

AMERICAN KENNEL CLUB

NAME

PINE TREES SCHWARTZ KOENIG

NUMBER

TS47522806

BREED

PUG

COLOK

TS47522806 CAPTAIN PIGGYTAIL

DATE OF BIRTH

JULY 13, 2020



AMERICAN
KENNEL CLUB®

DAM

AUNT JAIMMA V

TS47522806 01-16 (AKC DNA V790783)

CERTIFICATE ISSUED

JANUARY 10, 2025

BREEDER

LAMAR GRABER

This certificate invalidates all previous certificates issued.

If a date appears after the name and number of the sire and dam, it indicates the issue of the StudBook Register in which the sire or dam is published.

For Transfer Instructions, see back of Certificate.

OWNER

MARVIN HUSTON

4883 SR 273 W

BELL CENTER OH 43310

revoke by the American Kennel Club.

REGISTRATION CERTIFICATE

Genetic Summary Report

Animal Name: J a c k

Owner:

Marvin Huston

Membership Number : Not assigned

Member Body/Breed Club: Not assigned

Approved Collection Method: No





Scan to authenticate
this Report online

Genetic Summary Report

Owner's details

Name: Marvin Huston

Animal's Details

Registered Name :

Pet Name : Jack

Registration Number :

Breed: : Pug

Microchip Number : 956:000014298648

Sex: : Intact Male

Date of Birth : 13th Jul 2020

Colour :

Sample Collection Details

Case Number : 26FB20569

Collected By :

Approved Collection :

Sample Type : SWAB

Test Details

Test Requested Pug - Full Breed Profile

Pet Name : Jack

Date of Test : 14th Apr 2026

Authorisation

Sample with LabID Number 26FB20569 was received at Orivet Gen
the following result reported:



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Orivet Genetic Analyst





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Genetic Summary Report

Health Tests Reported

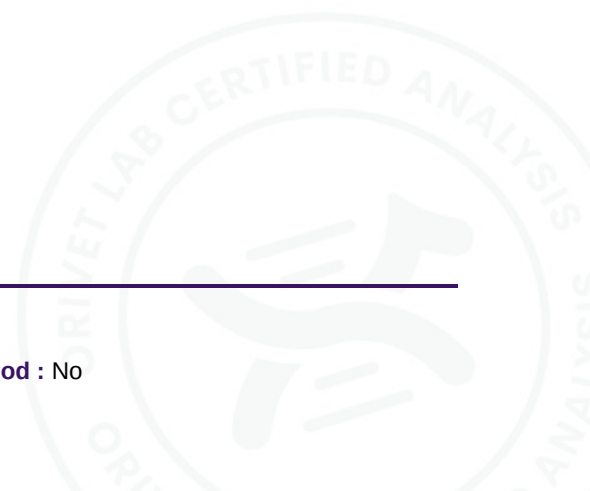
Breed Sens	Diseases	Result
✓	Airway Distress Syndrome (AIDS) (NR/NB) - [NO VARIANT DETECTED]	NORMAL (N/N) - [NO VARIANT DETECTED]
✓	Degenerative Myelopathy	NORMAL (N/N) - [NO VARIANT DETECTED]
✓	May-Hegglin Anomaly (Pug Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
✓	Necrotising Meningoencephalitis (NME) - [NO COPY OF THE PDE/NME ASSOCIATED RISK]	NORMAL (N/N) - [NO VARIANT DETECTED]
✓	Pug Dog Encephalitis, Variant	NORMAL (N/N) - [NO VARIANT DETECTED]
✓	Pug Dog Encephalitis, Variant	NORMAL (N/N) - [NO VARIANT DETECTED]
✓	Pyruvate Kinase Deficiency (PKD)	NORMAL (N/N) - [NO VARIANT DETECTED]
✓	Sex Determination - ZFX	DOG IS MALE
✓	von Willebrand's Disease Type 1	NORMAL (N/N) - [NO VARIANT DETECTED]
	Chondrodystrophy with Intervertebral Disc Disease Risk Factor (CDDY with IVDD)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Chondrodystrophy with Intervertebral Disc Disease Risk Factor (CDDY with IVDD)	CHONDRODYSTROPHY (CDDY) VARIANT DETECTED INCREASED IVDD RISK

