

## Canine Genetic Health Certificate™

<b>Call Name:</b>	Dava	<b>Laboratory #:</b>	264376
<b>Registered Name:</b>	Regen's Black Magic	<b>Registration #:</b>	SS08524701
<b>Breed:</b>	Labrador Retriever	<b>Microchip #:</b>	956000005099517
<b>Sex:</b>	Female	<b>Certificate Date:</b>	Nov. 16, 2021
<b>DOB:</b>	Oct. 2018		

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

Disease	Gene	Genotype	Interpretation
Centronuclear Myopathy	<i>PTPLA</i>	WT/WT	Normal (clear)
Cone Degeneration (Labrador Retriever Type)	<i>CNGA3</i>	WT/WT	Normal (clear)
Congenital Myasthenic Syndrome (Labrador Retriever Type)	<i>COLQ</i>	WT/WT	Normal (clear)
Copper Toxicosis (Labrador Retriever Type) ATP7A	<i>ATP7A</i>	WT/M	Carrier Female
Copper Toxicosis (Labrador Retriever Type) ATP7B	<i>ATP7B</i>	WT/WT	Normal (clear)
Cystinuria (Labrador Retriever Type)	<i>SLC3A1</i>	WT/WT	Normal (clear)
Degenerative Myelopathy	<i>SOD1</i>	WT/WT	Normal (clear)
Elliptocytosis	<i>SPTB</i>	WT/WT	Normal (clear)
Exercise-Induced Collapse	<i>DNM1</i>	WT/M	Carrier
Hereditary Nasal Parakeratosis	<i>SUV39H2</i>	WT/WT	Normal (clear)
Hyperuricosuria	<i>SLC2A9</i>	WT/WT	Normal (clear)
Ichthyosis (Golden Retriever Type)	<i>PNPLA1</i>	WT/WT	Normal (clear)

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



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

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Disease	Gene	Genotype	Interpretation
Macular Corneal Dystrophy (Labrador Retriever Type)	CHST6	WT/WT	Normal (clear)
Myotubular Myopathy 1	MTM1	WT/WT	Normal/Clear Female
Narcolepsy (Labrador Retriever Type)	HCRT2	WT/WT	Normal (clear)
Progressive Retinal Atrophy, Cone-Rod Dystrophy 4	RPGRIP1	WT/WT	Normal (clear)
Progressive Retinal Atrophy, Golden Retriever 2	TTC8	WT/WT	Normal (clear)
Progressive Retinal Atrophy, Progressive Rod-Cone Degeneration	PRCD	WT/WT	Normal (clear)
Pyruvate Kinase Deficiency (Labrador Retriever Type)	PKLR	WT/WT	Normal (clear)
Retinal Dysplasia/Oculoskeletal Dysplasia 1	COL9A3	WT/WT	Normal (clear)
Skeletal Dysplasia 2	COL11A2	WT/WT	Normal (clear)
Stargardt Disease	ABCA4	WT/WT	Normal (clear)

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



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