

ALPHA-S1 CASEIN GENETIC TEST REPORT

<i>Provided Information:</i>		<i>Case:</i>	ADG18197
<i>Name:</i>	HILLTOWN MEADOWS FORCE AWAKENS	<i>Date Received:</i>	04-Feb-2020
<i>Registration:</i>	PD2034438	<i>Report Issue Date:</i>	05-Oct-2020
		<i>Report ID:</i>	8481-6019-1198-6144
Verify report at www.vgl.ucdavis.edu/verify			
<i>DOB: 06/05/2019 Sex: Male Breed:</i>			
<i>Sire:</i>	FEATHERNSCALE BE THE FORCE	<i>Dam:</i>	
<i>Reg:</i>	PD1956216	<i>Reg:</i>	
<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**.