

Dog Information

NAME	Female
SEX	
BREED ANCESTRY	German Shepherd Dog
DATE OF BIRTH	June 23rd, 2024
REGISTRATION	American Kennel Club (AKC) DN79891808
	n/a
	MICROCHIP

Joel & Shannon Shupp

OWNER NAME

Canine Genetic Health Screen

TEST

November 3rd, 2025

TEST DATE

BREED HEALTH TESTS

To ensure completeness, this report includes all carrier and at risk results for this dog.

DISEASE	GENE	GENOTYPE	RESULT	TESTING RECOMMENDED BY
Canine Leukocyte Adhesion Deficiency Type III, CLAD III	FERMT3	NN	Clear	
Degenerative Myelopathy, DM	SOD1A	GG	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)	GG	Clear	
MDR1 Drug Sensitivity	ABCB1	NN	Clear	
Mucopolysaccharidosis Type VII, Sly Syndrome, MPS VII	GUSB	GG	Clear	
Achromatopsia	CNGA3 (Exon 7 SNP)	CC	Clear	
Ichthyosis	ASPRV1 Exon 2	TT	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, XHED	EDA	GG	Clear	
Copper Toxicosis (Accumulating)	ATP7B	AA	2 Variants	

Dog Information

Jinx (Jinx)

NAME

INBREEDING AND DIVERSITY

	RESULT	GENETIC RESULT
Genetic Diversity		
Coefficient Of Inbreeding		40%
MHC Class II - DLA DRB1		No Diversity
MHC Class II - DLA DQA1 and DQB1		No 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 patterned haircoat	k ^Y k ^Y
Intensity Loci	Any light hair likely yellow or tan	Intermediate Red Pigmentation
A Locus (ASIP)	Agouti (Wolf Sable) coat color pattern	a ^W 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)	Black or gray hair and skin	BB
Saddle Tan (RALY)	Not expressed	NI
S Locus (MITF)	Likely to have little to no white in coat	SS
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 (RSPO2)	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	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)	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