

ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.

WOODLANDS SAPHIRE
registered name

FRENCH BULLDOG
breed

1068604
film/test/lab #

900215006393061
tattoo/microchip/DNA profile

2704290
application number

05/01/2026
date of report

RESULTS:

The 04/18/2026 exam finds this animal free of significant observable inherited eye disease. The Eye Certification Registry Number is valid for one year after the exam. Breeder option code(s): A3: Distichiasis, are potentially inherited conditions observed but not representing compromise of comfort, vision, or other ocular function.

NP86931901
registration no.

F
sex

08/22/2023
date of birth

31
age at evaluation in months



A Not-For-Profit Organization

FBU-EYE4045/31F-VPI
O.F.A. NUMBER

*This number issued with the right to correct or
revoke by the Orthopedic Foundation for Animals.*

NORMAL W/BREEDER OPTIONS NOTED

owner
RONNIE COBLENTZ
6827 CR 672
MILLERSBURG OH 44654

OFA eCert



Verify QR scan

G.G. Keller, DVM

G.G. KELLER, DVM, MS, DACVR
CHIEF OF VETERINARY SERVICES

www.ofa.org

This electronic OFA certificate was generated on: 05/01/2026

This certification can be verified on the OFA website by entering the animal's registration number into the orange search box located at the top of the page or by scanning the QR code above.

If there are any errors on this certificate, please email **CORRECTIONS@OFA.ORG** to request a correction.

Orthopedic Foundation for Animals, Inc.
2300 E. Nifong Blvd.
Columbia, MO 65201-3806

OFA website: www.ofa.org
E-mail address: ofa@ofa.org
Phone number: 573-442-0418
Fax number: 573-875-5073

DOG COAT COLOR / NATURAL BOBTAIL TEST REPORT

Provided Information:		Case: NCD249988	
Name:	WOODLANDS SAPHIRE	Date Received:	06-Feb-2025
Registration:		Report Issue Date:	12-Feb-2025
		Report ID:	0432-0364-7005-2164
		Verify report at vgl.ucdavis.edu/verify	
DOB: 08/22/2023 Sex: Female Breed: French Bulldog			
Sire:	MAXIMILLION	Dam:	EBONY
Reg:		Reg:	
Microchip:		Microchip:	

RESULT

INTERPRETATION

MC1R (E LOCUS)	E^m/E^m	2 copies of mask.
BROWN (B LOCUS)	B/B	Does not carry brown - cannot have brown offspring.
DILUTE (D LOCUS)	d^l/d^l	Dilute, 2 copies of the dilution variants.
DOMINANT BLACK (K LOCUS)	K/N	1 copy of dominant black is present. *
LEGACY AGOUTI	a/a	Homozygous for recessive black.
AGOUTI (A LOCUS)	ASIP^a/ASIP^a	Two copies of recessive black.
MERLE	N/N	No copies of the merle associated SINE insertion.
PIEBALD (S LOCUS)	N/N	Dog has no copies of piebald.
INTENSITY DILUTION	In/In	2 copies of intensity dilution. Red pigment is likely to be diluted to cream or white.
ALBINISM (LHASA APSO TYPE)	N/N	No copies of the variant associated with the albinism first identified in the Lhasa Apso.
COCOA	co/co	2 copies of the cocoa variant.

DOG COAT COLOR / NATURAL BOBTAIL TEST REPORT

Client/Owner/Agent Information: RONNIE COBLENTZ 6827 COUNTY ROAD 672 MILLERSBURG, OH 44654	Case: NCD249988 Date Received: 06-Feb-2025 Report Issue Date: 12-Feb-2025 Report ID: 0432-0364-7005-2164 Verify report at vgl.ucdavis.edu/verify
Name: WOODLANDS SAPHIRE	

Additional Information

If testing for a disease or a disorder was performed and results indicate the animal is affected or at risk, we recommend contacting your veterinarian for further clinical evaluation and for additional information on disease and management.

For more detailed information on Dog Coat Color test results, please visit our website at:
vgl.ucdavis.edu/resources/dog-coat-color

* This result is sometimes associated with the brindle pattern.
Agouti research is ongoing, and additional variation beyond the resolution of this test may exist.

For terms and conditions of testing, please see vgl.ucdavis.edu/about/terms-and-conditions

Results are determined using PCR-based methods. The results relate only to the sample tested as identified by the submitter (for example, identity and/or breed).

