

Genetic Summary Report

Animal Name: Tuna, Fish Out Of Water

Owner:

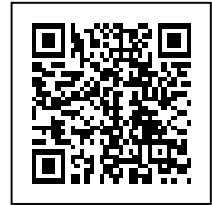
Logan Arnold

Membership Number : Not assigned

Member Body/Breed Club: Not assigned

Approved Collection Method: No





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Genetic Summary Report

Owner's details

Name:	Logan Arnold
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Animal's Details

Registered Name :	Tuna, Fish Out Of Water
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Pet Name :	Tuna, Fish Out Of Water
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Registration Number :	SS46957507
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Breed: :	Labrador Retriever
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Microchip Number :	956000017757303
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Sex: :	Intact Male
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Date of Birth :	25th Apr 2024
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Colour :	yellow
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Sample Collection Details

Case Number :	26US04999
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Collected By :	
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Approved Collection :	No
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Sample Type :	SWAB
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Test Details

Test Requested :	Service/Assistance Lab/Golden Retriever Cross Breed Bundle
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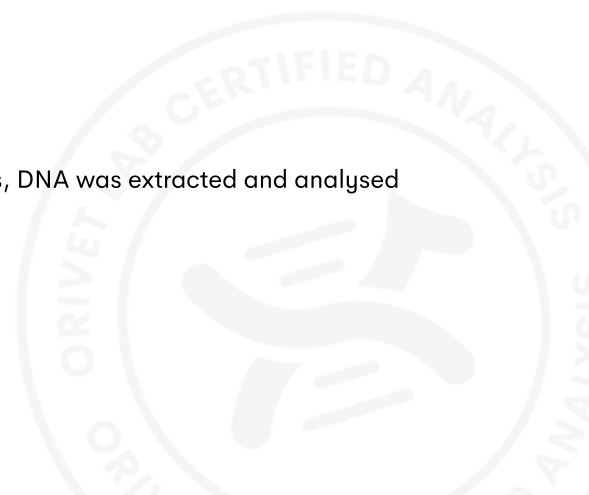
Pet Name :	Tuna, Fish Out of Water
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Date of Test :	9th Jun 2026
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Authorisation

Sample with Lab ID Number 26US04999 was received at Orivet Genetics, DNA was extracted and analysed with the following result reported:

Orivet Genetic Analyst





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Genetic Summary Report

Health Tests Reported (Continued)

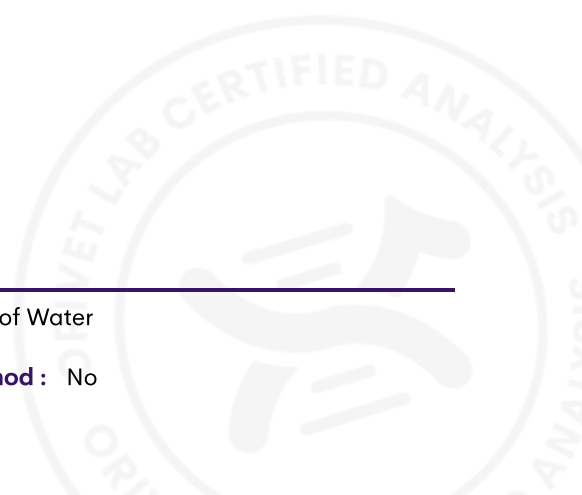
Breed Sense	Diseases	Result
✓	Centronuclear Myopathy (Labrador Retriever Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
✓	Congenital Myasthenic Syndrome (Labrador Retriever Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
✓	Copper Toxicosis (ATP7B & ATP7A) (Labrador Retriever Type)	NORMAL (N/N) FOR BOTH THE ATP7B AND ATP7A VARIANT
✓	Degenerative Myelopathy	NORMAL (N/N) - [NO VARIANT DETECTED]
✓	Exercise Induced Collapse (Retriever Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
✓	Hereditary Nasal Parakeratosis/Dry Nose (Labrador Retriever Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
✓	Macular Corneal Dystrophy (Labrador Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
✓	Progressive Rod Cone Degeneration (prcd) - PRA	NORMAL (N/N) - [NO VARIANT DETECTED]
✓	Retinal Dysplasia/Oculoskeletal Dysplasia 1	NORMAL (N/N) - [NO VARIANT DETECTED]
✓	Skeletal Dysplasia 2 (Mild Disproportionate Dwarfism)	NORMAL (N/N) - [NO VARIANT DETECTED]
✓	Stargardt Disease (Retinal Degeneration)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Congenital Myasthenic Syndrome (Golden Retriever Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Generalised PRA 1 (Golden Retriever Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Generalised PRA 2 (Golden Retriever Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Ichthyosis (Golden Retriever Type 2)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Ichthyosis A (Golden Retriever)	NORMAL (N/N) - [NO VARIANT DETECTED]

