



**Figure S2.** The micrographs of the cells of CRN and CRN/PPN1 strains of *Saccharomyces cerevisiae* stained with 1,2,3-dihydrorhodamine. The strains were cultivated in control YPD medium with 14 mM  $\text{KH}_2\text{PO}_4$  and in the same medium supplemented with 5 mM  $\text{MnSO}_4$  to the logarithmic stage (control - 12 h growth, both strains; 5 mM manganese - 40 h growth, CRN; 16 h growth, CRN/PPN1). (A) - CRN, control YPD; (B) - CRN/PPN1, control YPD; (C) - CRN, manganese excess; (D) - CRN/PPN1, manganese excess.