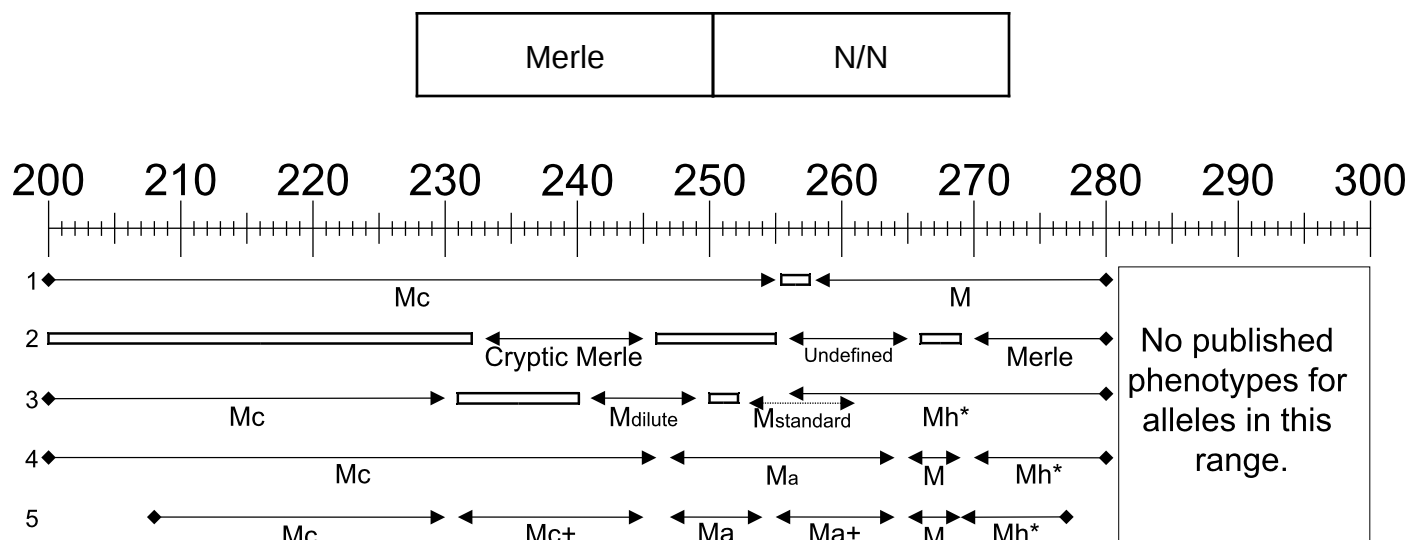
Report authorized by Dr. Rebecca Bellone, VGL Director

Veterinary Genetics Laboratory · University of California Davis · One Shields Ave · Davis, CA 95616
vgl.ucdavis.edu · (530) 752-2211

ADDITIONAL INFORMATION FOR MERLE RESULTS

Provided Information: Name: WOODLANDS SAPHIRE Registration:	Case: NCD249988 Date Received: 06-Feb-2025 Report Issue Date: 12-Feb-2025 Report ID: 0432-0364-7005-2164 Verify report at vgl.ucdavis.edu/verify
DOB: 08/22/2023 Sex: Female Breed: French Bulldog	
Sire: MAXIMILLION Reg: Microchip:	Dam: EBONY Reg: Microchip:

Several interpretations and nomenclatures for the Merle variant have been proposed. Below is a graphical display of the merle alleles detected and the publications that define these nomenclatures.



Open boxes represent unassigned size variants within a specific naming system.

¹Previous merle pattern result reported by the VGL.

Mc=200-255, M=258-280

²Merle pattern nomenclature defined by Clark et al. 2006.

³Merle pattern nomenclature defined by Murphy et al. 2018.

Mc=200-230, Mdilute=241-249, Mstandard=253-261, Mh=256-280

⁴Merle pattern nomenclature defined by Ballif et al. 2018.

Mc=200-246, Ma=247-264, M=265-269, Mh=270-280

⁵Merle pattern nomenclature defined by Langevin et al. 2018.

Mc=208-230, Mc+=231-245, Ma=247-254, Ma+=255-264, M=265-269, Mh=269-277

* Mh "harlequin" is not the true Great Dane Harlequin (H) identified by Clark et al. 2008.



