



Figure S3. Mitochondrial transport is not affected in *Opa1*-deficient axons

(A) Representative kymographs of axons (shown above respective kymographs) from neurons co-transfected with mito-mCherry and control or *Opa1* siRNAs. Schematic of different colour-coded transport types is shown below. Bars: 10 μm (B) The percentage of mitochondria belonging to a given length bin was averaged from 3 independent experiments (131-211 mitochondria were measured in each experiment). Bars represent SEM. p values were calculated with the χ^2 test. Control vs. *Opa1* (oligo A): $p = 10^{-4}$; Control vs. *OPA1* (oligo B): $p = 1.4 \times 10^{-6}$. (C) Quantification of mitochondrial occupancy per axon ($n = 3$ experiments; at least 8 axons per experiment). p value was determined with Student's t -test. (D) Quantification of mitochondrial transport types in the axon. Data represent mean \pm SEM of 3 independent experiments. At least 8 axons from each experiment were analyzed.