

FRENCH BULLDOG GENETIC HEALTH PANEL TEST REPORT

<p><i>Provided Information:</i></p> <p><i>Name:</i> GALAXY</p> <p><i>Registration:</i></p>	<p><i>Case:</i> NCD102354</p> <p><i>Date Received:</i> 05-Aug-2019</p> <p><i>Report Issue Date:</i> 11-Feb-2021</p> <p><i>Report ID:</i> 7103-8096-9441-2075</p> <p style="text-align: center; font-size: small;">Verify report at www.vgl.ucdavis.edu/verify</p>
<p><i>DOB:</i> 05/09/2019 <i>Sex:</i> Female <i>Breed:</i> French Bulldog</p>	

RESULT

INTERPRETATION

Chondrodystrophy (CDDY)	CDDY/CDDY	
Chondrodystrophy (CDDY)	CDDY/CDDY	2 copies of CDDY. Dog is at risk for IVDD. Mutation causes leg shortening compared to N/N dogs
Chondrodysplasia (CDPA)	N/N	No copies of CDPA mutation
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

<i>Client/Owner/Agent Information:</i> RONNIE COBLENTZ 6827 COUNTY ROAD 672 MILLERSBURG, OH 44654	<i>Case:</i> NCD102354 <i>Date Received:</i> 05-Aug-2019 <i>Report Issue Date:</i> 11-Feb-2021 <i>Report ID:</i> 7103-8096-9441-2075 Verify report at www.vgl.ucdavis.edu/verify
<i>Name:</i> GALAXY	

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: www.vgl.ucdavis.edu/services/dog/FrenchBulldogHealthPanel.php

For terms and conditions of testing, please see www.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

DOG COAT COLOR / NATURAL BOBTAIL TEST REPORT

<p><i>Provided Information:</i></p> <p><i>Name:</i> GALAXY</p> <p><i>Registration:</i></p>	<p><i>Case:</i> NCD102354</p> <p><i>Date Received:</i> 05-Aug-2019</p> <p><i>Report Issue Date:</i> 07-Apr-2022</p> <p><i>Report ID:</i> 5257-0736-7901-2095</p> <p><i>Reissue of:</i> 3426-8688-9513-7077</p> <p style="text-align: center; font-size: small;">Verify report at www.vgl.ucdavis.edu/verify</p>
<p><i>DOB:</i> 05/09/2019 <i>Sex:</i> Female <i>Breed:</i> French Bulldog</p>	

RESULT

INTERPRETATION

Locus	Genotype	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/d¹	Carries 1 copy of the dilution variant.
DOMINANT BLACK (K LOCUS)	N/N	Dog does not have the dominant black mutation.
LEGACY AGOUTI	a⁴/a	Dog has black-and-tan and carries recessive black.
AGOUTI (A LOCUS)	ASIP^{BB1}/ASIP^a	One copy of black back 1 and one copy of recessive black.
MERLE	N/266	One copy of the merle associated SINE insertion. See attachment (last page) for additional information.
PIEBALD (S LOCUS)	N/N	Dog has no copies of piebald.
COCOA	co/co	2 copies of the cocoa variant.

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

Agouti research is ongoing, and additional variation beyond the resolution of this test may exist.

Additional Comments

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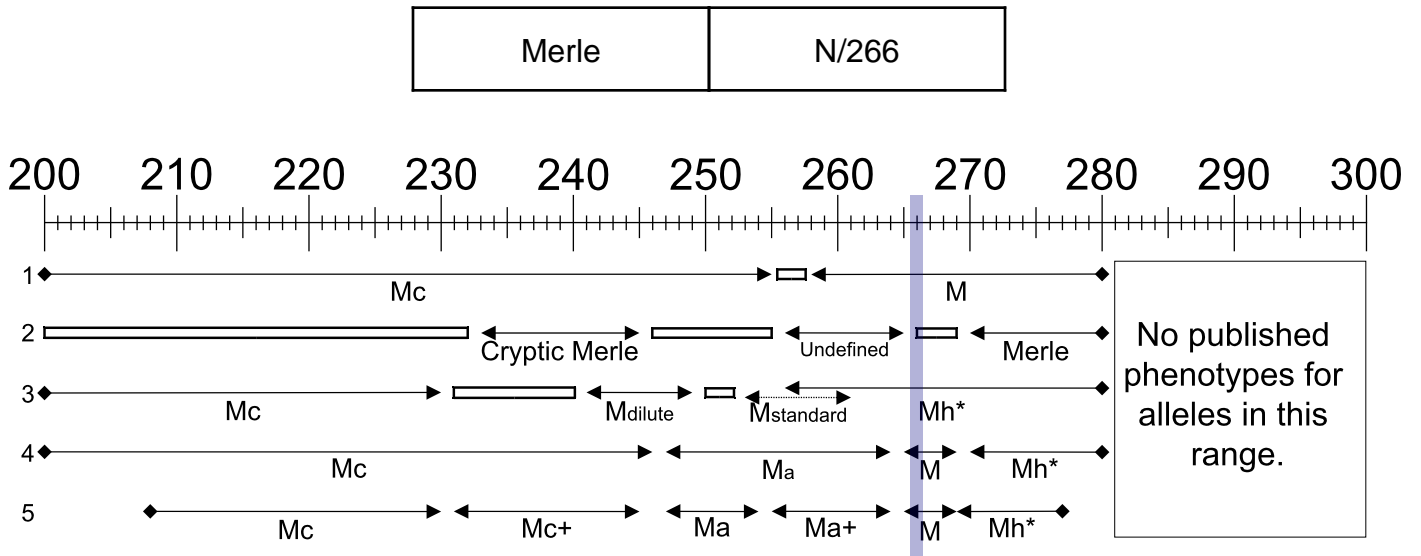
Veterinary Genetics Laboratory · University of California Davis · One Shields Ave · Davis, CA 95616
vgl.ucdavis.edu · (530) 752-2211



**ADDITIONAL INFORMATION FOR
MERLE RESULTS**

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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.

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