Owner's Name : Marvin Huston

Pet Name : Jack

Microchip Number 956000014298648

Approved Collection Method : No





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Genetic Summary Report

Health Tests Reported

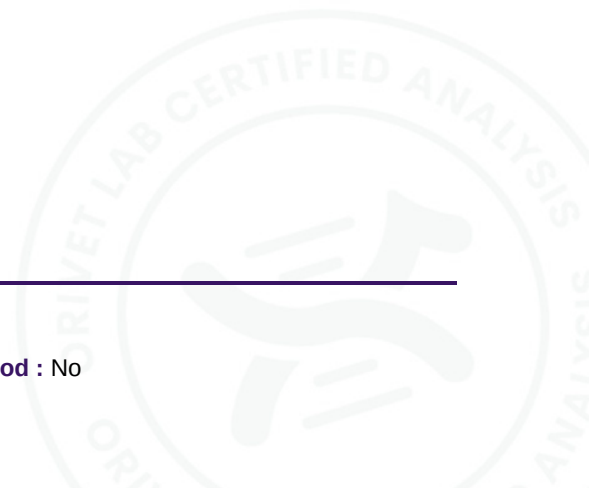
Breed Sens	Traits	Result
✓	A Locus (Agouti)	A ^y /A ^y - FAWN/RED or SABLE only PRODUCE any OFFSPRING
✓	B Locus - Bd, Bs, Bc [Various Breeds]	Bd/Bd BsBs] - DOES NOT CARRY BROWN/RED
✓	Curly Coat/Hair Variant 1	NEGATIVE FOR THE R151W (C1) VARIANT - NOT SHOWING PHENOTYPE
✓	D (Dilute) Locus	D/D - NO COPY OF MLPH-D ALLELE (DILUTE) - PIGMENT
✓	Dilute D2 Variant (Chow Chow Type)	D ² /D ² - NO COPY OF d2 ALLELE (DILUTE) - PIGMENT
✓	E Locus - (Cream/Red/Yellow)	E/E - DOMINANT BLACK DOES NOT CARRY YELLOW/RED
✓	EM (MC1R) Locus - Melanistic Mask	EM/EM - TWO MELANISTIC MASK ALLELES DEPENDS ON
✓	K Locus (Dominant Black)	K/K - DOMINANT BLACK - SOLID [WILL NOT BE BRINDLE AGOUTI]
✓	Long Hair Gene - L1 (Canine)	NEGATIVE - NO COPIES, NOT SHOWING THE PHENOTYPE
✓	Shedding (MC5R)	SHD/SHD [LOW SHEDDING] - NO COPIES OF THE SHEDDING VARIANT DETECTED [REFER TO FURNISHINGS (IC) FOR
	Brown TYRP1 [Lancashire Heeler Type]	DOES NOT CARRY BROWN/LIVER [TYRP1]
	Chondrodysplasia (CDPA)	NORMAL (N/N) - NO SHORTENED LEGS COMPARED TO
	Coat Composition CFA28 Gene	UDC/udc - ONE COPY OF THE DOUBLE COAT (DENSE PHENOTYPE DETECTED)
	M Locus (Merle/Dapple)	m/m [171/171bp] - NON MERLE SOLID COAT (NO CHANGING COLOUR)
	Oculocutaneous Albinism (Sine Type)	NEGATIVE - NO COPIES, NOT SHOWING THE PHENOTYPE
	Pied (BOTH SINE and REPEATS VARIANTS)	EBALD, WHITE SPOTTING, FLASH OR PAR

Owner's Name : Marvin Huston

Pet Name : Jack

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Approved Collection Method : No



Glossary of Genetic Terms (Results)



CLARIFICATION OF GENETIC TESTING

The goal of genetic testing is to provide breeders with relevant information to improve breeding practices in the interest of animal health. However, genetic inheritance is not a simple process, and may be complicated by several factors. Below is some information to help clarify these factors.

The goal of genetic testing is to provide breeders with relevant information to improve breeding practices in the interest of animal health. However, genetic inheritance is not a simple process, and may be complicated by several factors. Below is some information to help clarify these factors.

1) Some diseases may demonstrate signs of what Geneticists call "genetic heterogeneity". This is a term to describe an apparently single condition that may be caused by more than one mutation and/or gene

2) It is possible that there exists more than one disease that presents in a similar fashion and segregates in a single breed. These conditions -although phenotypically similar - may be caused by separate mutations and/or genes.

3) It is possible that the disease affecting your breed may be what Geneticists call an "oligogenic disease". This is a term to describe the existence of additional genes that may modify the action of a dominant gene associated with a disease. These modifier genes may for example give rise to a variable age of onset for a particular condition, or affect the penetrance of a particular mutation such that some animals may never develop the condition.

The range of hereditary diseases continues to increase and we see some that are relatively benign and others that can cause severe and/or fatal disease. Diagnosis of any disease should be based on

pedigree history, clinical signs, history (incidence) of the disease and the specific genetic test for the disease. Penetrance of a disease will always vary not only from breed to breed but within a breed, and will vary with different diseases. Factors that influence penetrance are genetics, nutrition and environment. Although genetic testing should be a priority for breeders, we strongly recommend that temperament and phenotype also be considered when breeding.

Orivet Genetic Pet Care aims to frequently update breeders with the latest research from the scientific literature. If breeders have any questions regarding a particular condition, please contact us on (03) 9534 1544 or admin@orivet.com and we will be happy to work with you to answer any relevant questions.

