Dear editors,

Please find my manuscript “Does elliptical biface morphology differ as a function of raw material color?” appended for consideration as a Brief Report in *Archaeological and Anthropological Sciences*. This study is reproducible, and while the data are curated in GitHub and Open Science Framework repositories (links in Data Management section), only the link to the supplementary materials (<https://seldenlab.github.io/elliptical.bifaces.1/>) is currently active.

This brief report uses an objective (quantitative) analysis of color to assign elliptical bifaces to raw material color groups, and asks whether elliptical biface morphology differs by raw material color. The study reports a significant difference in shape—but not size—for elliptical bifaces from 41AN13. Even if raw material color groups are not found to differ in terms of geochemistry (although, we are working on a paper for the *Journal of Archaeological Science* currently where pXRF data demonstrates that the color groups identified for Gahagan bifaces are geochemically distinct), results of this effort clearly demonstrate that two discrete elliptical biface shapes articulate with two distinct raw material color groups, indicating a previously unreported Caddo preference related to local lithic technology.

Thank you in advance for your time and consideration.

Respectfully,

Robert Z. SELDEN, Jr.