

Dog Information

Eromit's Ice Ice Baby (Vanilla)
NAME

Female
SEX

Labrador Retriever
GENETIC BREED

December 21st, 2015
DATE OF BIRTH

Canadian Kennel Club: CY637010
REGISTRATION
















n/a
MICROCHIP

Erin Lynes
OWNER NAME




Canine Genetic Health Screen
TEST

September 26th, 2019
TEST DATE

BREED HEALTH TESTS

DISEASE	GENE	GENOTYPE	RESULT	
Centronuclear Myopathy	PTPLA	NN	Clear	
Congenital Macrothrombocytopenia	TUBB1 Exon 1 SNP 745	GG	Clear	
Degenerative Myelopathy	SOD1	GG	Clear	
Exercise-Induced Collapse	DNM1	GG	Clear	
Hereditary Nasal Parakeratosis	SUV39H2	GG	Clear	
Hyperuricosuria and Hyperuricemia or Urolithiasis	SLC2A9 (Exon 5)	CC	Clear	
Narcolepsy	HCRTR2	AA	Clear	
Oculoskeletal Dysplasia 1, Dwarfism-Retinal Dysplasia	COL9A3 (Exon 1)	NN	Clear	
Progressive Retinal Atrophy - prcd	PRCD Exon 1	GG	Clear	
Pyruvate Kinase Deficiency	PKLR Exon 7 SNP Variant 1	CC	Clear	
Skeletal Dysplasia 2	COL11A2	GG	Clear	
Achromatopsia	CNGA3 (Exon 7 Deletion)	NN	Clear	
Canine Elliptocytosis	SPTB Exon 30	CC	Clear	
Congenital Myasthenic Syndrome	COLQ (Exon 14)	TT	Clear	
Golden Retriever Progressive Retinal Atrophy 2	TTC8 Exon 8	NN	Clear	

BREED HEALTH TESTS

DISEASE	GENE	GENOTYPE	RESULT	
Macular Corneal Dystrophy (MCD)	CHST6	CC	Clear	
Myotubular Myopathy 1, X-linked Myotubular Myopathy	MTM1 (Exon 7)	CC	Clear	
Progressive Retinal Atrophy - crd4/cord1	RPGRIP1 (Exon 2)	NN	Clear	

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TRAIT TESTS (1/2)

Coat Color		RESULT
E Locus (MC1R)	Can have a melanistic mask	E ^m E
K Locus (CBD103)	More likely to have a mostly solid black or brown coat	K ^B K ^B
A Locus (ASIP)	Not expressed	a ⁺ a ^t
D Locus (MLPH)	Dark areas of hair and skin are not lightened	DD
B Locus (TYRP1)	Brown hair and skin	bb
Saddle Tan (RALY)	Not expressed	ll
M Locus (PMEL)	No merle alleles	mm
Other Coat Traits		RESULT
Furnishings (RSPO2) LINKAGE	Likely unfurnished (no mustache, beard, and/or eyebrows)	ll
Coat Length (FGF5)	Likely short or mid-length coat	GG
Shedding (MC5R)	Likely heavy/seasonal shedding	CC
Coat Texture (KRT71)	Likely straight coat	CC
Hairlessness (SGK3)	Very unlikely to be hairless	NN
Hairlessness (FOXI3) LINKAGE	Very unlikely to be hairless	NN
Oculocutaneous Albinism Type 2 (SLC45A2) LINKAGE	Likely not albino	NN
Other Body Features		RESULT
Muzzle Length (BMP3)	Likely medium or long muzzle	CC
Tail Length (T)	Likely normal-length tail	CC

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TRAIT TESTS (2/2)

Body Size		RESULT
Body Size (IGF1)	Intermediate	NI
Body Size (IGFR1)	Larger	GG
Body Size (STC2)	Intermediate	TA
Body Size (GHR - E195K)	Intermediate	GA
Body Size (GHR - P177L)	Larger	CC

Performance		RESULT
Altitude Adaptation (EPAS1)	Normal altitude tolerance	GG

Genetic Diversity		RESULT
Coefficient Of Inbreeding		19%
MHC Class II - DLA DRB1		No Diversity
MHC Class II - DLA DQA1 and DQB1		Low Diversity