

Peer Review

Review of: "Phenotypic Characteristics and Factors Associated with Assaf Lamb Body Weight and Morphology"

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The research article "**Phenotypic Characteristics and Factors Associated with Assaf Lamb Body Weight and Morphology**" provides valuable baseline phenotypic data and applies appropriate statistical models to evaluate growth-related traits in Assaf lambs, offering practical implications for breeding and livestock management. The study benefits from a relatively adequate sample size and inclusion of multiple environmental and biological variables; however, several weaknesses limit its scientific impact. The study is based on a single farm population, which reduces generalizability and may introduce management bias, while genetic parameters and heritability estimates are not investigated despite the breeding-focused implications. Additionally, the manuscript is overly descriptive, with lengthy literature comparisons and limited biological interpretation of results, and it lacks advanced multivariate or predictive modeling validation such as cross-validation or external dataset testing. To improve article quality, the authors should include multi-farm or multi-region sampling, incorporate genetic analysis or molecular markers, strengthen statistical modeling with validation approaches, and streamline discussion sections to focus more on biological significance and practical breeding strategies.

Declarations

Potential competing interests: No potential competing interests to declare.