

## Dog Information

**Sterling Angel Oakley**  
NAME

**Female**  
SEX

**Labrador Retriever**  
GENETIC BREED

**October 12th, 2018**  
DATE OF BIRTH

**n/a**  
REGISTRATION
















**n/a**  
MICROCHIP

**Tracy Illig**  
OWNER NAME

**Canine Genetic Health Screen**  
TEST

**October 3rd, 2020**  
TEST DATE

## BREED HEALTH TESTS

DISEASE	GENE	GENOTYPE	RESULT	
Centronuclear Myopathy	PTPLA	NN	Clear	
Degenerative Myelopathy, DM	SOD1	GG	Clear	
Exercise-Induced Collapse	DNM1	GG	Clear	
Hereditary Nasal Parakeratosis	SUV39H2	GG	Clear	
Hyperuricosuria and Hyperuricemia or Urolithiasis, HUU	SLC2A9 (Exon 5)	CC	Clear	
Macular Corneal Dystrophy, MCD	CHST6	CC	Clear	
Narcolepsy	HCRTR2	AA	Clear	
Progressive Retinal Atrophy, prcd	PRCD Exon 1	GG	Clear	
Pyruvate Kinase Deficiency	PKLR Exon 7 SNP Variant 1	CC	Clear	
Skeletal Dysplasia 2, SD2	COL11A2	GG	Clear	
Achromatopsia	CNGA3 (Exon 7 Deletion)	NN	Clear	
Alexander Disease	GFAP (Exon 4)	GG	Clear	
Canine Elliptocytosis	SPTB Exon 30	CC	Clear	
Congenital Myasthenic Syndrome	COLQ (Exon 14)	TT	Clear	
Golden Retriever Progressive Retinal Atrophy 2, GR-PRA2	TTC8 Exon 8	NN	Clear	

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## BREED HEALTH TESTS

DISEASE	GENE	GENOTYPE	RESULT	
<b>Myotubular Myopathy 1, X-linked Myotubular Myopathy, XL-MTM</b>	<b>MTM1 (Exon 7)</b>	<b>CC</b>	<b>Clear</b>	
<b>Progressive Retinal Atrophy - crd4/cord1</b>	<b>RPGRIP1 (Exon 2)</b>	<b>NN</b>	<b>Clear</b>	

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## INBREEDING AND DIVERSITY

Genetic Diversity	RESULT
Inbreeding	27%
Immune Response 1	High Diversity
Immune Response 2	High Diversity

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## TRAIT TESTS (1/2)

Base Coat Color		RESULT
Dark or Light Fur <i>E (Extension) Locus</i>	Can have dark fur	EE
Red Pigment Intensity LINKAGE <i>I (Intensity) Loci</i>	No impact on coat pattern	Dilute Red Pigmentation
Brown or Black Pigment <i>B (Brown) Locus</i>	Brown fur and skin	bb
Color Dilution <i>D (Dilute) Locus</i>	Fur and skin have lighter (dilute) coloration	dd
Coat Color Modifiers		RESULT
Hidden Patterning <i>K (Dominant Black) Locus</i>	More likely to have a mostly solid black or brown fur coat	K <sup>B</sup> K <sup>B</sup>
Body Pattern <i>A (Agouti) Locus</i>	No impact on coat pattern	a <sup>t</sup> a <sup>t</sup>
Facial Fur Pattern <i>E (Extension) Locus</i>	No dark mask or grizzle facial fur patterns	EE
Saddle Tan	No impact on coat pattern	II
White Spotting <i>S (White Spotting) Locus</i>	Likely to have little to no white in coat	SS
Merle <i>M (Merle) Locus</i>	Unlikely to have merle pattern	mm
Harlequin	No impact on coat pattern	hh
Other Coat Traits		RESULT

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## TRAIT TESTS (2/2)

Other Body Features		RESULT
Muzzle Length	Likely medium or long muzzle	CC
Tail Length	Likely normal-length tail	CC
Hind Dew Claws	Unlikely to have hind dew claws	CC
Back Muscling & Bulk (Large Breed)	Likely normal muscling	CC
Eye Color LINKAGE	Less likely to have blue eyes	NN

Body Size		RESULT
Body Size 1	Larger	NN
Body Size 2	Larger	GG
Body Size 3	Intermediate	TA
Body Size 4	Intermediate	GA
Body Size 5	Larger	CC