WT	Normal (clear)
Degenerative Myelopathy	SOD1	WT/WT	Normal (clear)
Intestinal Cobalamin Malabsorption (Border Collie Type)	CUBN	WT/WT	Normal (clear)
Multidrug Resistance 1	ABCB1	WT/WT	Normal (clear)
Neuronal Ceroid Lipofuscinosis 5	CLN5	WT/WT	Normal (clear)
Trapped Neutrophil Syndrome	VPS13B	WT/WT	Normal (clear)

WT, wild type (normal); M, mutant

*Collie Eye Anomaly was performed under an exclusive sublicense from OptiGen®, LLC*

**Christina J Ramirez, PhD, DVM, DACVP**  
Medical Director

**Casey R Carl, DVM**  
Associate Medical Director

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. Because all tests performed are DNA-based, rare genomic variations may interfere with the performance of some tests producing false results. If you think these results are in error, please contact the laboratory immediately for further evaluation. In the event of a valid dispute of results claim, Paw Print Genetics will do its best to resolve such a claim to the customer's satisfaction. If no resolution is possible after investigation by Paw Print Genetics with the cooperation of the customer, the extent of the customer's sole remedy is a refund of the fee paid. In no event shall Paw Print Genetics be liable for indirect, consequential or incidental damages of any kind. Any claim must be asserted within 60 days of the report of the test results. Genetic counseling is available at Paw Print Genetics.