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ALPHA CASEIN TEST RESULTS

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| AMERICAN DAIRY GOAT ASSOCIATION P.O. BOX 865 SPINDALE, NC 28160 | Case: ADG12057 Date Received: 18-Apr-2018 Print Date: 23-Apr-2018 Report ID: 7470-4012-6043-4151 Verify report at www.vgl.ucdavis.edu/myvgl/verify.html |
| Name: CASTLE ROCK GRAUPEL DOB: 03/03/2012 Sex: Male Breed: Nigerian Dwarf | Reg: PD1656690 |
| Sire: Dam: | Reg: Reg: |

ALPHA s1 CASEIN

B/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**.