



Dog photos (0)

BREED Labrador Retriever		MIX No	CALL NAME JEDDA
REGISTERED <input checked="" type="checkbox"/>	REGISTRATION ID SR86014901	REGISTERED NAME HUNT IT UP JEDDA	
DATE OF BIRTH 2014-12-31	GENDER Female		NEUTERED <input type="checkbox"/>

Symbols:

CARRIER	AT RISK	NO CALL
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Discovered by Genoscooper and Mars Veterinary

Known Disorders in the Breed

DISORDER Centronuclear Myopathy, (CNM); mutation originally found in Labrador Retriever			CLEAR
TYPE Muscular Disorders	MODE OF INHERITANCE Autosomal Recessive	GENOTYPE -/-	
SEVERITY Considerable	PREVALENCE (WITHIN BREED) 6.17%	PREVALENCE (ALL DOGS) < 1%	

DISORDER Congenital Myasthenic Syndrome (CMS); mutation originally found in Labrador Retriever			CLEAR
TYPE Neuromuscular Disorders	MODE OF INHERITANCE Autosomal Recessive	GENOTYPE T/T	
SEVERITY	PREVALENCE (WITHIN BREED)	PREVALENCE (ALL DOGS)	

Severe	< 1%	< 1%
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DISORDER		CLEAR
Degenerative Myelopathy, (DM)		
TYPE	MODE OF INHERITANCE	GENOTYPE
Neurologic Disorders	Autosomal Recessive (Incomplet...	G/G
SEVERITY	PREVALENCE (WITHIN BREED)	PREVALENCE (ALL DOGS)
Considerable	< 1%	10.13%

DISORDER		CLEAR
Exercise-Induced Collapse, (EIC)		
TYPE	MODE OF INHERITANCE	GENOTYPE
Neuromuscular Disorders	Autosomal Recessive (Incomplet...	G/G
SEVERITY	PREVALENCE (WITHIN BREED)	PREVALENCE (ALL DOGS)
Moderate	30.04%	1.84%

DISORDER		CLEAR
Golden Retriever Progressive Retinal Atrophy 2, (GR_PRA 2)		
TYPE	MODE OF INHERITANCE	GENOTYPE
Ocular Disorders	Autosomal Recessive	-/-
SEVERITY	PREVALENCE (WITHIN BREED)	PREVALENCE (ALL DOGS)
Moderate	< 1%	< 1%

DISORDER		CLEAR
Hereditary Elliptocytosis		
TYPE	MODE OF INHERITANCE	GENOTYPE
Blood Disorders		C/C
SEVERITY	PREVALENCE (WITHIN BREED)	PREVALENCE (ALL DOGS)
Mild	< 1%	< 1%

DISORDER		CLEAR
Hyperuricosuria, (HUU)		
TYPE	MODE OF INHERITANCE	GENOTYPE
Renal Disorders	Autosomal Recessive	G/G
SEVERITY	PREVALENCE (WITHIN BREED)	PREVALENCE (ALL DOGS)
Mild	< 1%	2.56%

DISORDER		CLEAR
Narcolepsy; mutation originally found in Labrador Retriever		
TYPE	MODE OF INHERITANCE	GENOTYPE
Other Disorders	Autosomal Recessive	G/G
SEVERITY	PREVALENCE (WITHIN BREED)	PREVALENCE (ALL DOGS)
Moderate	< 1%	< 1%

DISORDER		CLEAR
Skeletal Dysplasia 2, (SD2)		
TYPE	MODE OF INHERITANCE	GENOTYPE
Skeletal Disorders	Autosomal Recessive	G/G
SEVERITY	PREVALENCE (WITHIN BREED)	PREVALENCE (ALL DOGS)
Mild	3.43%	< 1%

140 additional disease mutations found in other breeds were also tested. **No findings for this dog.**

Why are these disorders tested?

Show Results for All Tested Disorders ▾

A majority of the tested genetic disorders follow either a recessive (autosomal or X-linked) or dominant pattern of inheritance. The results are reported as 'Clear', 'Carrier' or 'At risk' for recessively and 'Clear' or 'At risk' for dominantly inherited disorders.

The genotype column shows the actual genotype of your dog at the measured site (locus) of the genome. At each site, your dog carries two alleles (genetic variants), separated by a forward slash: one inherited from its dam, and the other from its sire. E.g. for a dominantly inherited disorder, this column reveals whether an affected dog is heterozygous or homozygous for the disease mutation (i.e., carries one or two copies of it). Without examination of the parents' genomes, it is not possible to tell which one of the alleles is inherited from the dam and which from the sire.

Please read the disease descriptions carefully, should your dog turn out to be a carrier or at risk and share this information also with your veterinarian.

In particular, note that any condition may exhibit incomplete penetrance on the phenotypic level, and the onset, expression and progressivity of the disease may be influenced by other genetic and environmental factors. For instance, not all dogs with the result 'At risk' will necessarily manifest the condition.

Note that the disease severity rating presented here is only suggestive and it should not be used for other purposes. Always consult your veterinarian for the most accurate information on your dog's health status and available treatment options.

RECOMMENDED READING

» **Panel Testing of Canine Inherited Disorders Provides Great Opportunities, But Requires a New Level of Information Management** (<http://www.mydogdna.com/blog/panel-testing-canine-inherited-disorders-provides-great-opportunities-requires-new-level>)

» **Introduction to panel testing of canine inherited disorders and reporting of the test results** (<http://www.mydogdna.com/blog/introduction-mydogdna-panel-testing-canine-inherited-disorders-and-reporting-test-results>)

» **Genome-wide analysis identifies carriers of a known bleeding disorder in Finnish Hounds and Welsh Springer Spaniels** (<http://www.mydogdna.com/blog/mydogdna-genome-wide-analysis-identifies-carriers-bleeding-disorder-finnish-hounds-and-welsh>)

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