

Dog Information ☆

Short Acres Neverending Story (Falkor) NAME	Male SEX
Beagle GENETIC BREED	August 10th, 2018 DATE OF BIRTH
AKC: HP56045201 REGISTRATION	956000009982481 MICROCHIP

Laura Short
OWNER NAME

Canine Genetic Health Screen
TEST

October 26th, 2018
TEST DATE

BREED HEALTH TESTS

DISEASE	GENE	GENOTYPE	RESULT	
Cerebellar Abiotrophy, Neonatal Cerebellar Cortical Degeneration	SPTBN2	NN	Clear	
Degenerative Myelopathy	SOD1	GG	Clear	
Factor VII Deficiency	F7 Exon 5	GA	Carrier	
Glaucoma	ADAMTS10	GG	Clear	
Imerslund-Grasbeck Syndrome, Selective Cobalamin Malabsorption	CUBN (Exon 8)	NN	Clear	
Musladin-Lueke Syndrome	ADAMTSL2 (Exon 7)	CC	Clear	
Pyruvate Kinase Deficiency	PKLR Exon 7 SNP Variant 3	GG	Clear	
Fetal-Onset Neonatal Neuroaxonal Dystrophy	MFN2	NN	Clear	
Hypocatalasia, Acatalasemia	CAT	GG	Clear	
Osteogenesis Imperfecta, Brittle Bone Disease	COL1A2	NN	Clear	
Progressive Retinal Atrophy - crd4/cord1	RPGRIPI (Exon 2)	NN	Clear	

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TRAIT TESTS (1/2)

Coat Color	GENOTYPE
E Locus (Mask, Grizzle, Recessive Red)	Ee
K Locus (Dominant Black)	k ^y k ^y
A Locus (Agouti, Sable)	a ^t a ^t
D Locus (Dilute, Blue, Fawn)	DD
B Locus (Brown, Chocolate, Liver, Red)	BB

Other Coat Traits	GENOTYPE
Furnishings / Improper Coat (RSP02)	II
Long Haircoat (FGF5)	GG
Shedding (MC5R)	CC
Curly Coat (KRT71)	CC
Hairlessness (FOXI3)	N/N
Oculocutaneous Albinism Type 2 - OCA2, Doberman Z Factor Albinism (SLC45A2)	N/N

Body Size	GENOTYPE
Body Size - IGF1	II
Body Size - IGF1R	GG
Body Size - STC2	TT
Body Size - GHR (E195K)	AA
Body Size - GHR (D1771)	CC

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TRAIT TESTS (2/2)

Other Body Features	GENOTYPE
Brachycephaly (BMP3)	CC
Natural Bobtail (T)	CC
Hind Dewclaws (LMBR1)	CC
Blue Eye Color	N/N

Performance	GENOTYPE
Altitude Adaptation (EPAS1)	GG

Genetic Diversity	RESULT
Inbreeding Coefficient	24%
MHC Class II - DLA DRB1	No Diversity
MHC Class II - DLA DQA1 and DQB1	No Diversity