Figure S6  Restoration of mitochondrial superoxide ions to wild-type levels upon the re-introduction of PUT2 into the put2∆ mutant. Wild-type H99, put2∆ and complemented put2∆ + PUT2 strains were briefly subjected to culture in YNB supplemented with 10 mM proline, stained with MitoSOX, and the accumulation of ROS in the mitochondria was assessed by flow cytometry. Bar chart presented as average ± standard error of triplicate experiments showed that the put2∆ mutant had significantly enhanced ∆ mean fluorescence intensity (∆ MFI) of oxidized MitoSOX relative to the wild-type or put2∆ + PUT2 strains (*** denotes P < 0.001). ∆ MFI is defined by subtracting the background MFI (unstained cells) from the MFI generated from MitoSOX stained cells.