

Dog Information












ATAKA NASHA COMANDA (ATAKA) NAME	Female SEX
White Shepherd BREED ANCESTRY	July 13th, 2021 DATE OF BIRTH
FCI: n/a REGISTRATION	n/a MICROCHIP

Taylor Gracie
OWNER NAME

Canine Genetic Health Screen
TEST

August 25th, 2021
TEST DATE

BREED HEALTH TESTS

DISEASE	GENE	GENOTYPE	RESULT	TESTING RECOMMENDED BY
Canine Leukocyte Adhesion Deficiency Type III, CLAD III	FERMT3	NN	Clear	
Degenerative Myelopathy, DM	SOD1(A)	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)	GG	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, XHED	EDA	GG	Clear	

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TRAIT TESTS (1/2)

Coat Color	RESULT	GENETIC RESULT
E Locus (MC1R)	No dark hairs anywhere	ee
K Locus (CBD103)	Not expressed	k ^y k ^y
Intensity Loci LINKAGE	Any pigmented hair likely white or cream	Dilute Red Pigmentation
A Locus (ASIP)	Not expressed	a ^t a ^t
D Locus (MLPH)	Not expressed	DD
Cocoa (HPS3)	No co alleles, not expressed	NN
B Locus (TYRP1)	Likely black colored nose/feet	BB
Saddle Tan (RALY)	Not expressed	NN
S Locus (MITF)	Likely to have little to no white in coat	SS
M Locus (PMEL)	No merle alleles	mm
R Locus (USH2A) LINKAGE	Likely no impact on coat pattern	RR
H Locus (Harlequin)	No harlequin alleles	hh
Other Coat Traits	RESULT	GENETIC RESULT
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
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
Coat Texture (KRT71)	Likely straight coat	CC

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TRAIT TESTS (2/2)

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) LINKAGE	Normal food motivation	NN