

## Peer Review File

Secretome profiling reveals acute changes in oxidative stress, brain homeostasis, and coagulation following short-duration spaceflight



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**Editorial Note:** This manuscript has been previously reviewed at another journal. This document only contains reviewer comments and rebuttal letters for versions considered at *Nature Communications*. Mentions of the other journal have been redacted.

#### REVIEWERS' COMMENTS

Reviewer #1 (Remarks to the Author):

This is a valuable study that applies powerful analytical techniques and data processing approaches to provide unique insight into the systematic changes induced by short-duration spaceflight. It will be an important and influential report.

The authors have addressed all of my previous comments (reviewer #3 of [REDACTED] submission), and I recommend acceptance of this work. Congratulations on this nice effort!