

Supplementary Materials

Follistatin-like 1 and galectin-1 as potential exerkines: a cross-study evaluation of tissue attribution and implications for metabolic disease

Timothy Zhang¹, Firas-Shah Zoha², Jacklyn Luu², Sophia Wang², Christopher Zhu³, Jordan Ackerfield⁴, Austin Dungan⁵, Jingyi Hu¹, Zane Madi⁶, Sarah Ning¹, Tucker Orman⁷, Ellie Siu⁸, Erin Suh⁹, Derrick M. Knapik², Hash Brown Taha¹⁰

¹School of Arts & Sciences, Washington University in St. Louis, St. Louis, MO 63130, USA.

²Department of Orthopedic Surgery, Washington University School of Medicine in St. Louis, St. Louis, MO 63110, USA.

³Faculty of Health Sciences, McMaster University, Hamilton, ON L8S 4L8, Canada.

⁴Department of Integrative Physiology, University of Colorado Boulder, Boulder, CO 80309, USA.

⁵Department of Biological Sciences, University of Notre Dame, Notre Dame, IN 46556, USA.

⁶Department of Economics, Boston College, Chestnut Hill, MA 02467, USA.

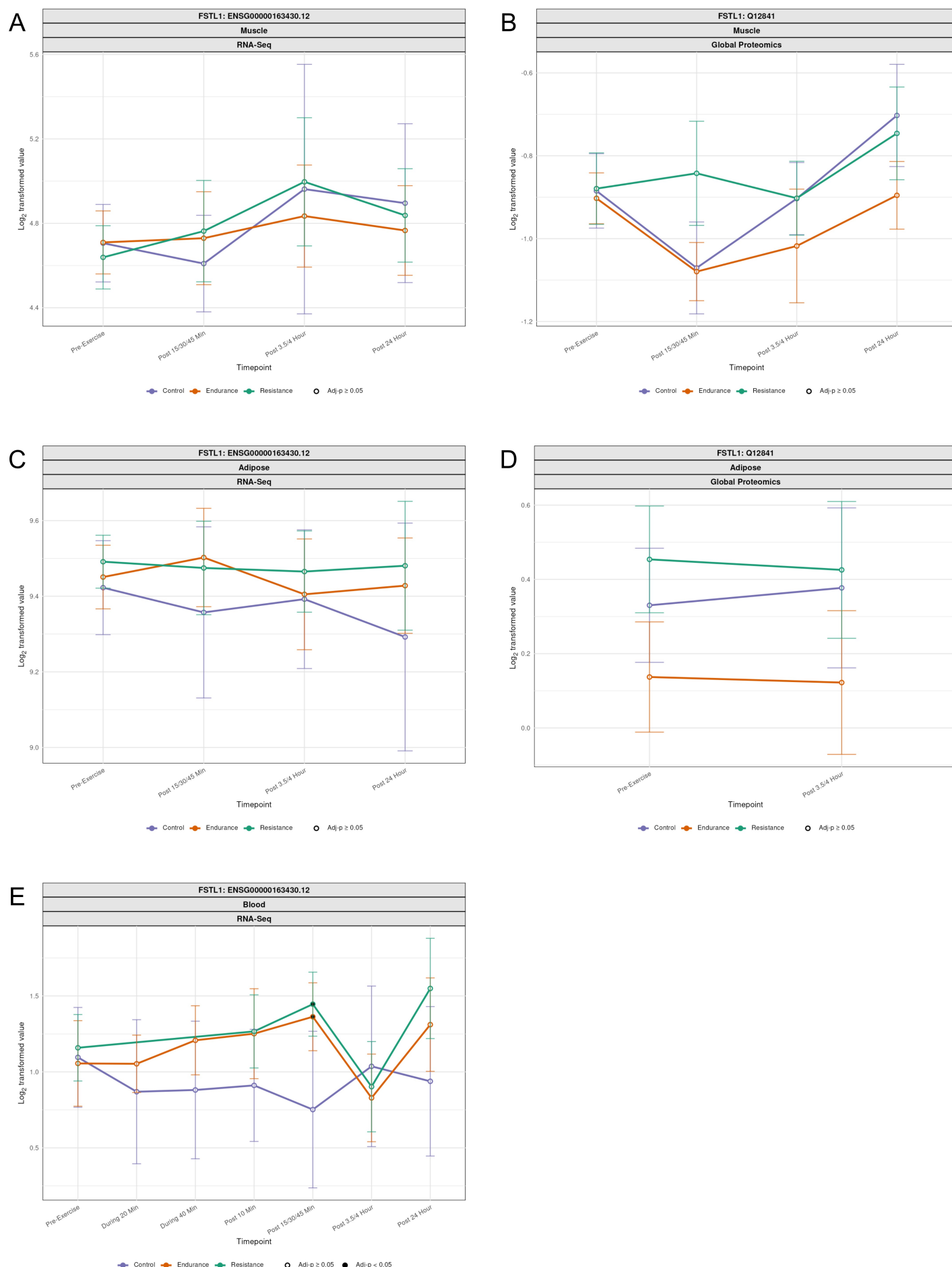
⁷College of Arts & Sciences, University of Oregon, Eugene, OR 97403, USA.

⁸College of Arts & Sciences, Northwestern University, Evanston, IL 60208, USA.

