

Canine Genetic Health Certificate™

Call Name:	Bones	Laboratory #:	470357
Registered Name:	Elkens Digging Up Bones	Registration #:	SS27408201
Breed:	Labrador Retriever	Microchip #:	956000013765500
Sex:	Male	Certificate Date:	Dec. 6, 2024
DOB:	June 2021		

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

Disease	Gene	Genotype	Interpretation
Centronuclear Myopathy	<i>PTPLA</i>	WT/WT	Normal (Clear)
Chondrodystrophy with Intervertebral Disc Disease Risk Factor (CDDY with IVDD)	<i>CFA12 FGF4</i>	WT/WT	Normal (Clear) - No CDDY or Increased IVDD Risk
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>	M/Y	X-Linked Male Carrier
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 (Common Variant)	<i>SOD1</i>	WT/WT	Normal (Clear)
Ehlers-Danlos Syndrome (Labrador Retriever Type), Variant 1	<i>COL5A1</i>	WT/WT	Normal (Clear)
Ehlers-Danlos Syndrome (Labrador Retriever Type), Variant 2	<i>COL5A1</i>	WT/WT	Normal (Clear)
Elliptocytosis	<i>SPTB</i>	WT/WT	Normal (Clear)
Exercise-Induced Collapse	<i>DNM1</i>	WT/WT	Normal (Clear)

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

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Disease	Gene	Genotype	Interpretation
Hereditary Nasal Parakeratosis (Labrador Retriever Type)	<i>SUV39H2</i>	WT/WT	Normal (Clear)
Hyperuricosuria	<i>SLC2A9</i>	WT/WT	Normal (Clear)
Ichthyosis (Golden Retriever Type 1)	<i>PNPLA1</i>	WT/WT	Normal (Clear)
Laryngeal Paralysis and Polyneuropathy (Leonberger Type 3)	<i>CNTNAP1</i>	WT/WT	Normal (Clear)
Macular Corneal Dystrophy (Labrador Retriever Type)	<i>CHST6</i>	WT/WT	Normal (Clear)
Myotonia Congenita (Labrador Retriever Type)	<i>CLCN1</i>	WT/WT	Normal (Clear)
Myotubular Myopathy 1 (Labrador Retriever Type)	<i>MTM1</i>	WT/Y	Normal/Clear Male
Narcolepsy (Labrador Retriever Type)	<i>HCRTR2</i>	WT/WT	Normal (Clear)
Progressive Retinal Atrophy, Cone-Rod Dystrophy 4	<i>RPGRIP1</i>	WT/WT	Normal (Clear)
Progressive Retinal Atrophy, Golden Retriever 2	<i>TTC8</i>	WT/WT	Normal (Clear)
Progressive Retinal Atrophy, Progressive Rod-Cone Degeneration	<i>PRCD</i>	WT/WT	Normal (Clear)
Pyruvate Kinase Deficiency (Labrador Retriever Type)	<i>PKLR</i>	WT/WT	Normal (Clear)

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Certificate Date: Dec. 6, 2024

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Disease	Gene	Genotype	Interpretation
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)
Ullrich Congenital Muscular Dystrophy (Labrador Retriever Type 1)	COL6A3	WT/WT	Normal (Clear)
Ullrich Congenital Muscular Dystrophy (Labrador Retriever Type 2)	COL6A3	WT/WT	Normal (Clear)

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