Editors' comments and author responses

Mitochondrial plasticity in trypanosomatids as a stress adaptation mechanism

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Manuscript edited 2022-12-13: *Only major points included.*

Editors

L65: Succinate oxidation may be inhibited on several sites different from CII (CIII and CIV).

Authors

I agree, but an advantage of CII inhibition by malonate was to point the existence of a residual oxygen consumption derived from another substrate oxidation. If an inhibitor of CIII or CIV was used to measure succinate oxidation, this residual consumption could not be detected.

Editors

L98: Should 'activity' of an inhibitor be replaced by 'effect on enzyme activity'?

Authors

Yes, I agree with the replacement. Thanks for the suggestion.

Editors

Uptake and consumption are two different processes. In the present context, consumption (respiration) appears to be the focal point, which is compensated by uptake at steady state.

Authors

Yes, I agree with consumption. Thanks for the correction.

Editors

"active ETS, accompanied by mitochondrial membrane potential and oxygen consumption" – is 'increase of mitochondrial membrane potential' the intended message?

Can you explain the rationale between the use of hydrogen peroxide (H_2O_2) and increased fermentative metabolism?

Authors

Some changes were performed to improve the sentence.