



VETERINARY GENETICS LABORATORY
SCHOOL OF VETERINARY MEDICINE
ONE SHIELDS AVENUE
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ALPHA CASEIN TEST RESULTS

<p>AMERICAN DAIRY GOAT ASSOCIATION P.O. BOX 865 SPINDALE, NC 28160</p>	<p>Case: ADG9865 Date Received: 24-Jul-2017 Print Date: 28-Jul-2017 Report ID: 4785-5900-2175-1106 Verify report at www.vgl.ucdavis.edu/myvgl/verify.html</p>
<p>Name: VETERAN'S HAPPY DANCER DOB: 05/12/2013 Sex: Female Breed:</p>	<p>Reg: PN1648840</p>

ALPHA s1 CASEIN

A/A

Interpretation of result code:

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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ALPHA CASEIN TEST RESULTS

<p>AMERICAN DAIRY GOAT ASSOCIATION P.O. BOX 865 SPINDALE, NC 28160</p>	<p>Case: ADG9868 Date Received: 24-Jul-2017 Print Date: 28-Jul-2017 Report ID: 6785-0712-8715-9002 Verify report at www.vgl.ucdavis.edu/myvgl/verify.html</p>
<p>Name: VETERAN'S BOOTS ON THE GROUND Reg: PN1769360 DOB: 01/15/2016 Sex: Male Breed:</p>	

ALPHA s1 CASEIN

A/B

Interpretation of result code:

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**.