



VETERINARY GENETICS LABORATORY  
 SCHOOL OF VETERINARY MEDICINE  
 ONE SHIELDS AVENUE  
 DAVIS, CALIFORNIA 95616-8744

TELEPHONE: (530) 752-2211  
 FAX: (530) 752-3556

## ALPHA CASEIN TEST RESULTS

AMERICAN DAIRY GOAT ASSOCIATION P.O. BOX 865 SPINDALE, NC 28160	<b>Case:</b> <b>ADG7311</b> <b>Date Received:</b> 04-Oct-2016 <b>Print Date:</b> 12-Feb-2018 <b>Report ID:</b> 3409-2864-4491-6171 Verify report at <a href="http://www.vgl.ucdavis.edu/myvgl/verify.html">www.vgl.ucdavis.edu/myvgl/verify.html</a>
<b>Name:</b> FARM OLDESOUTH M SOLAR FLARE <b>DOB:</b> 03/31/2016 <b>Sex:</b> Male <b>Breed:</b>	<b>Reg:</b> PD1796708
<b>Sire:</b> FARM OLDESOUTH ZV MARQUISE <b>Dam:</b> NC PROMISEDLAND SIA SUNRA	<b>Reg:</b> PD1587493 <b>Reg:</b> PD1402928

### 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**.