

S9 Figure. Phylogenetic relationship of the alternatively phased datasets with parental species. The tree was reconstructed with the neighbor-joining algorithm and absolute genetic distance for 800K SNPs. HomeoRoq phased samples have _A and _B in their names to indicate Cbp_{Cg} and Cbp_{Co} subgenomes, respectively, whereas samples phased with HapCUT are marked with _Cg and _Co for the corresponding subgenomes. The reference sequences of the assembled C.bursa-pastoris are named with TARG. CO, CG, ASI, EUR, ME indicate C. orientalis, and C. grandiflora, and Asian, European and Middle Eastern populations of C. bursa-pastoris, respectively.