

Dog Information

Tramin Ethnic Style (Ginger)
NAME

Female
SEX

Golden Retriever
GENETIC BREED

April 12th, 2017
DATE OF BIRTH

AKC: SS13666101
REGISTRATION










900085000166252
MICROCHIP

Hope Service Dogs, Inc
OWNER NAME

Canine Genetic Health Screen
TEST

June 12th, 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)	ACC/TACTACTA	1 Variant	
Muscular Dystrophy	DMD	AA	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

Tramin Ethnic Style (Ginger)

NAME

INBREEDING AND DIVERSITY

Genetic Diversity	RESULT
Coefficient Of Inbreeding	30%
MHC Class II - DLA DRB1	No Diversity
MHC Class II - DLA DQA1 and DQB1	Low Diversity

Dog Information ✦

Tramin Ethnic Style (Ginger)
NAME

TRAIT TESTS (1/2)

Coat Color		RESULT
E Locus (MC1R)	No dark hairs anywhere	ee
K Locus (CBD103)	Not expressed	K ^B k ^γ
Intensity Loci LINKAGE		No Call
A Locus (ASIP)	Not expressed	a ^t a ^t
D Locus (MLPH)		No Result
B Locus (TYRP1)	Likely black colored nose/feet	BB
Saddle Tan (RALY)	Not expressed	II
S Locus (MITF)	Likely to have little to no white in coat	SS
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
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
Coat Texture (KRT71)	Likely straight coat	CC

Dog Information ✦

Tramin Ethnic Style (Ginger)

NAME

TRAIT TESTS (2/2)

Body Size		RESULT
Body Size (IGF1)	Larger	NN
Body Size (IGFR1)	Larger	GG
Body Size (STC2)	Larger	TT
Body Size (GHR - E191K)	Larger	GG
Body Size (GHR - P177L)	Larger	CC

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