

Fig. S8. (A) Phylogenetic tree analysis of genes encoding flavonoid glycosyltransferases potentially involved in wheat (obtained by predicting the function of the gene encoding the enzyme) and flavonoid glycosyltransferases reported inother plants. CGT,flavonoid C-glycosyltransferases; 3GT, flavonoid 3-O-glycosyltransferases; 5GT, flavonoid 5-O -glycosyltransferases; 7GT, flavonoid 7-O-glycosyltransferases; GGT, flavonoid glycoside glycosyltransferases; MGT, monolignol glycosyltransferase; 7GT-5GT-3GT, UGTs with at least one of 7-O-,5-O-, and 3-O-glycosyltransferase activity; 7GT-3GT-1, group-I UGTs with at least one of 7-O-and 5-O-glycosyltransferase activity. (B) Phylogenetic tree of MYBs transcription factors in the anthocyanin synthesis pathway of color wheat. (C) Phylogenetic tree of bHLHs transcription factors in the anthocyanin synthesis pathway of color wheat. Phylogenetic tree of bHLHs transcription factors in the anthocyanin synthesis pathway of color server and ser