




Dog Information

Hula Moon's Ain't She Sweet (A Litter Pink Female Girl)
 NAME
 SEX
 White Shepherd
 GENETIC BREED
 April 29th, 2020
 DATE OF BIRTH
 n/a
 REGISTRATION
 n/a
 MICROCHIP

Kiah Y Moross
 OWNER NAME
 Canine Genetic Health Screen
 TEST
 June 5th, 2020
 TEST DATE

BREED HEALTH TESTS

DISEASE	GENE	GENOTYPE	RESULT
Canine Leukocyte Adhesion Deficiency Type III, CLAD3	FERMT3	NN	Clear 
Degenerative Myelopathy, DM	SOD1	GG	Clear 
MDR1 Drug Sensitivity	ABCB1	NN	Clear 
Achromatopsia	CNGA3 (Exon 7 SNP)	CC	Clear
Factor VIII Deficiency, Hemophilia A	F8 Exon 1	GG	Clear
Factor VIII Deficiency, Hemophilia A	F8 Exon 11	GG	Clear
Hyperuricosuria and Hyperuricemia or Urolithiasis, HUU	SLC2A9 (Exon 5)	CC	Clear
Mucopolysaccharidosis Type VII, Sly Syndrome, MPS VII	GUSB	GG	Clear
Platelet factor X receptor deficiency, Scott Syndrome	TMEM16F	GG	Clear
Renal Cystadenocarcinoma and Nodular Dermatofibrosis, RCND	FLCN	GG	Clear
X-linked Ectodermal Dysplasia, Anhidrotic Ectodermal Dysplasia	EDA	GG	Clear

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INBREEDING AND DIVERSITY

	RESULT
Genetic Diversity	
Coefficient Of Inbreeding	30%
MHC Class II - DLA DRB1	High Diversity
MHC Class II - DLA DQA1 and DQB1	High Diversity

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TRAIT TESTS (1/2)

Coat Color		RESULT
E Locus (MC1R)	No dark hairs anywhere	ee
K Locus (CBD103)	Not expressed	k ^Y k ^Y
A Locus (ASIP)	Not expressed	a ^t a
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
Other Coat Traits		
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	CC
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		
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

Body Size (IGF1)

Larger **NN**

Body Size (IGFR1)

Larger **GG**

Body Size (STC2)

Larger **TT**

Body Size (GHR - E191K)

Intermediate **GA**

Body Size (GHR - P177L)

Larger **CC**

Performance

Altitude Adaptation (EPAS1)

Normal altitude tolerance **GG**

Appetite (POMC) LINKAGE

Normal food motivation **NN**