

Canine Genetic Health Certificate™

Call Name: Flash Dann Laboratory #:

Registered Name: Impression's Flash Dann Registration #:

Breed: Miniature American Shepherd **Microchip #:** 981020021031267

Sex: Male DOB: July 2017

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

DiseaseGeneGenotypeInterpretationCollie Eye AnomalyNHEJ1WT/WTNormal (clear)Cone DegenerationCNGB3WT/WTNormal (clear)Degenerative MyelopathySOD1WT/WTNormal (clear)Hereditary Cataracts (Australian Shepherd Type)HSF4WT/WTNormal (clear)HyperuricosuriaSLC2A9WT/WTNormal (clear)Intestinal Cobalamin Malabsorption (Australian Shepherd Type)AMNWT/WTNormal (clear)Multidrug Resistance 1ABCB1WT/MCarrier (At-Risk)Multifocal Retinopathy 1BEST1WT/WTNormal (clear)Neuronal Ceroid Lipofuscinosis 6CLN6WT/WTNormal (clear)Progressive Retinal Atrophy, Progressive Rod-ConePBCDWT/WTNormal (clear)			
Cone Degeneration CNGB3 WT/WT Normal (clear) Degenerative Myelopathy SOD1 WT/WT Normal (clear) Hereditary Cataracts (Australian Shepherd Type) HSF4 WT/WT Normal (clear) Hyperuricosuria SLC2A9 WT/WT Normal (clear) Intestinal Cobalamin Malabsorption (Australian Shepherd Type) Multidrug Resistance 1 ABCB1 WT/M Carrier (At-Risk) Multifocal Retinopathy 1 BEST1 WT/WT Normal (clear) Neuronal Ceroid Lipofuscinosis 6 CLN6 WT/WT Normal (clear)	Disease	Gene Genoty	pe Interpretation
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Progressive Retinal Atrophy, Progressive Rod-Cone PBCD WT/WT Normal (clear)	Neuronal Ceroid Lipofuscinosis 6	CLN6 WT/WT	Normal (clear)
Degeneration	Progressive Retinal Atrophy, Progressive Rod-Cone Degeneration	ve Rod-Cone PRCD WT/WT	Normal (clear)

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

114763

Certificate Date:

DN50704603

Dec. 13, 2018

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Heller Shouth

Assistant Laboratory Director

Christina J Ramirez, PhD, DVM, DACVP

Medical Director

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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.