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

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* You should state whether an appropriate sample size was computed when the study was being designed
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An appropriate sample size was designed according to the field of research.

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* Statistical analysis methods should be described and justified
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* For each experiment, you should identify the statistical tests used, exact values of N, definitions of center, methods of multiple test correction, and dispersion and precision measures (e.g., mean, median, SD, SEM, confidence intervals; and, for the major substantive results, a measure of effect size (e.g., Pearson's r, Cohen's d)
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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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Raw and metadata are provided for Figures 4, 5, 6, 7, 8 and 9 as well as for Appendix 1 Figures 1, 2 and 3. Figure 1 represents scheme of early BRI1 signaling and Figure 2 the scheme of the used model structure. Predominantly published scRNA-Seq data were used for Figure 3.