

ALPHA-S1 CASEIN GENETIC TEST REPORT

Provided Information:		Case:	ADG48524
Name:	BITTERROOT O LIL MISS SUNSHINE	Date Received:	30-Oct-2025
Registration:	PD2440084	Report Issue Date:	03-Nov-2025
		Report ID:	2468-9822-3413-6168
		Verify report at vgl.ucdavis.edu/verify	
DOB: 04/01/2025 Sex: Female Breed: Nigerian Dwarf Alt. ID: HAYW/T9			

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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Client/Owner/Agent Information: AMERICAN DAIRY GOAT ASSOCIATION P.O. BOX 865 SPINDALE, NC 28160	Case: ADG48524 Date Received: 30-Oct-2025 Report Issue Date: 03-Nov-2025 Report ID: 2468-9822-3413-6168 Verify report at vgl.ucdavis.edu/verify
Name: BITTERROOT O LIL MISS SUNSHINE	

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:
vgl.ucdavis.edu/test/alpha-s1-casein

For terms and conditions of testing, please see 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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