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(509) 483-5950

Laboratory Report

Laboratory #:	390237	**Call Name:**	Bonsai
Order #:	179017	**Registered Name:**	Bred for Brilliance Bonsai
Ordered By:	Danielle Manire	**Breed:**	Border Collie
Ordered:	March 6, 2023	**Sex:**	Male
Received:	April 7, 2023	**DOB:**	Jan. 2022
Reported:	April 18, 2023	**Registration #:**	DN71228603
		Microchip #:	846003806

Results:

Disease	Gene	Genotype	Interpretation
Collie Eye Anomaly	*NHEJ1*	WT/WT	Normal (clear)
Degenerative Myelopathy	*SOD1*	WT/WT	Normal (clear)
Dental Hypomineralization	*FAM20C*	WT/WT	Normal (clear)
Exercise-Induced Collapse	*DNM1*	WT/WT	Normal (clear)
Glaucoma (Border Collie Type)	*OLFML3*	WT/WT	Normal (clear)
Hyperuricosuria	*SLC2A9*	WT/WT	Normal (clear)
Intestinal Cobalamin Malabsorption (Border Collie Type)	*CUBN*	WT/WT	Normal (clear)
Multidrug Resistance 1	*ABCB1*	WT/WT	Normal (clear)
Myotonia Congenita (Australian Cattle Dog Type)	*CLCN1*	WT/WT	Normal (clear)
Neuronal Ceroid Lipofuscinosis 5 (Herding Dog Type)	*CLN5*	WT/WT	Normal (clear)
Sensory Neuropathy (Border Collie Type)	*FAM134B*	WT/WT	Normal (clear)
Trapped Neutrophil Syndrome	*VPS13B*	WT/WT	Normal (clear)

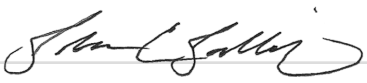
WT, wild type (normal); M, mutant; Y, Y chromosome (male)

Interpretation:

Molecular genetic analysis was performed for 12 specific mutations reported to be associated with disease in dogs. We identified two normal copies of the DNA sequences in 12 mutations tested. Thus, this dog is not at an increased risk for the diseases associated with these 12 mutations.

Recommendations:

No mutations were identified. Thus, this dog is not at an increased risk for the diseases caused by or associated with the mutations tested. Because this dog is "clear" of these mutations, this dog will only pass the normal genes on to its offspring. 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. Paw Print Genetics® has genetic counseling available to you at no additional charge to answer any questions about these test results, their implications and potential outcomes in breeding this dog.



Blake C Ballif, PhD
Laboratory & Scientific Director

Christina J Ramirez, PhD, DVM, DACVP
Medical Director

Paw Print Genetics® performed the tests listed on this dog. 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. The results included in this report relate only to the items tested using the sample provided. These tests were developed and their performance determined by Paw Print Genetics. This laboratory has established and verified the test(s)' accuracy and precision with >99.9% sensitivity and specificity. The presence of mosaicism may not be detected by this test. Non-paternity may lead to unexpected results. This is not a breed identification test. Because all tests performed are DNA-based, rare genomic variations may interfere with the performance of some tests producing false results. If you think any 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.