

ALPHA-S1 CASEIN GENETIC TEST REPORT

Provided Information: <i>Name:</i> HIDDEN HILLS SOUTHERN CHARM <i>Registration:</i> PD2024850	Case: ADG23875 <i>Date Received:</i> 13-Apr-2021 <i>Report Issue Date:</i> 26-Apr-2021 <i>Report ID:</i> 2538-4492-2034-4084 Verify report at www.vgl.ucdavis.edu/verify
<i>DOB:</i> 04/01/2019 <i>Sex:</i> Female <i>Breed:</i> Nigerian Dwarf	
<i>Sire:</i> ALGEDI FARM CK KINETIC RIPTIDE <i>Reg:</i> PD1615168 <i>Microchip:</i>	<i>Dam:</i> BELLAFIRE BP COUNTRY MELODY <i>Reg:</i> PD1739377 <i>Microchip:</i>

ALPHA-s1 CASEIN RESULT

A/B

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**.