UCDAVIS VETERINARY MEDICINE
Veterinary Genetics Laboratory

DOG COAT COLOR / NATURAL BOBTAIL TEST REPORT

Provided Information:	***Case:*** **NCD130055**
Name: **LILAC MERE MALE (BURBERRY)**	***Date Received:*** 03-Nov-2020
Registration:	***Report Issue Date:*** 13-Nov-2020
	Report ID: 1593-2274-3256-7159
	Verify report at www.vgl.ucdavis.edu/verify

DOB: *Sex:* **Male** *Breed:* **French Bulldog**

Sire: YOLO	*Dam:* BURBERRY
Reg:	*Reg:*
Microchip:	*Microchip:*

RESULT		INTERPRETATION
MC1R (E LOCUS)	**E^m/e^1**	1 copy of mask and 1 copy of red/yellow/cream
BROWN (B LOCUS)		Not requested.
DILUTE (D LOCUS)	**d^1/d^1**	Dilute, 2 copies of the dilution variants.
DOMINANT BLACK (K LOCUS)	**K/N**	1 copy of dominant black is present *
AGOUTI (A LOCUS)	**a^t/a**	Dog has black-and-tan and carries recessive black
MERLE	**N/265**	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.
HARLEQUIN (GREAT DANE)		Not requested.
NATURAL BOBTAIL		Not requested.
DOBERMAN OCA		Not requested.
GERMAN SHEPHERD PANDA SPOTTING		Not requested.
INTENSITY DILUTION	**In/In**	2 copies of intensity dilution. Red pigment is likely to be diluted to cream or white.

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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 Coat Color test results, please visit our website at:
www.vgl.ucdavis.edu/services/coatcolordog.php

* This result is sometimes associated with the brindle pattern.

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

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ADDITIONAL INFORMATION FOR MERLE RESULTS

Provided Information:	***Case:*** **NCD130055**
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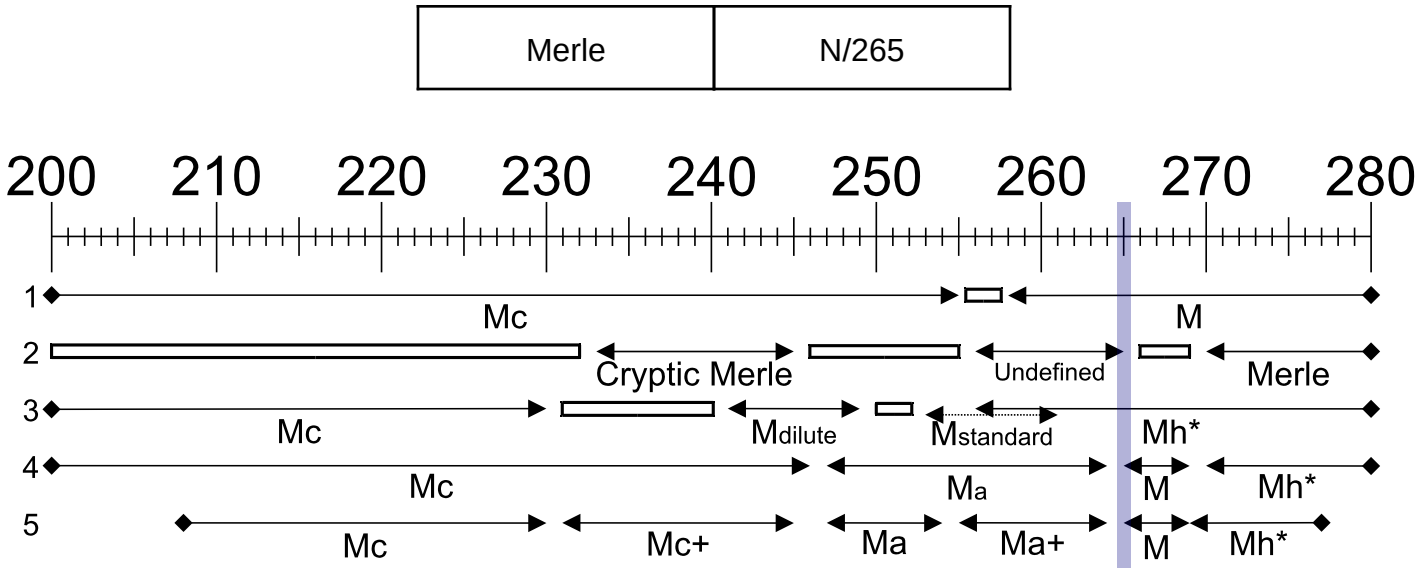
Reg:	*Reg:*
Microchip:	*Microchip:*

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.

