

Dog Information

Blowing Feathers Standing Squaw (Skye)	Female
NAME	SEX
German Shorthaired Pointer	May 14th, 2019
BREED ANCESTRY	DATE OF BIRTH
American Kennel Club (AKC) SS12077006	n/a
REGISTRATION	MICROCHIP

Josiah Cook
OWNER NAME

Canine Genetic Health Screen
TEST

April 2nd, 2024
TEST DATE

BREED HEALTH TESTS

DISEASE	GENE	GENOTYPE	RESULT	TESTING RECOMMENDED BY
Day Blindness, Cone Degeneration, Achromatopsia	CNGB3 (Exon 6)	GG	Clear	
Degenerative Myelopathy, DM	SOD1A	GG	Clear	
Von Willebrand Disease Type II, Type II vWD	VWF	TT	Clear	
Hereditary Sensory Autonomic Neuropathy, Acral Mutilation Syndrome, AMS	GNDF-AS	CC	Clear	
Neuronal Ceroid Lipofuscinosis 8, NCL 8	CLN8	GG	Clear	

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INBREEDING AND DIVERSITY

Genetic Diversity	RESULT	GENETIC RESULT
Coefficient Of Inbreeding		12%
MHC Class II - DLA DRB1		Low Diversity
MHC Class II - DLA DQA1 and DQB1		Low Diversity

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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 mostly solid black or brown coat	K ^B K ^B
Intensity Loci	No impact on coat pattern	Intermediate Red Pigmentation
A Locus (ASIP)	Not expressed	a ⁺ a
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	ll
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)

Coat Color	RESULT	GENETIC RESULT
H Locus (Harlequin)	No harlequin alleles	hh
Panda White Spotting	Not expected to display Panda pattern	NN

Other Coat Traits	RESULT	GENETIC RESULT
Furnishings (RSP02)	Likely unfurnished (no mustache, beard, and/or eyebrows)	II
Coat Length (FGF5)	Likely short or mid-length coat	ShSh
Shedding (MC5R)	Likely light shedding	TT
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	RESULT	GENETIC RESULT
Muzzle Length (BMP3)	Likely medium or long muzzle	CC
Tail Length (T)	Likely normal-length tail	CC

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TRAIT TESTS (3/3)

Other Body Features		RESULT	GENETIC RESULT
Hind Dewclaws (LMBR1)	Unlikely to have hind dew claws	CC	
Chondrodysplasia (Chr. 18 FGF4 Retrogene)	Not indicative of chondrodysplasia (normal leg length)	NN	
Blue Eye Color (ALX4)	Less likely to have blue eyes	NN	
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)	Intermediate	TA	
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	