



Supplementary Figure S3. Maximum-likelihood phylogeny of Aro10 and Pdc1-like proteins. Phylogeny depicting the relationships between W/S clade Aro10 proteins and their closest relatives in the Saccharomycotina and between *W. versatilis* Pdc1 xenologs and the closest related bacterial pyruvate decarboxylase. Branches with bootstrap support higher than 95% are indicated by black dots. Different lineages are represented by different branch colors (red for Saccharomycotina, light brown for other Fungi (i.e., non-Saccharomycotina), orange W/S clade and blue for bacteria). Clades highlighted in grey (Aro10-like and Pdc1-like) were assigned according to the phylogenetic position of functionally characterized *Saccharomyces cerevisiae* proteins.