## A weakly structured stem for human origins in Africa

Aaron P. Ragsdale<sup>1</sup>, Timothy D. Weaver<sup>2</sup>, Elizabeth G. Atkinson<sup>3</sup>, Eileen Hoal<sup>4</sup>, Marlo Möller<sup>5</sup>, Brenna M. Henn<sup>2,6,\*</sup>, and Simon Gravel<sup>7,\*\*</sup>

<sup>1</sup>Department of Integrative Biology, University of Wisconsin, Madison, WI, USA
<sup>2</sup>Department of Anthropology, University of California, Davis, Davis, CA, USA
<sup>3</sup>FIXME: DSI-NRF Centre of Excellence for Biomedical Tuberculosis Research; South African Medical Research Council Centre for Tuberculosis Research; Division of Molecular Biology and Human Genetics, Faculty of Medicine and Health Sciences, Stellenbosch University, Cape Town, South Africa

<sup>4</sup>FIXME <sup>5</sup>FIXME

<sup>6</sup>UC Davis Genome Center, University of California, Davis, Davis, CA, USA 
<sup>7</sup>Department of Human Genetics, McGill University, Montreal, QC, Canada

\*bmhenn@ucdavis.edu

\*\*simon.gravel@mcgill.ca

January 5, 2022

#### Abstract

A very simple template for an article class document.

### Introduction

The intro..

#### Results

A Late Middle Stone Age common ancestry for contemporary humans Deep population structure but not archaic admixture within Africa Reconciling multiple lines of genetic evidence

#### Discussion

The Middle Stone Age in Africa

Contrasting archaic admixture and a weakly structured stem

#### Methods

A placeholder citation (Kelleher et al., 2016).

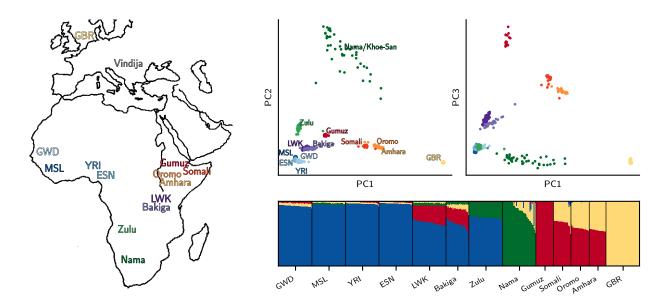


Figure 1: The first figure. The geographic and genetic diversity of populations across Africa.

Figure 2: The second main figure. A placeholder - best fit model(s).

## ${\bf Acknowledgements}$

Figure 3: The third main figure. A placeholder - validation (Relate and cSFS).

Figure 4: The fourth main figure. A placeholder - predictions (FST and/or f4).

# References

Jerome Kelleher, Alison M Etheridge, and Gilean McVean. Efficient coalescent simulation and genealogical analysis for large sample sizes. *PLoS Comput. Biol.*, 12(5):e1004842, May 2016.