

Supplementary Figures for:

Metabolic Signatures of Performance in Elite World Tour Professional Cyclists

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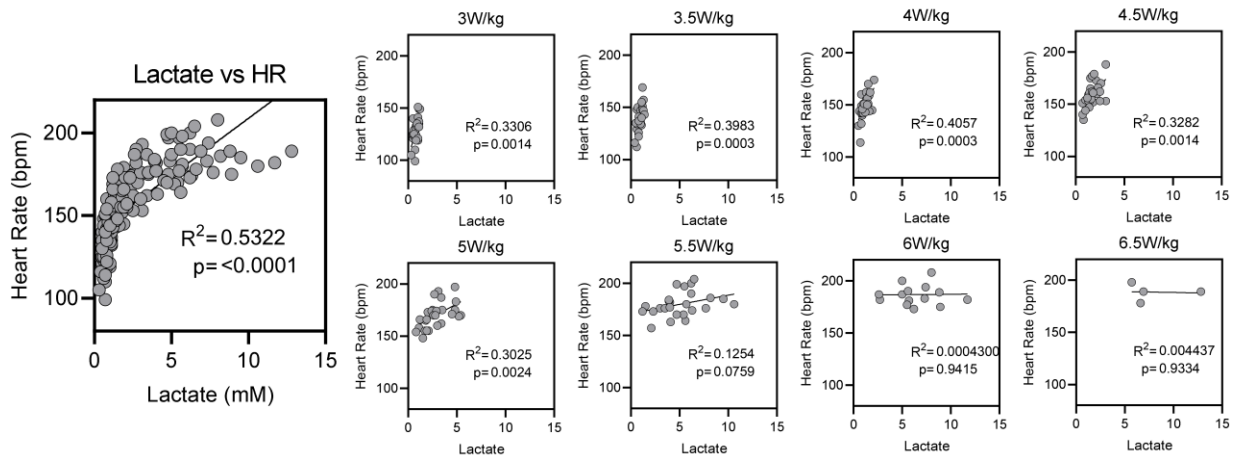
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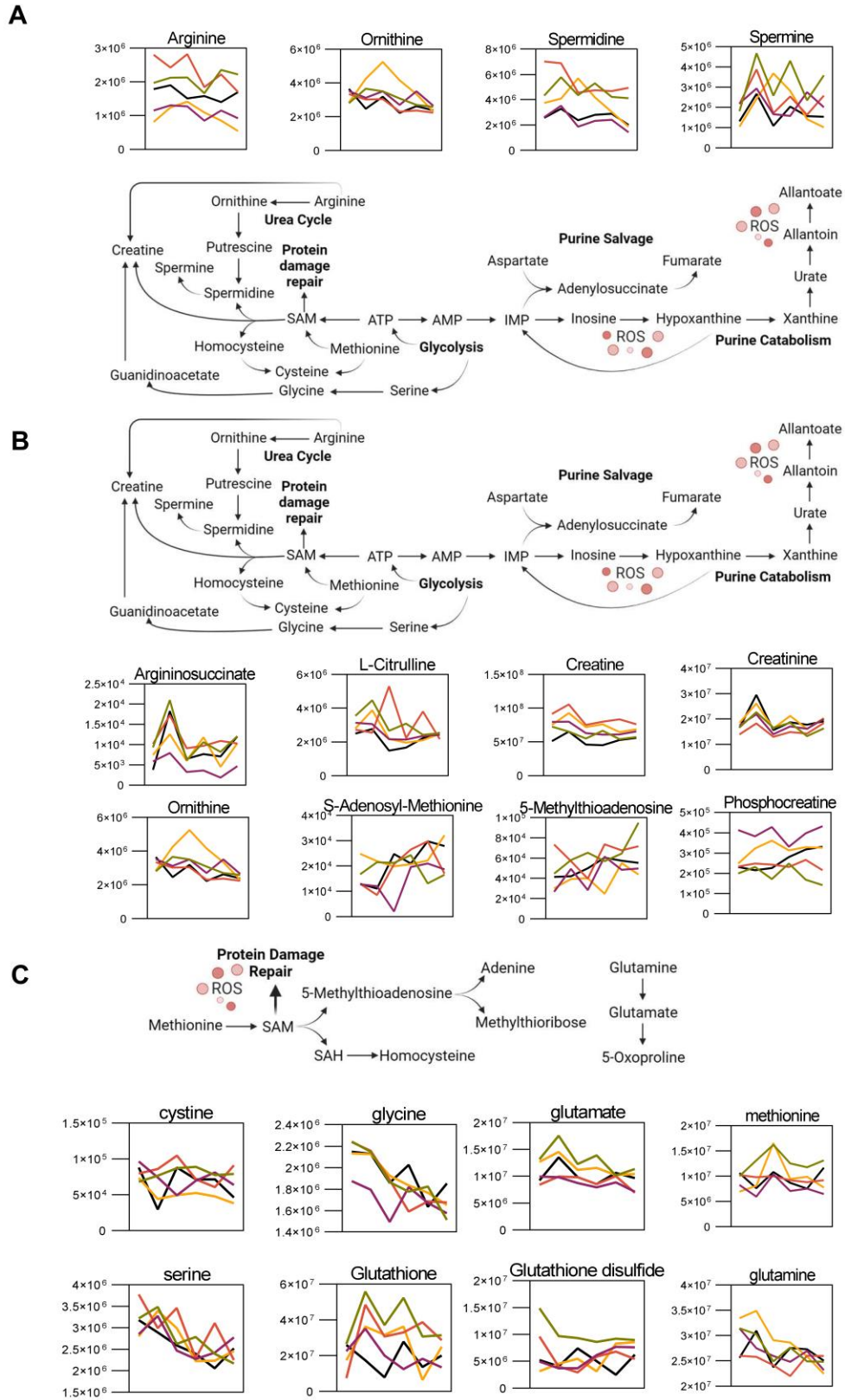
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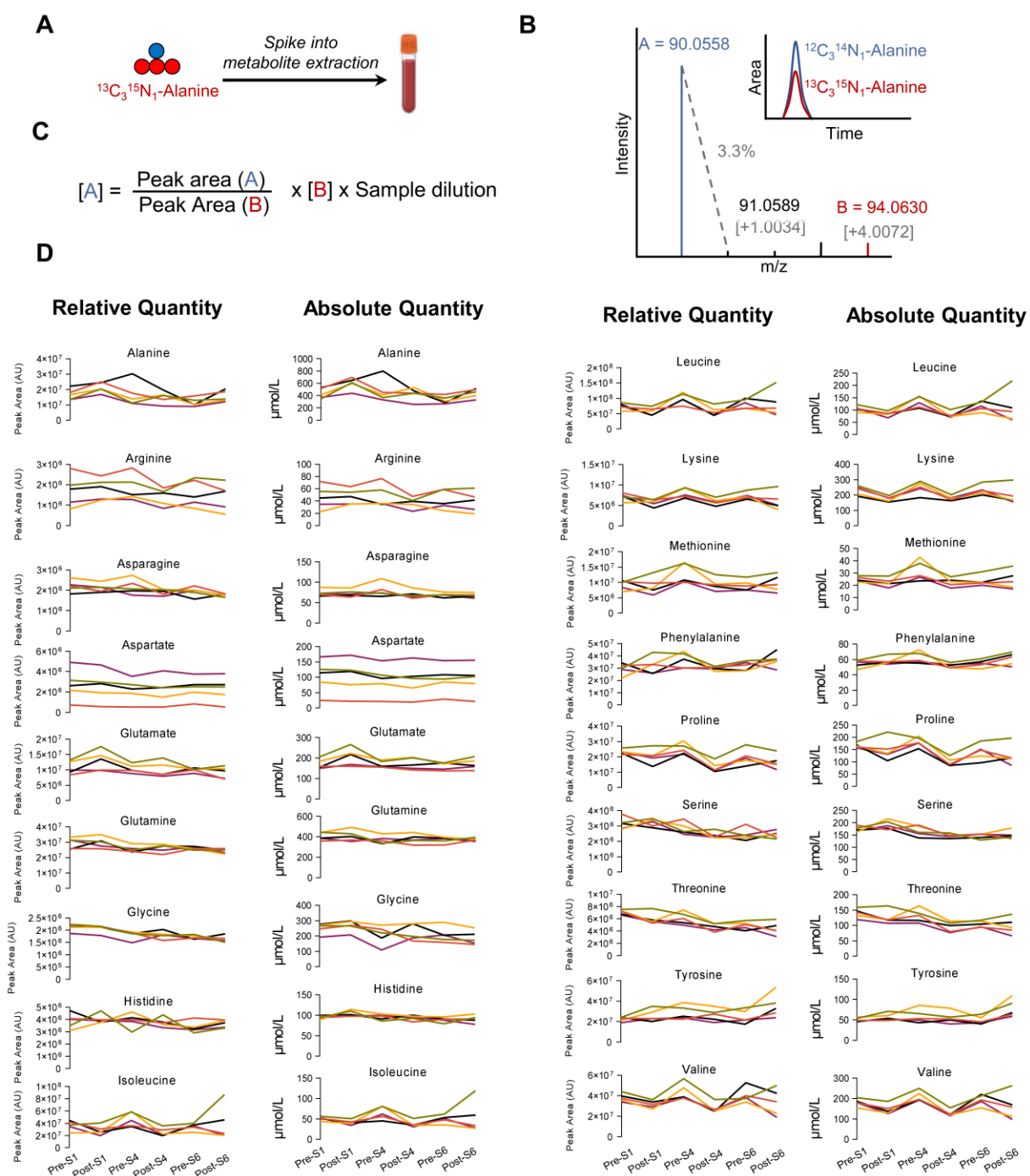
SUPPLEMENTARY FIGURES.....	2
<i>SUPPLEMENTARY FIGURE 1</i>	2
<i>SUPPLEMENTARY FIGURE 2</i>	3
<i>SUPPLEMENTARY FIGURE 2</i>	4



Supplemental Figure 1 Correlation between lactate and heart rate during the Maximum Physiology Test.



Supplemental Figure 2 Individual Cyclist Analysis during a Multistage World Tour Race. Longitudinal profiles during the course of the race for (A) nitrogen metabolism, (B) connection with purine salvage, and (C) redox metabolism and protein damage repair.



Supplemental Figure 3 Absolute quantitation of amino acids against stable isotope-labeled internal standards.

For hydrophilic molecule analysis, samples were extracted in presence of $^{13}\text{C}^{15}\text{N}$ -amino acid cocktails, which were used as internal standards for quality control, as well as for quantitation of amino acids through determination of ratios of endogenous, unlabeled compounds vs internal heavy labeled isotopologues (B), according to the formula in C. Relative peak areas and absolute quantitative values (μM) are displayed on the y axis in each side-by-side graph for all amino acids.