







**Figure S3. Violin plots.** Measured morphological data (Length, Width, Area, Aspect ratio and Curvature) are represented on violin plots for each mutant and its corresponding wild-type. The result for Kolmogorov-Smirnov test for comparing the two distributions is noted on each plot: ns indicates that the difference between the distributions of the mutant and wild-type samples is not significant ( $p\text{-value} > 0.05$ ), while significance is denoted by stars in the following way: \* if  $0.005 < p\text{-value} \leq 0.05$ , \*\* if  $0.0005 < p\text{-value} \leq 0.005$ , \*\*\* if  $0.00005 < p\text{-value} \leq 0.0005$  and \*\*\*\* if  $p\text{-value} \leq 0.00005$ . Test results are summarized in table 2 of the main text.