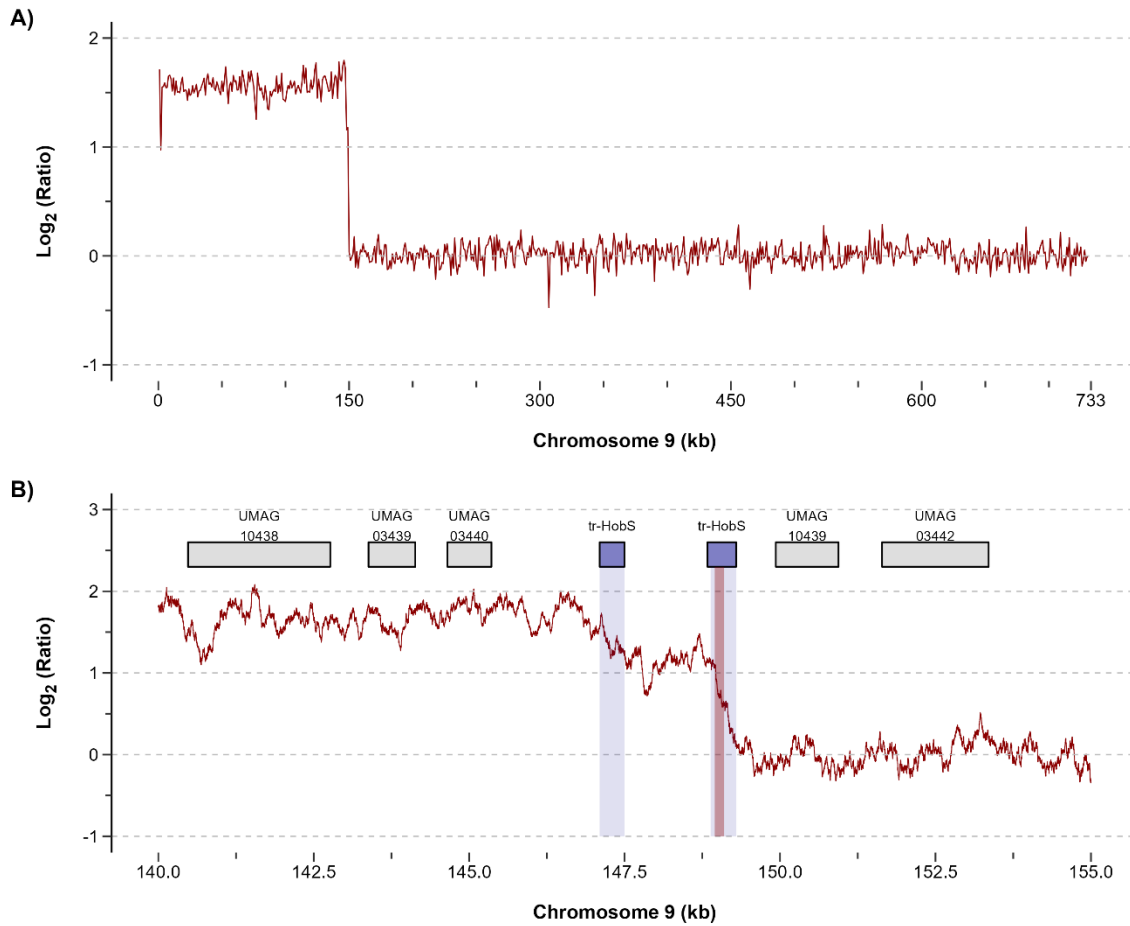
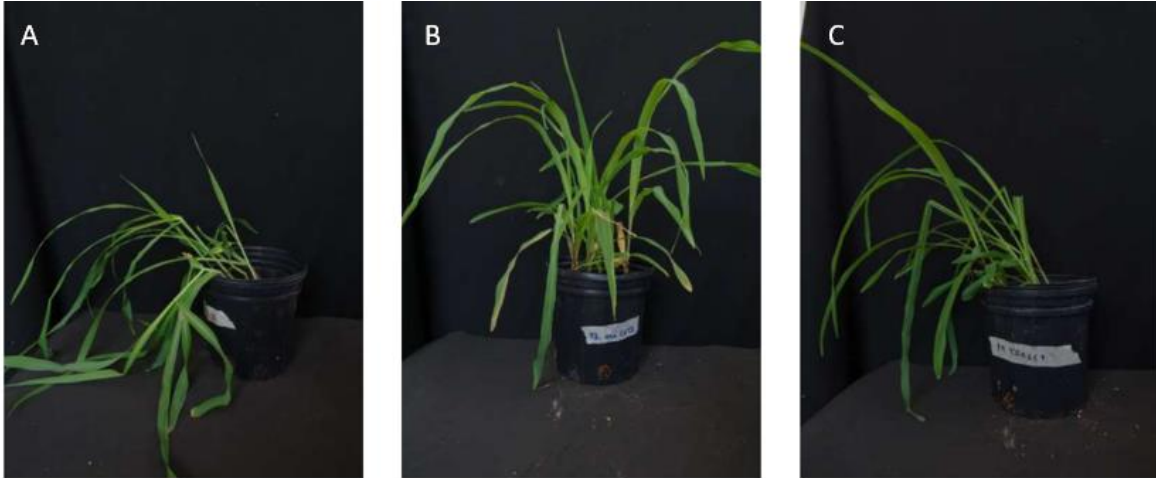
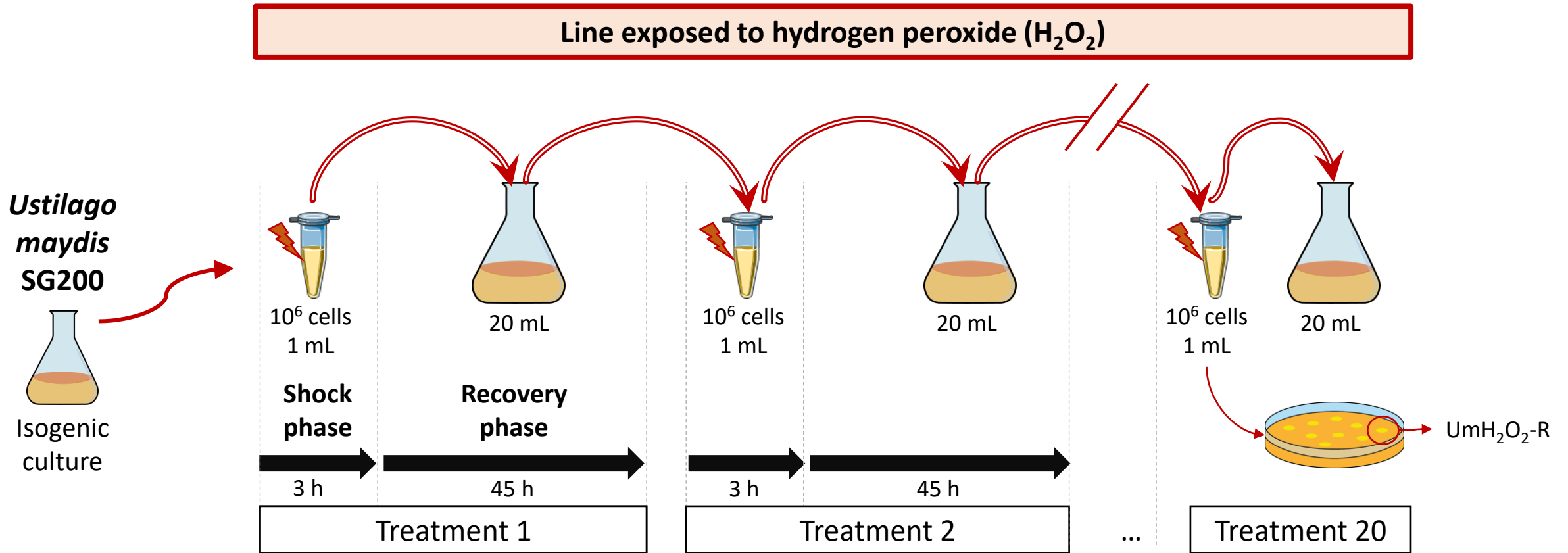




Supplementary Figure 1. Amplification of chromosome nine. **A)** Log_2 ratio of normalized coverage at resolution of 1 kb in non-overlapping windows in the chromosome nine in the adapted colony (UmH₂O₂-R Adapted Strain). **B)** Analysis at base-pair resolution of the log_2 ratio of the normalized coverage of the strain with amplification of chr 9.



Supplementary Figure 2. Virulence assay at 12 days-post-infection. A) *U. maydis* SG20. **B)** oexUMAG_11067. **C)** UmH₂O₂-R adapted strain



Supplementary Figure 3. Experimental approach to adapt the strain *U. maydis* SG200 to hydrogen peroxide. The adapted strain is denoted as $\text{UmH}_2\text{O}_2\text{-R}$ after 20 intermittent shocks with arising concentrations of H_2O_2 .