

Dog Information






Holiday (Holiday) NAME	Female SEX
German Shorthaired Pointer BREED ANCESTRY	April 1st, 2023 DATE OF BIRTH
American Kennel Club (AKC) SS40678404 REGISTRATION	n/a MICROCHIP

Josiah Cook
OWNER NAME

Canine Genetic Health Screen
TEST

November 3rd, 2025
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		8%
MHC Class II - DLA DRB1		High Diversity
MHC Class II - DLA DQA1 and DQB1		High 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 ^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	II
S Locus (MITF)	Likely flash, parti, piebald, or extreme white	spsp
M Locus (PMEL)	No merle alleles	mm
R Locus (USH2A)	Likely roan patterned	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)	Intermediate	NI	
Body Size (IGFR1)	Intermediate	GA	
Body Size (STC2)	Larger	TT	
Body Size (GHR - E191K)	Intermediate	GA	
Body Size (GHR - P177L)	Larger	CC	
Performance		RESULT	GENETIC RESULT
Altitude Adaptation (EPAS1)	Normal altitude tolerance	GG	
Appetite (POMC)	Normal food motivation	NN	