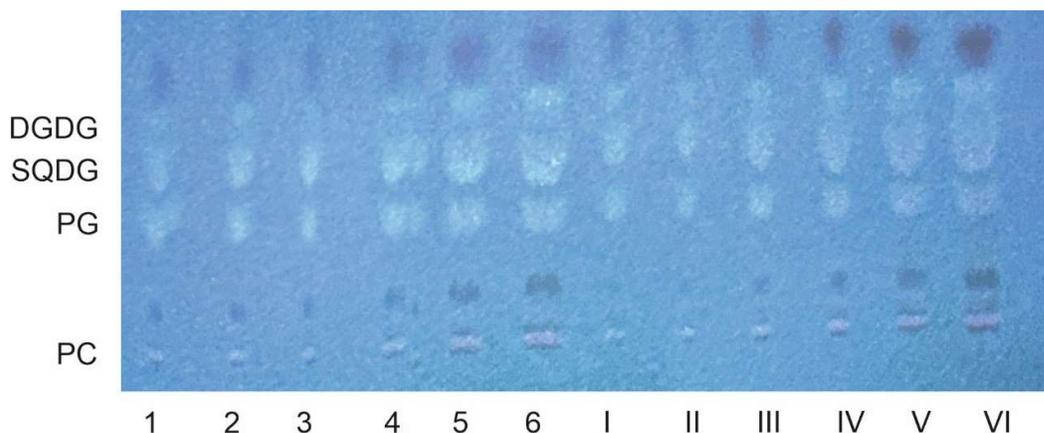


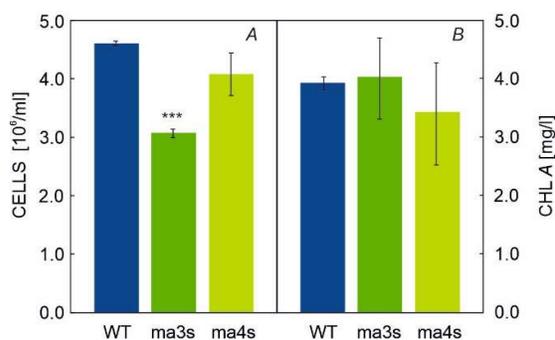
Supplemental Material

Fig. 1S



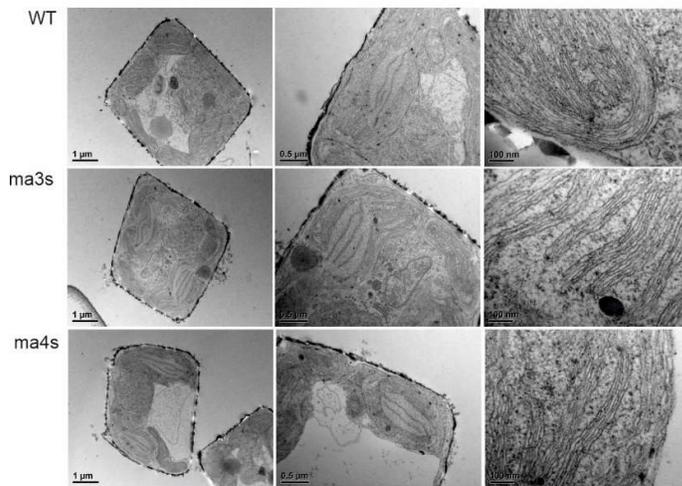
Example for a TLC plate using dilution series of lipid extracts from WT (Arabic numerals) and *ma3s* (Roman numerals). Lanes 1/I correspond to 0.2 µl of extract. For the following lanes, 1.6 times the volume was loaded each. Extracts from WT and *ma3s* were done starting from equal amount of cells. To verify that no differences in losses had occurred, Chl was measured again on the extracts and the same ratio as for cells was found in between WT and *ma3s*. Intensities of the spots were analysed using ImageJ. To determine the ratio between the amounts of SQDG in WT and mutants, regression lines of the signal intensities versus volume were calculated and the ratio of the slopes was determined.

Fig. 2S



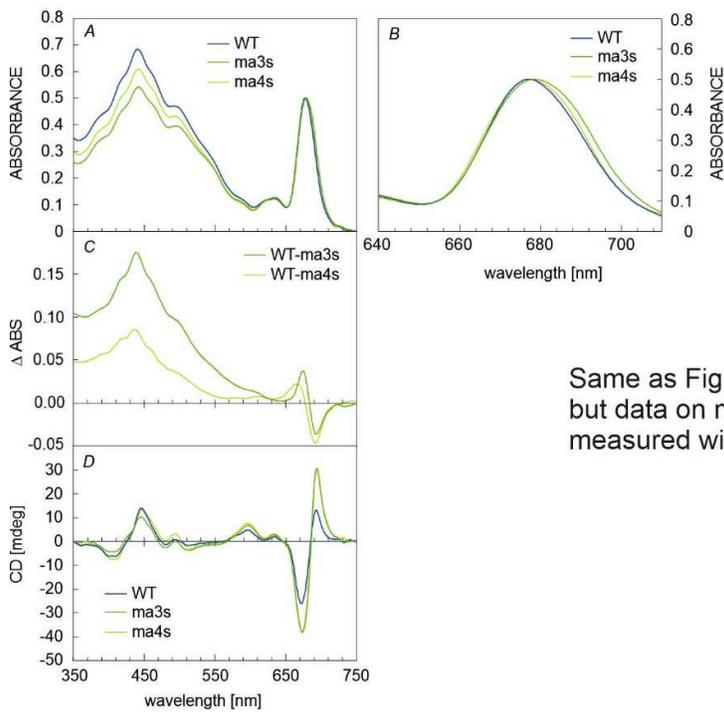
Basic characterisation of *sqd1*-mutants. Cell number (A) and Chl content (B) per culture volume after 5 days of culturing. Values represent means and standard deviations of two biological replicates tested in triplicate. *** denotes a significant difference to WT with $p < 0.005$

Fig. 3S



Same as Figure 3 from the main text, but data on ma4s are shown as well

Fig. 4S



Same as Figure 4 from the main text, but data on ma4s are included. Ma4s was measured with a Qy absorbance of 0.61.