

Dog Information

Short Acres A Whole New World (Jasmine) Female
 NAME SEX

Beagle March 11th, 2019
 GENETIC BREED DATE OF BIRTH

AKC: HP57313001 956000009983860
 REGISTRATION MICROCHIP

Laura Short
 OWNER NAME

Canine Genetic Health Screen
 TEST

July 26th, 2019
 TEST DATE

BREED HEALTH TESTS

DISEASE	GENE	GENOTYPE	RESULT	
Cerebellar Abiotrophy, Neonatal Cerebellar Cortical Degeneration, NCCD	SPTBN2	NN	Clear	
Degenerative Myelopathy, DM	SOD1	GG	Clear	
Factor VII Deficiency	F7 Exon 5	GG	Clear	
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	
Chondrodystrophy and Intervertebral Disc Disease, CDDY/IVDD, Type I IVDD	FGF4 - chr12	I/I	At Risk	
Fetal-Onset Neonatal Neuroaxonal Dystrophy	MFN2	NN	Clear	
Hypocatalasia, Acatalasemia	CAT	GA	Carrier	
Osteogenesis Imperfecta, Brittle Bone Disease	COL1A2	NN	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)	No dark mask or grizzle	Ee
K Locus (CBD103)	More likely to have a patterned haircoat	k ^y k ^y
A Locus (ASIP)	Black/Brown and tan coat color pattern	a ^t a ^t
D Locus (MLPH)	Dark areas of hair and skin are not lightened	DD
B Locus (TYRP1)	Black or gray hair and skin	BB
Saddle Tan (RALY)	Likely saddle tan patterned	NN
M Locus (PMEL)	No merle alleles	mm
Other Coat Traits		RESULT
Furnishings (RSP02) LINKAGE	Likely unfurnished (no mustache, beard, and/or eyebrows)	II
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)	Smaller	II
Body Size (IGFR1)	Larger	GG
Body Size (STC2)	Larger	TT
Body Size (GHR - E195K)	Smaller	AA
Body Size (GHR - P177L)	Larger	CC

Performance		RESULT
Altitude Adaptation (EPAS1)	Normal altitude tolerance	GG

Genetic Diversity		RESULT
Coefficient Of Inbreeding		11%
MHC Class II - DLA DRB1		High Diversity
MHC Class II - DLA DQA1 and DQB1		High Diversity