

ALPHA-S1 CASEIN GENETIC TEST REPORT

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| Provided Information: | Case: MDG1066 |
| Name: WHISPERING WILLOWS BUTTERCUP BLUE | Date Received: 10-Mar-2023 |
| Registration: MN10593P | Report Issue Date: 16-Mar-2023 |
| | Report ID: 0927-2855-4403-3126 |
| | Verify report at www.vgl.ucdavis.edu/verify |
| DOB: 03/13/2019 Sex: Female Breed: Nubian, Miniature | |

ALPHA-s1 CASEIN RESULT

A/A

Interpretation

A and **B** variants, are associated with a high content of alpha-s1 casein in milk. *

E, **F** and **N** variants, are associated with a lower content of alpha-s1 casein in milk.

O1 represents a non-functional variant ("null") that is associated with lack of alpha-s1 casein production.

Any combination of "high" variants will produce high amounts of alpha-s1 casein.

Any combination of "high" and "low" variants, or "high" and "null" variants, will produce intermediate amounts of alpha-s1 casein.

Any combination of "low" variants, with or without "null" will produce low amounts of alpha-s1 casein. Goats with two copies of the O1 "null" variant will not produce alpha-s1 casein protein.

* This test is not designed to detect subvariants of **A** and **B**.

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| Client/Owner/Agent Information: MICHELLE TAUB 3185 ZYGOATFARM@GMAIL.COM (910) 723-2402 | Case: MDG1066 Date Received: 10-Mar-2023 Report Issue Date: 16-Mar-2023 Report ID: 0927-2855-4403-3126 Verify report at www.vgl.ucdavis.edu/verify |
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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 Alpha Casein test results, please visit our website at:
www.vgl.ucdavis.edu/test/alpha-s1-casein

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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