



**S22 Fig. Measurement of the DNAI2 fluorescence intensity along the ciliary axonemes of *DNAAF4/DYX1C1*-mutant respiratory cells.** Intensity profile of DNAI2 signal (red) shows absence or severe reduction of DNAI2 in ciliary axonemes of *DNAAF4/DYX1C1*-mutant cilia (OP-3399), when compared to control cells (S19 Fig). The red boxes indicate the path of the intensity profile. Five representative examples are shown.