***eLife’s* transparent reporting form**

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Fig. 2 in our manuscript contains the only results that rely on stochastic sampling rather than deterministic solution for a steady-state distribution. Sample size and length of simulation are detailed in the Materials and Methods, Lines 556-560.

* You should report how often each experiment was performed
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Please indicate the figures or tables for which source data files have been provided:

Source data files, including code for generating the figures, are provided for Fig. 3, 4, 5, 6, Appendix 3 Fig 1.

All source code for running simulations and numerical calculations is provided on Github:

https://github.com/lenafabr/mitoManuscriptCodes