

Dog Information

Aruff's Playboy (Playboy)	Male
NAME	SEX
Siberian Husky	August 7th, 2021
BREED ANCESTRY	DATE OF BIRTH
American Kennel Club (AKC) WS73755501	933-000-320-488-507
REGISTRATION	MICROCHIP

Sharon Krotzer
OWNER NAME

Canine Genetic Health Screen
TEST

February 8th, 2022
TEST DATE

BREED HEALTH TESTS

DISEASE	GENE	GENOTYPE	RESULT	TESTING RECOMMENDED BY
Degenerative Myelopathy, DM	SOD1A	GG	Clear	
GM1 Gangliosidosis	GLB1 (Exon 15)	NN	Clear	
X-Linked Progressive Retinal Atrophy 1, XL-PRA1	RPGR (Exon 15)	NY	Clear	
Day Blindness, Cone Degeneration, Achromatopsia	CNGB3	NN	Clear	

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TRAIT TESTS (1/3)

Coat Color	RESULT	GENETIC RESULT
E Locus (MC1R)	No dark mask or grizzle	EE
K Locus (CBD103)	More likely to have a patterned haircoat	k ^Y k ^Y
Intensity Loci	Any light hair likely white or cream	Dilute Red Pigmentation
A Locus (ASIP)	Agouti (Wolf Sable) coat color pattern	a ^w a ^t
D Locus (MLPH)	Dark areas of hair and skin are not lightened	DD
Cocoa (HPS3)	No co alleles, not expressed	NN
B Locus (TYRP1)	Brown hair and skin	bb
Saddle Tan (RALY)	Not expressed	NN
S Locus (MITF)	Likely flash, parti, piebald, or extreme white	spsp
M Locus (PMEL)	No merle alleles	mm
R Locus (USH2A)	Likely no impact on coat pattern	rr

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TRAIT TESTS (2/3)

	RESULT	GENETIC RESULT
Coat Color		
H Locus (Harlequin)	No harlequin alleles	hh
Other Coat Traits		
Furnishings (RSP02)	Likely unfurnished (no mustache, beard, and/or eyebrows)	II
Coat Length (FGF5)	Likely short or mid-length coat	ShSh
Shedding (MC5R)	Likely heavy/seasonal shedding	CC
Coat Texture (KRT71)	Likely straight coat	CC
Hairlessness (FOXI3)	Very unlikely to be hairless	NN
Hairlessness (SGK3)	Very unlikely to be hairless	NN
Oculocutaneous Albinism Type 2 (SLC45A2)	Likely not albino	NN
Other Body Features		
Muzzle Length (BMP3)	Likely medium or long muzzle	CC
Tail Length (T)	Likely normal-length tail	CC
Hind Dewclaws (LMBR1)	Unlikely to have hind dew claws	CC

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TRAIT TESTS (3/3)

Other Body Features		RESULT	GENETIC RESULT
Blue Eye Color (ALX4)	Likely to have blue eyes or partial blue eyes	NDup	
Back Muscling & Bulk, Large Breed (ACSL4)	Likely normal muscling	CC	
Body Size		RESULT	GENETIC 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	GENETIC RESULT
Altitude Adaptation (EPAS1)	Normal altitude tolerance	GG	
Appetite (POMC)	Normal food motivation	NN	