

ALPHA-S1 CASEIN GENETIC TEST REPORT

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| <i>Provided Information:</i> | | <i>Case:</i> | ADG23678 |
| <i>Name:</i> | HIDDEN HILLS HB RIVER BLOSSOM | <i>Date Received:</i> | 05-Apr-2021 |
| <i>Registration:</i> | PD1940156 | <i>Report Issue Date:</i> | 20-Apr-2021 |
| | | <i>Report ID:</i> | 5165-4872-2885-7031 |
| Verify report at www.vgl.ucdavis.edu/verify | | | |
| <i>DOB: 04/17/2018 Sex: Female Breed:</i> | | | |
| <i>Sire:</i> | ALGEDI FARM DJ HIGGS BOSON | <i>Dam:</i> | BELLAFIRE BP COUNTRY MELODY |
| <i>Reg:</i> | PD1593397 | <i>Reg:</i> | PD1739377 |
| <i>Microchip:</i> | | <i>Microchip:</i> | |

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**.