

As a reviewer for the manuscript titled "Evaluation of the lineage of Brucella Isolates in Türkiye by Whole Genome Single Nucleotide Polymorphism Analysis," I have carefully evaluated the study's methodology, results, and overall contribution to the field.

The manuscript presents a comprehensive analysis of the genetic makeup of Brucella isolates from Türkiye using core genome single nucleotide polymorphism (cgSNP) analysis. The study addresses a significant public health issue, providing valuable insights into the genetic relationships and potential transmission routes of Brucella isolates. The data and findings presented are relevant and timely, contributing to the understanding and control of brucellosis in Türkiye and potentially neighboring regions. The manuscript is well written, However, there are still some points requiring additional corrections:

1. The abstract should briefly mention the specific outcomes of the SNP analysis for clarity.
2. More recent studies on brucellosis should be included to reinforce the relevance of the research.
3. Instead of merely citing the previous work, it would be better to do detailed comparison with previous research to highlight study contribution and differences.

Minor comments

1. Türkiye" should be consistent with either "Turkey" or "Türkiye" throughout the document.
2. Line 34: "A total of 28 strains of Brucella melitensis (n=15) and Brucella abortus (n=13) were analyzed...". Ensure consistency with species names. Italicize them: *Brucella melitensis*, *Brucella abortus*.
1. Line 60- Highlighting should be Highlighted.
2. Line83 - "All of these isolates were isolated from abortion materials"- should be "All were isolated from abortion material"
3. Line 62. " is" should be replaced with "are".
4. "In silico analysis shows that Bru 17 (B. melitensis) presents a rphC gene..." Clarify gene function and significance."
5. Line 336.- "Exhibts should be exhibit".
6. Provide statistical method for data analysis in result section.
7. Suggest specific areas for future research based on the study finding.

The document contains numerous grammatical errors that significantly impact its readability and professional quality. It is highly recommended that the manuscript undergo thorough proofreading by an English language expert to ensure clarity.