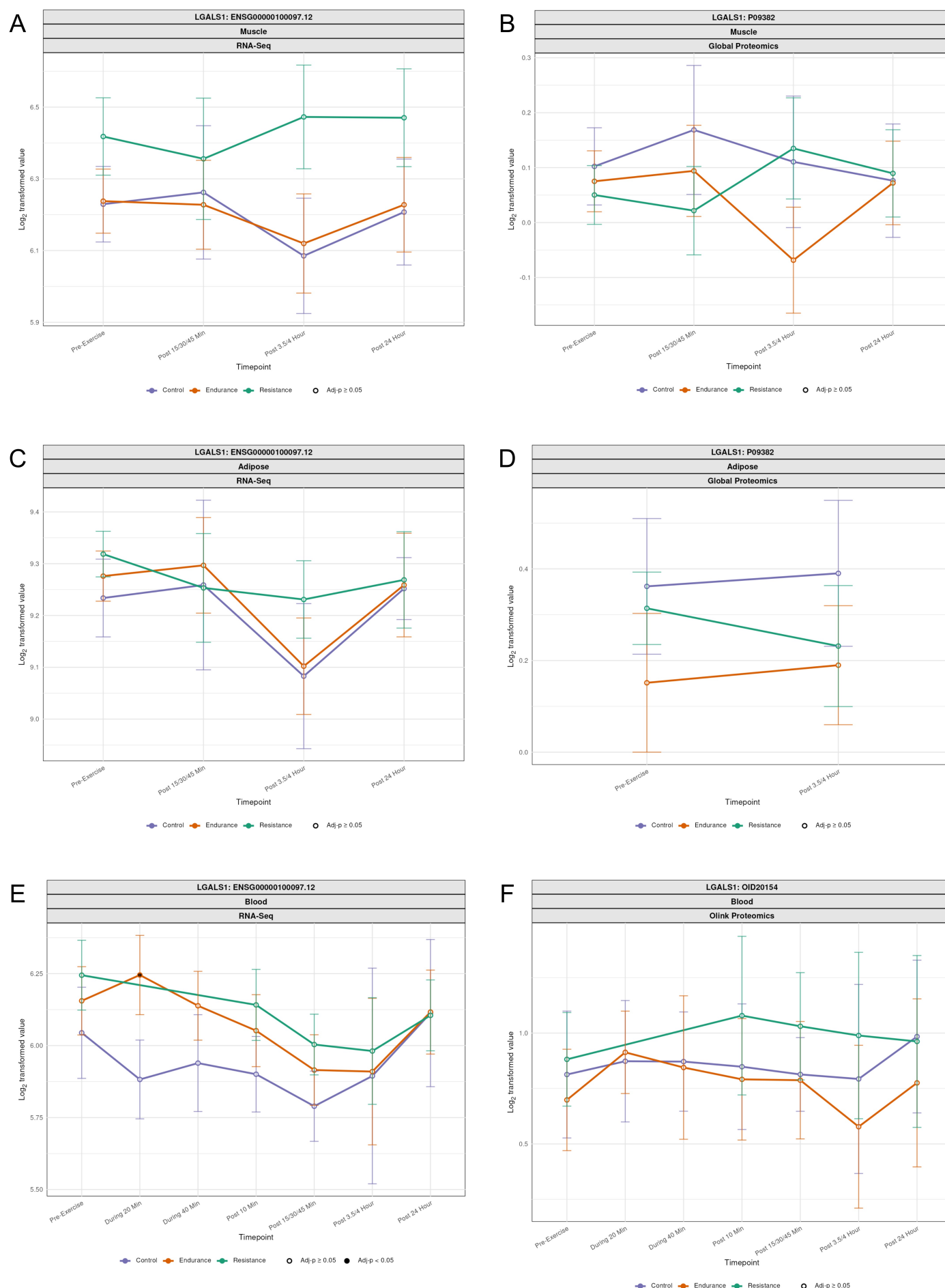
⁹College of Arts & Sciences, University of Georgia, Athens, GA 30602, USA.

¹⁰Independent researcher.

Correspondence to: Hash Brown Taha, Independent researcher. E-mail: hashbrown@ucla.edu



Supplementary Figure 1. Transcriptomic and proteomic dynamics of FSTL1 across tissues before and after exercise. Log₂ transformed expression values for FSTL1 mRNA and protein across (A and B) skeletal muscle, (C and D) subcutaneous adipose tissue, and (E) whole blood (transcriptomics only) across control, endurance, and resistance exercise groups at various exercise and recovery timepoints. Data adapted from the Molecular Transducers of Physical Activity Consortium (MoTrPAC) Visualization Portal (<https://data-viz.motrpac-data.org/precawg/>). Data used under open-access usage guidelines and no external copyright permissions were required.



Supplementary Figure 2. Transcriptomic and proteomic dynamics of LGALS1 across tissues before and after exercise. Log₂ transformed expression values for LGALS1 mRNA and protein across (A and B) skeletal muscle, (C and D) subcutaneous adipose tissue, and (E and F) whole blood across control, endurance, and resistance exercise groups at various exercise and recovery timepoints. Data adapted from the Molecular Transducers of Physical Activity Consortium (MoTrPAC) Visualization Portal (<https://data-viz.motrpac-data.org/prekawg/>). Data used under open-access usage guidelines and no external copyright permissions were required.