[1]Previous merle pattern result reported by the VGL.
Mc=200-255, M=258-280

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

[3]Merle pattern nomenclature defined by Murphy et al. 2018.
Mc=200-230, Mdilute=241-249, Mstandard=253-261, Mh=256-280

[4]Merle pattern nomenclature defined by Ballif et al. 2018.
Mc=200-246, Ma=247-264, M=265-269, Mh=270-280

[5]Merle 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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FRENCH BULLDOG GENETIC HEALTH PANEL TEST REPORT

Provided Information:	***Case:*** **NCD130055**
Name: **LILAC MERE MALE (BURBERRY)**	***Date Received:*** 03-Nov-2020
Registration:	***Report Issue Date:*** 16-Dec-2020
	Report ID: 8544-0701-1444-8024
	Verify report at www.vgl.ucdavis.edu/verify

DOB: *Sex:* **Male** *Breed:* **French Bulldog**

Sire: YOLO	*Dam:* BURBERRY
Reg:	*Reg:*
Microchip:	*Microchip:*

RESULT		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.

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	Date Received: 03-Nov-2020
	Report Issue Date: 16-Dec-2020
	Report ID: 8544-0701-1444-8024
	Verify report at www.vgl.ucdavis.edu/verify

Name: **LILAC MERE MALE (BURBERRY)**

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

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DOG COAT TYPE TEST REPORT

Provided Information:	***Case:*** **NCD130055**
Name: **LILAC MERE MALE (BURBERRY)**	***Date Received:*** 03-Nov-2020
Registration:	***Report Issue Date:*** 14-Nov-2020
	Report ID: 0281-7295-5819-7040
	Verify report at www.vgl.ucdavis.edu/verify

DOB: *Sex:* **Male** *Breed:* **French Bulldog**

Sire: YOLO	*Dam:* BURBERRY
Reg:	*Reg:*
Microchip:	*Microchip:*

RESULT		INTERPRETATION
COAT LENGTH	**L/L4**	Dog has long hair.
CURL		Not requested.
FURNISHINGS		Not requested.
IMPROPER COAT		Not requested.

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DOG COAT TYPE TEST REPORT

Client/Owner/Agent Information:	*Case:* **NCD130055** ***Date Received:*** 03-Nov-2020 ***Report Issue Date:*** 14-Nov-2020 ***Report ID:*** 0281-7295-5819-7040 Verify report at www.vgl.ucdavis.edu/verify
Name: **LILAC MERE MALE (BURBERRY)**	

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:
www.vgl.ucdavis.edu/services/DogCoatLengthCurlandFurnishings.php

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COCOA TEST REPORT

Provided Information:	***Case:*** **NCD130055**
Name: **LILAC MERE MALE (BURBERRY)**	***Date Received:*** 03-Nov-2020
Registration:	***Report Issue Date:*** 14-Nov-2020
	Report ID: 2944-0541-7273-4102
	Verify report at www.vgl.ucdavis.edu/verify

DOB: *Sex:* **Male** *Breed:* **French Bulldog**

Sire: YOLO	*Dam:* BURBERRY
Reg:	*Reg:*
Microchip:	*Microchip:*

RESULT		INTERPRETATION
COCOA	**co/co**	2 copies of the cocoa variant.

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COCOA TEST REPORT

Client/Owner/Agent Information:	*Case:* **NCD130055** ***Date Received:*** 03-Nov-2020 ***Report Issue Date:*** 14-Nov-2020 ***Report ID:*** 2944-0541-7273-4102 Verify report at www.vgl.ucdavis.edu/verify
Name: **LILAC MERE MALE (BURBERRY)**	

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 Cocoa test results, please visit our website at:
www.vgl.ucdavis.edu/test/cocoa-dog

This test is specific for the autosomal recessive variant causing cocoa in French Bulldogs and is distinct from the other known variants resulting in a brown phenotype

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