## **Supporting Information**

## Apte and Marshall 10.1073/pnas.1212277109

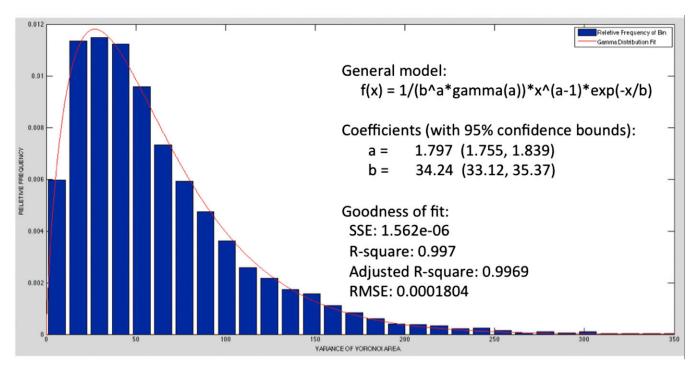


Fig. S1. Gamma distribution fit of the results of a simulation of a random cell with five organelles. This gamma distribution fits the simulation with an  $R^2$  value of 0.997. RMSE, root mean square error; SSE sum of squared errors.