

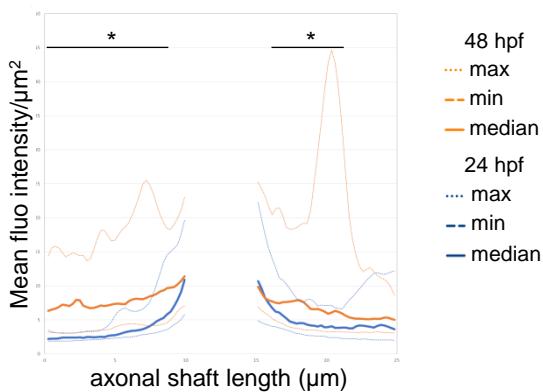
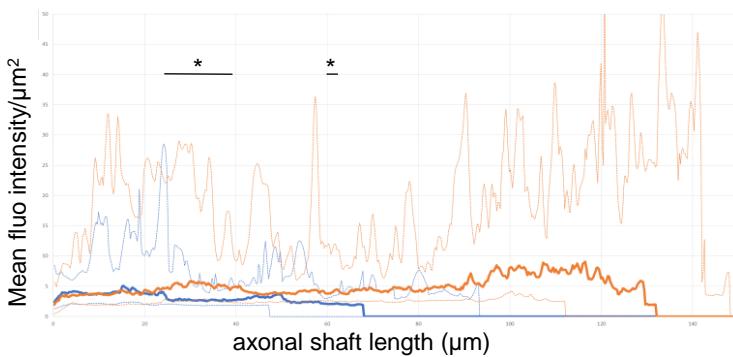
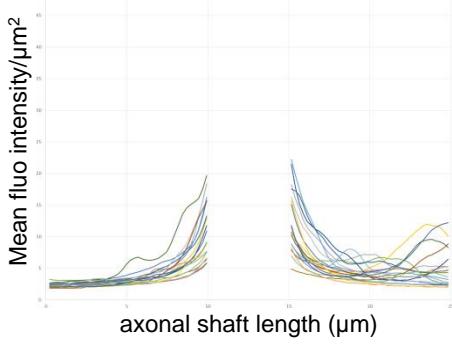
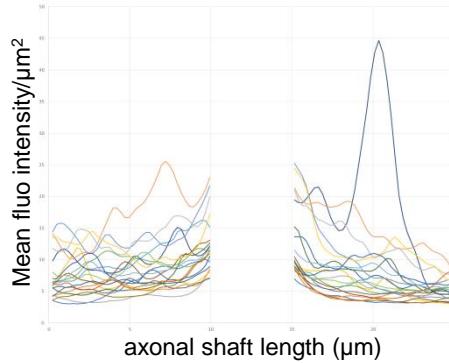
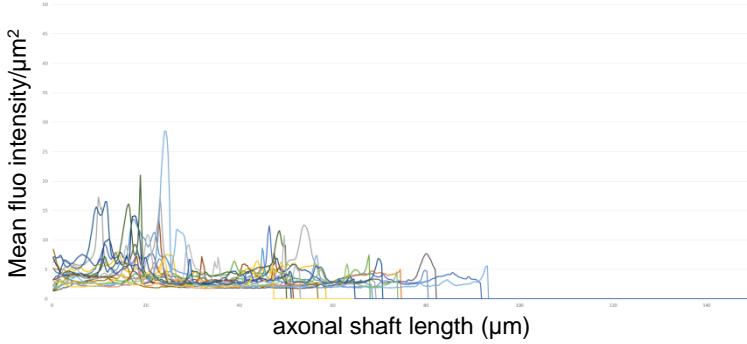
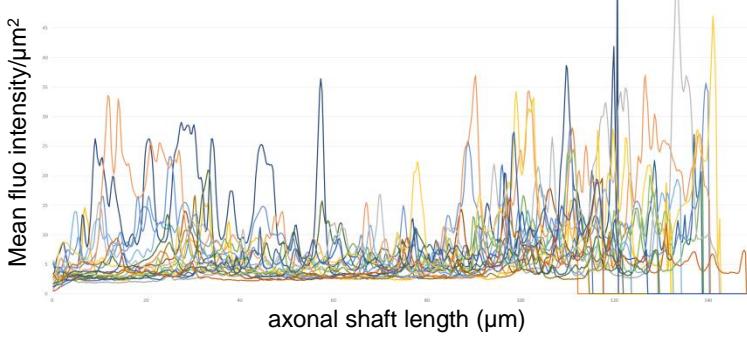
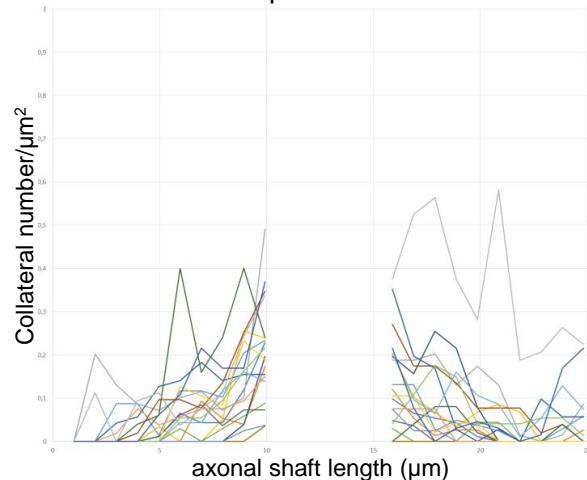
a sSTR transverse profiles**b sSTR longitudinal profiles****C sSTR transverse profiles – 24 hpf individuals****sSTR transverse profiles – 48 hpf individuals****d sSTR longitudinal profiles – 24 hpf individuals****sSTR longitudinal profiles – 48 hpf individuals**

Figure S1. Median, min and max values obtained for mean fluorescence intensity / μm^2 (top panels) calculated from the transverse (a) and longitudinal (b) profiles of 24 hpf (dark blue) and 48 hpf axons (orange). *, significantly different profiles using Mann-Whitney tests corrected for multiple comparisons (individual pvalues in Tables S3 and S4).

