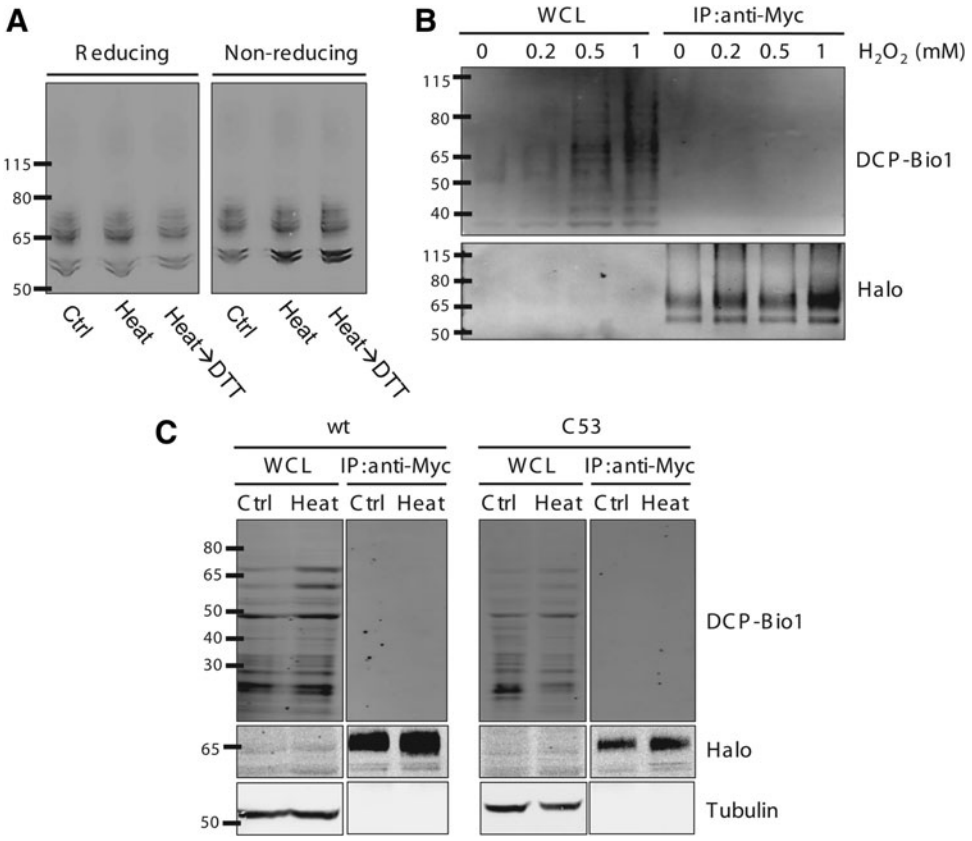

SUPPLEMENTARY FIG. S5. No disulfide bonds nor sulfenylation is detectable in HaloAQP8. (A) Western blot analyses under reducing or nonreducing conditions (*left and right panels*, respectively) do not reveal changes in the electrophoretic mobility of HaloAQP8 recombinant protein. The bands stained by anti-Halo correspond to HaloAQP8 nonglycosylated (a doublet of approximately 60–62 kDa) or glycosylated monomers ($\sim$ 71 kDa) and SDS-insoluble oligomers ($\sim$ 142 kDa). **(B)**. HeLa cells expressing myc-tagged HaloAQP8 were exposed to increasing amounts of H_2O_2 and treated during lysis in NP40 with a biotinylated probe designed to detect sulfenylated proteins (DCP-Bio 1). Aliquots of the lysates (WCL) and of the anti-myc immunoprecipitates were then resolved electrophoretically and blotted to detect sulfenylated proteins (streptavidin-FITC, *top panel*) and HaloAQP8 (anti-Halo, *lower panel*). **(C)**. HeLa cells expressing myc-tagged wt or C53S HaloAQP8 were heat stressed and lysed in the presence of DCP-Bio1 as in **(B)**. The same blot was then decorated with anti-tubulin (*lower panel*).