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* If no explicit power analysis was used, you should describe how you decided what sample (replicate) size (number) to use

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Sample size, n, for each experiment was given in the figure legends.

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* You should report how often each experiment was performed
* You should include a definition of biological versus technical replication
* The data obtained should be provided and sufficient information should be provided to indicate the number of independent biological and/or technical replicates
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All experiments were performed at least three times.

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* Statistical analysis methods should be described and justified
* Raw data should be presented in figures whenever informative to do so (typically when N per group is less than 10)
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* Report exact p-values wherever possible alongside the summary statistics and 95% confidence intervals. These should be reported for all key questions and not only when the p-value is less than 0.05.

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Statistical significances for ThT fluorescence kinetic assay, enzyme activity and SMPull-down assay were based on Student’s t-test. Statistical significances for Quantification of mitoGFP intensity, the Brp level and the actin-GFP level was based on One-way ANOVA post hoc Tukey test.

(For large datasets, or papers with a very large number of statistical tests, you may upload a single table file with tests, Ns, etc., with reference to sections in the manuscript.)

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* Indicate how samples were allocated into experimental groups (in the case of clinical studies, please specify allocation to treatment method); if randomization was used, please also state if restricted randomization was applied
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* Where provided, these should be in the most useful format, and they can be uploaded as “Source data” files linked to a main figure or table
* Include model definition files including the full list of parameters used
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Please indicate the figures or tables for which source data files have been provided:

The source data of Figure 1B, Figure 1D-F, Figure 2C-D, Figure 3A-E, Figure 5B-D, Figure 1—figure supplement 4, Figure 1—figure supplement 7, Figure 2—figure supplement 2, Figure 2—figure supplement 4 and Figure 6—figure supplement 1B have been provided in the source data file.