Owner's Name : Logan Arnold

Pet Name : Tuna, Fish Out of Water

Microchip Number 956000017757303

Approved Collection Method : No





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Genetic Summary Report

Health Tests Reported

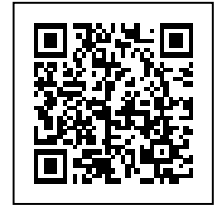
Breed Sense	Diseases	Result
	Neuronal Ceroid Lipofuscinosis NCL (Golden Retriever Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Progressive Retinal Atrophy RCD4	NORMAL (N/N) - [NO VARIANT DETECTED]

Owner's Name : Logan Arnold

Pet Name : Tuna, Fish Out of Water

Microchip Number 956000017757303

Approved Collection Method : No



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Genetic Summary Report

Health Tests Reported

Breed Sense	Traits	Result
✓	B Locus - Bd, Bs, Bc [Various Breeds]	BB [BcBc BdBd BsBs] - DOES NOT CARRY BROWN/RED/LIVER or CHOCOLATE

Owner's Name : Logan Arnold

Pet Name : Tuna, Fish Out of Water

Microchip Number 956000017757303

Approved Collection Method : No

Glossary of Genetic Terms (Results)



CLARIFICATION OF GENETIC TESTING

The goal of genetic testing is to provide breeders with relevant information to improve breeding practices in the interest of animal health. However, genetic inheritance is not a simple process, and may be complicated by several factors. Below is some information to help clarify these factors.

The goal of genetic testing is to provide breeders with relevant information to improve breeding practices in the interest of animal health. However, genetic inheritance is not a simple process, and may be complicated by several factors. Below is some information to help clarify these factors.

- 1) Some diseases may demonstrate signs of what Geneticists call "genetic heterogeneity". This is a term to describe an apparently single condition that may be caused by more than one mutation and/or gene
- 2) It is possible that there exists more than one disease that presents in a similar fashion and segregates in a single breed. These conditions -although phenotypically similar - may be caused by separate mutations and/or genes.
- 3) It is possible that the disease affecting your breed may be what Geneticists call an "oligogenic disease". This is a term to describe the existence of additional genes that may modify the action of a dominant gene associated with a disease. These modifier genes may for example give rise to a variable age of onset for a particular condition, or affect the penetrance of a particular mutation such that some animals may never develop the condition.

The range of hereditary diseases continues to increase and we see some that are relatively benign and others that can cause severe and/or fatal disease. Diagnosis of any disease should be based on pedigree history, clinical signs, history (incidence) of the disease and the specific genetic test for the disease. Penetrance of a disease will always vary not only from breed to breed but within a breed, and will vary with different diseases. Factors that influence penetrance are genetics, nutrition and environment. Although genetic testing should be a priority for breeders, we strongly recommend that temperament and phenotype also be considered when breeding.

Orivet Genetic Pet Care aims to frequently update breeders with the latest research from the scientific literature. If breeders have any questions regarding a particular condition, please contact us on (03) 9534 1544 or admin@orivet.com and we will be happy to work with you to answer any relevant questions.

