



Figure 1: Predicted drought stress-related transcription factor target sequence on *HvP5cs1* promoter. (a) The relative position of *cis*-acting elements detected in *HvP5cs1* promoter. Asterisks indicate the number of SNPs detected across the *cis*-elements. Triangle indicates the site of deletions. (b) Shoot proline concentration in five barley genotypes grown inside an automated climate chamber. Bars represent mean + SE (n = 8). (c) Relative mRNA expression of *HvP5cs1* gene. Bars represent mean + SE (n = 3). Indexed letters above the bars indicate significant differences between the genotypes ( $P \leq 0.05$ ), not sharing the same letter under drought conditions. FW, fresh weight