

Peer Review

Review of: "Thrombospondin Regulation Differentiates HIV Patients with Natural and Therapy-Mediated Control of Plasma Viremia: A Genome-Wide Transcriptomic Analysis"

Asaad Babker¹

1. Gulf Medical University, United Arab Emirates

Dear authors, Thank you for your significant contribution to HIV research through this comprehensive study. Your work advances our understanding of the molecular mechanisms underlying natural and therapy-mediated control of viremia, providing valuable insights for future therapeutic strategies. I appreciate your dedication and effort in investigating such a critical area of public health. Here are some suggestions for your consideration:

- Conduct in silico correlation analyses between gene expression patterns and available clinical parameters (e.g., plasma viremia, CD4+ counts).
- Compare current findings specifically with published data to strengthen hypotheses about mechanisms, especially regarding THBS1 and apoptosis pathways, reinforcing their potential role.
- Use the current data to identify and rank potential biomarkers based on fold changes, consistency across analyses, and pathway relevance without additional validation tests.
- Stratify existing data by clinical characteristics (e.g., duration of infection, viral load levels) to identify subgroup-specific signatures or pathways, increasing interpretive resolution.

Declarations

Potential competing interests: No potential competing interests to declare.