

Dog Information

Pro	Male
NAME	SEX
Golden Retriever	--
GENETIC BREED	DATE OF BIRTH
n/a	n/a
REGISTRATION	MICROCHIP

Alicia Gaynor

OWNER NAME










Canine Genetic Health Screen

TEST

August 30th, 2020

TEST DATE

BREED HEALTH TESTS

DISEASE	GENE	GENOTYPE	RESULT	
Degenerative Myelopathy, DM	SOD1	GG	Clear	
Golden Retriever Progressive Retinal Atrophy 1, GR-PRA1	SLC4A3 Exon 16	NN	Clear	
Golden Retriever Progressive Retinal Atrophy 2, GR-PRA2	TTC8 Exon 8	NN	Clear	
Ichthyosis	PNPLA1 (Exon 8)	AAC/AAC	Clear	
Muscular Dystrophy	DMD	AY	Clear	
Progressive Retinal Atrophy, prcd	PRCD Exon 1	GG	Clear	
Dystrophic Epidermolysis Bullosa	COL7A1 (Exon 68)	GG	Clear	
Neuronal Ceroid Lipofuscinosis	CLN5 (Exon 4 Deletion)	NN	Clear	
Osteogenesis Imperfecta, Brittle Bone Disease	COL1A1 (Exon 18)	GG	Clear	

Dog Information ✨

Pro
NAME**INBREEDING AND DIVERSITY**

Genetic Diversity	RESULT
Coefficient Of Inbreeding	35%
MHC Class II - DLA DRB1	High Diversity
MHC Class II - DLA DQA1 and DQB1	High Diversity

Dog Information ✦

Pro
NAME

TRAIT TESTS (1/2)

Coat Color		RESULT
E Locus (MC1R)	No dark hairs anywhere	ee
K Locus (CBD103)	Not expressed	K ^B k ^Y
A Locus (ASIP)	Not expressed	a ^t a ^t
D Locus (MLPH)	Not expressed	DD
B Locus (TYRP1)	Likely black colored nose/feet	BB
Saddle Tan (RALY)	Not expressed	NN
M Locus (PMEL)	No merle alleles	mm
H Locus (Harlequin)	No harlequin alleles	hh
Other Coat Traits		RESULT
Furnishings (RSPO2) LINKAGE	Likely unfurnished (no mustache, beard, and/or eyebrows)	II
Coat Length (FGF5)	Likely long coat	TT
Shedding (MC5R)	Likely heavy/seasonal shedding	CT
Coat Texture (KRT71)	Likely straight coat	CC
Hairlessness (FOXI3) LINKAGE	Very unlikely to be hairless	NN
Hairlessness (SGK3)	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

Dog Information ✦

Pro
NAME

TRAIT TESTS (2/2)

Body Size		RESULT
Body Size (IGF1)	Larger	NN
Body Size (IGFR1)	Larger	GG
Body Size (STC2)	Smaller	AA
Body Size (GHR - E191K)	Intermediate	GA
Body Size (GHR - P177L)	Larger	CC

Performance		RESULT
Altitude Adaptation (EPAS1)	Normal altitude tolerance	GG
Appetite (POMC) LINKAGE	Normal food motivation	NN