

## ALPHA-S1 CASEIN GENETIC TEST REPORT

<b>Provided Information:</b>  <b>Name:</b> ZYGOAT FARMS TEYLA EMMAGEN <b>Registration:</b> MN10850p ZYG/M2	<b>Case:</b> <b>MDG1067</b> <b>Date Received:</b> 10-Mar-2023 <b>Report Issue Date:</b> 16-Mar-2023 <b>Report ID:</b> 1753-0903-5984-6193  Verify report at <a href="http://www.vgl.ucdavis.edu/verify">www.vgl.ucdavis.edu/verify</a>
<b>DOB:</b> 02/06/2020 <b>Sex:</b> Female <b>Breed:</b> Nubian, Miniature	

### 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**.

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<b>Client/Owner/Agent Information:</b> MICHELLE TAUB 3185 ZYGOATFARM@GMAIL.COM (910) 723-2402	<b>Case:</b> <b>MDG1067</b> <b>Date Received:</b> 10-Mar-2023 <b>Report Issue Date:</b> 16-Mar-2023 <b>Report ID:</b> 1753-0903-5984-6193  Verify report at <a href="http://www.vgl.ucdavis.edu/verify">www.vgl.ucdavis.edu/verify</a>
<b>Name:</b> <b>ZYGOAT FARMS TEYLA EMMAGEN</b>	

### Additional Information

If testing for a disease or a disorder was performed and results indicate the animal is affected or at risk, we recommend contacting your veterinarian for further clinical evaluation and for additional information on disease and management.

For more detailed information on Alpha Casein test results, please visit our website at:  
[www.vgl.ucdavis.edu/test/alpha-s1-casein](http://www.vgl.ucdavis.edu/test/alpha-s1-casein)

For terms and conditions of testing, please see [www.vgl.ucdavis.edu/about/terms-and-conditions](http://www.vgl.ucdavis.edu/about/terms-and-conditions)

Results are determined using PCR-based methods. The results relate only to the sample tested as identified by the submitter (for example, identity and/or breed).

**Report authorized by Dr. Rebecca Bellone, VGL Director**

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