Agouti: the ASIP (A) locus

The Agouti gene, also referred to as the **A locus** or **ASIP locus**, is a gene that controls where and when eumelanin (i.e. black/brown pigment) or phaeomelanin (i.e. red/yellow/tan pigment) is produced in the coat of dogs and other mammals. The old Agouti test (now referred to as Legacy Agouti) identified four alleles at the Agouti locus, but these alleles did not fully explain the different coat color phenotypes controlled by this gene. Recent research by Dr. Bannasch and colleagues has uncovered more of the complexity of dog coat color as it relates to the ASIP locus, allowing our laboratory to offer a more complete test to our clients.

The new Agouti test allows for the identification of eight haplotype combinations, and their correspondence to the Legacy Agouti alleles is shown below.

Note: The illustrations below portray examples of adult coat patterns. Puppy coats typically exhibit more eumelanin (black/brown pigment). For example, in puppies, the Black Saddle coloration looks like Black Back and Shaded Yellow can look very similar to Agouti.

	PHENOTYPE NAME	COMMON NAMES	ASIP HAPLOTYPE COMBINATION	OLD ALLELE Legacy Agouti	
	Dominant Yellow	fawn, sable, red, cream, tan	ASIP^{DY}	a ^y	most dominant
	Shaded Yellow	shaded sable, shaded fawn, fawn, sable, red, cream, tan	ASIP^{SY}		
	Agouti	wolf sable, sable, grey, agouti	ASIP^{AG}	a ^w *	
	Black Saddle	saddle back, saddle tan, black and tan, hound	ASIP^{BS}	a ^t	
	Black Back	black and tan, bicolor, tan points, pointed	ASIP^{BB1} ASIP^{BB2} ASIP^{BB3}		
	Recessive Black	black	ASIP^a	a	least dominant

 Eumelanin (black/brown pigment)
Appearance of pigment will depend on other genes, e.g. Brown (B locus), Dilute (D locus), *MC1R* (E locus), and Dominant Black (K locus)

 Phaeomelanin (yellow/red/tan pigment)
Appearance of pigment will depend on other genes, e.g. Dilute (D locus), Intensity (Iⁿ), and *KITLG*

*In some cases, the a^w Legacy Agouti allele can correspond to the new **ASIP^{BB3}** haplotype combination.

For more detailed information about the new Agouti test, please visit our website at <https://vgl.ucdavis.edu/test/agouti-dog>



TEST REPORT

Provided Information:	Case: NCD249988
Name: WOODLANDS SAPHIRE	Date Received: 06-Feb-2025
Registration:	Report Issue Date: 13-Feb-2025
	Report ID: 2650-1005-3373-3160
Verify report at vgl.ucdavis.edu/verify	
DOB: 08/22/2023 Sex: Female Breed: French Bulldog	
Sire: MAXIMILLION	Dam: EBONY
Reg:	Reg:
Microchip:	Microchip:

INTERPRETATION

Canine Multifocal Retinopathy (CMR1)	N/N	Normal - no copies of the CMR1 mutation.
Degenerative Myelopathy (DM)	N/N	No copies of the DM mutation.
Juvenile Hereditary Cataract (JHC)	N/N	No copies of JHC mutation. Cataracts may however develop because of other genetic and environmental factors.
Hyperuricosuria (HUU)	N/N	No copies of the hyperuricosuria mutation detected. Dog is normal.

FRENCH BULLDOG GENETIC HEALTH PANEL TEST REPORT

Client/Owner/Agent Information: RONNIE COBLENTZ 6827 COUNTY ROAD 672 MILLERSBURG, OH 44654	Case: NCD249988 Date Received: 06-Feb-2025 Report Issue Date: 13-Feb-2025 Report ID: 2650-1005-3373-3160 Verify report at vgl.ucdavis.edu/verify
Name: WOODLANDS SAPHIRE	

Additional Information

If testing for a disease or a disorder was performed and results indicate the animal is affected or at risk, we recommend contacting your veterinarian for further clinical evaluation and for additional information on disease and management.

For more detailed information on French Bulldog Genetic test results, please visit our website at:
vgl.ucdavis.edu/panel/french-bulldog-health-panel-1

For terms and conditions of testing, please see vgl.ucdavis.edu/about/terms-and-conditions

Results are determined using PCR-based methods. The results relate only to the sample tested as identified by the submitter (for example, identity and/or breed).