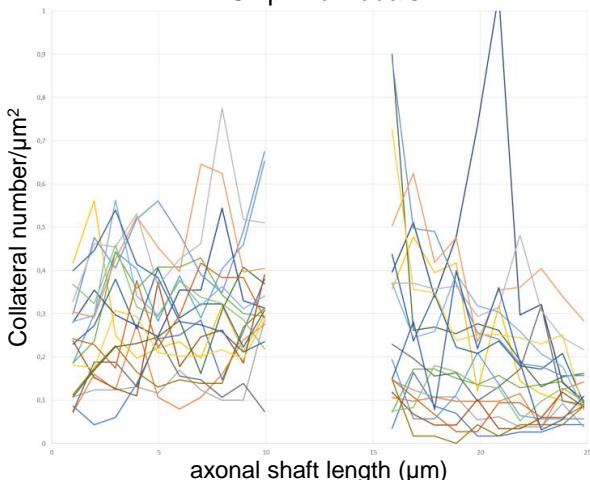
Individual transverse (c) and longitudinal (d) profiles from 19 fluorescence intensity images of 24 hpf axons and 20 fluorescence intensity images of 48 hpf axons.

a

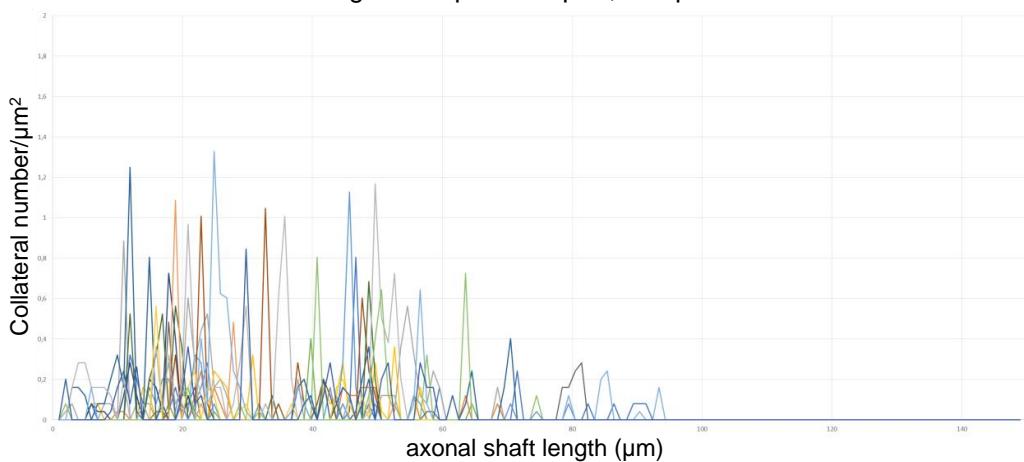
sMASK transverse profiles / μm^2 ,
24 hpf individuals



sMASK transverse profiles / μm^2 ,
48 hpf individuals

**b**

sMASK longitudinal profiles / μm^2 , 24 hpf individuals



sMASK longitudinal profiles / μm^2 , 48 hpf individuals

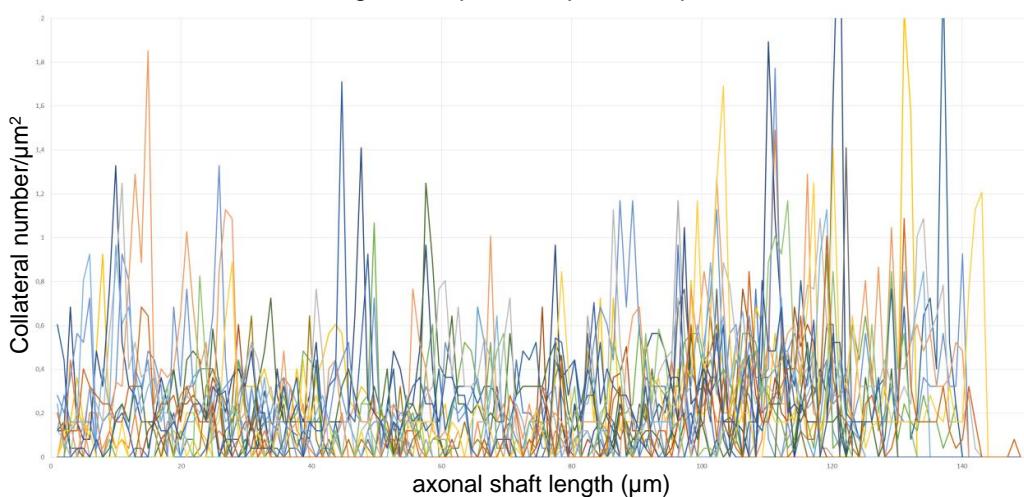


Figure S2. Individual transverse (a) and longitudinal (b) profiles from 19 mask images of 24 hpf axons and 20 mask images of 48 hpf axons.