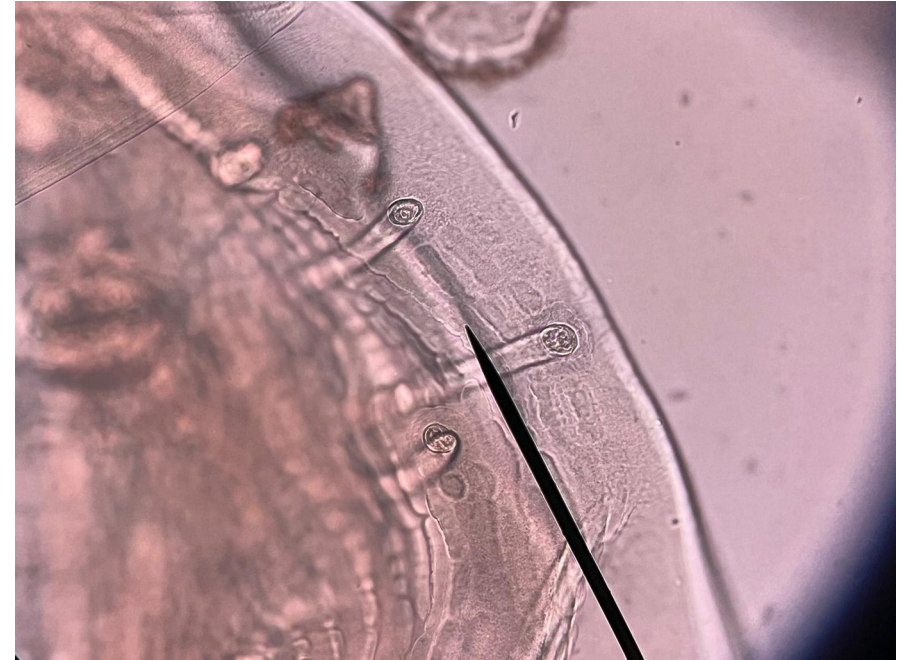




HookFuse

Diagnostic character measurement and
shape analysis

Society for Evolutionary Parasite Systematics



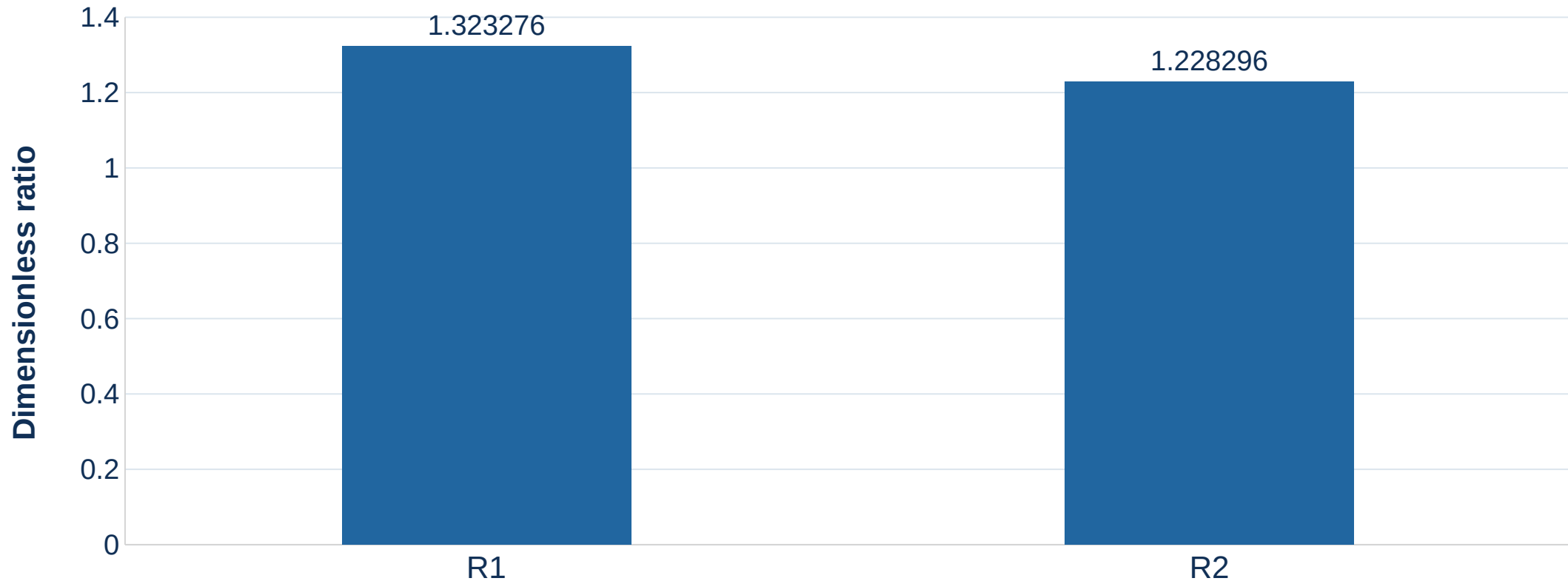
Two traced profiles in one source frame



Quantity	R1	R2
Area (px ²)	2856.20	3292.88
Perimeter (px)	193.05	205.84
Maximum Feret (px)	68.84	73.54
Minimum Feret (px)	52.02	59.87
Circularity	0.9631	0.9766

SEPS Nematode Profile Morphometry. Two assistant-initialized polygons in 2023BaViNematode9(3).jpg. No physical calibration or independent specimen replication.

Feret ratios describe the selected outlines



SEPS rim_metrics.csv. Feret ratio is not eccentricity. The differences concern two selected regions, not species means.

Fourier reconstruction and anatomy



Numerical result

At eight harmonics, RMS error equals 0.0973 px for R1 and 0.1164 px for R2.

The reference is the selected polygon.

Biological interpretation

A close reconstruction reproduces the trace.

It cannot establish that the analyst chose the correct anatomical boundary.

Retain vertices, normalization and harmonic count.