Report authorized by Dr. Rebecca Bellone, VGL Director

Veterinary Genetics Laboratory · University of California Davis · One Shields Ave · Davis, CA 95616
vgl.ucdavis.edu · (530) 752-2211

Degenerative Myelopathy is associated with a genetic variant in the *SOD1* gene (c.118G>A). We therefore denote this associated allele as DM on our reports.

Many dog breeds carry the *SOD1* allele associated with Degenerative Myelopathy. The following breeds have been reported as having **clinically-affected** individuals with two copies of the *SOD1* associated variant (denoted on our report as **DM/DM**): American Eskimo Dog, Australian Shepherd, Bernese Mountain Dog, Bloodhound, Borzoi, Boxer, Cardigan Welsh Corgi, Cavalier King Charles Spaniel, Chesapeake Bay Retriever, Czech Wolfhound, English Springer Spaniel, German Shepherd, Golden Retriever, Hovawart, Kerry Blue Terrier, Labrador Retriever, Pembroke Welsh Corgi, Pug, Rhodesian Ridgeback, Rough Collie, Soft Coated Wheaten Terrier, Standard Poodle, and Wire Fox Terrier. Testing is advisable for these breeds.

There have also been reports of crossbred dogs with two copies of the *SOD1* allele that were clinically affected by degenerative myelopathy.

What do the results mean for my dog?

Within clinically-affected breeds, dogs with two copies of DM (**DM/DM**) are considered at higher risk for developing clinical signs of DM. However, not all dogs that are DM/DM will develop clinical signs of disease, and not all cases of degenerative myelopathy are explained by the DM/DM result.

Why some DM/DM dogs display symptoms of disease and others do not, is not yet known, but one hypothesis is that there are other genetic modifiers that contribute to risk. This is still under investigation.

Dogs with one copy of DM (**N/DM**) are not expected to develop clinical signs of degenerative myelopathy. They are considered carriers, because they carry the allele associated with disease.

Dogs with **N/N** genotype do not have this *SOD1* variant associated with degenerative myelopathy.

Please note that there may be other causes for degenerative myelopathy in the dog that are not explained by the *SOD1* variant (c.118G>A) tested by the VGL.

What about breeding my dog?

Dogs with a DM/DM genotype will pass on the DM allele to all of their offspring.

Dogs with an N/DM genotype may pass on the DM allele to ~50% of their offspring. If bred to another N/DM dog, 25% of puppies will be expected to have a DM/DM genotype and be at increased risk for developing DM.

For more detailed information about DM, visit <https://vgl.ucdavis.edu/test/degenerative-myelopathy>

COAT LENGTH TEST REPORT

Provided Information: Name: WOODLANDS SAPHIRE Registration:		Case: NCD249988 Date Received: 06-Feb-2025 Report Issue Date: 13-Feb-2025 Report ID: 2891-0492-1923-8164 Verify report at vgl.ucdavis.edu/verify
DOB: 08/22/2023 Sex: Female Breed: French Bulldog		
Sire: MAXIMILLION Reg: Microchip:		Dam: EBONY Reg: Microchip:

RESULT

INTERPRETATION

COAT LENGTH	L/L4
--------------------	-------------

2 copies of the allele(s) associated with long hair detected.

COAT LENGTH TEST REPORT

Client/Owner/Agent Information: RONNIE COBLENTZ 6827 COUNTY ROAD 672 MILLERSBURG, OH 44654	Case: NCD249988 Date Received: 06-Feb-2025 Report Issue Date: 13-Feb-2025 Report ID: 2891-0492-1923-8164 Verify report at vgl.ucdavis.edu/verify
Name: WOODLANDS SAPHIRE	

Additional Information

If testing for a disease or a disorder was performed and results indicate the animal is affected or at risk, we recommend contacting your veterinarian for further clinical evaluation and for additional information on disease and management.

For more detailed information on Dog Coat Type test results, please visit our website at:
vgl.ucdavis.edu/services/dog/coat-length-curl-furnishings

For terms and conditions of testing, please see vgl.ucdavis.edu/about/terms-and-conditions

Results are determined using PCR-based methods. The results relate only to the sample tested as identified by the submitter (for example, identity and/or breed).

Report authorized by Dr. Rebecca Bellone, VGL Director

Veterinary Genetics Laboratory · University of California Davis · One Shields Ave · Davis, CA 95616
vgl.ucdavis.edu · (530) 752-2211