

Figure S1. Heatmaps for kernel-related traits (KA, KW, KL, KC and KL:KW) performance in eight durum wheat genotypes across 15 tested environments.



Figure S2. Kernels of six selected durum wheat genotypes (Norsi, UC1113, NUR-072, NUR-106, Um Qais and Bolenga) grown under supplementary irrigated (IR-JU22) or rainfed (RF-NS22) conditions.

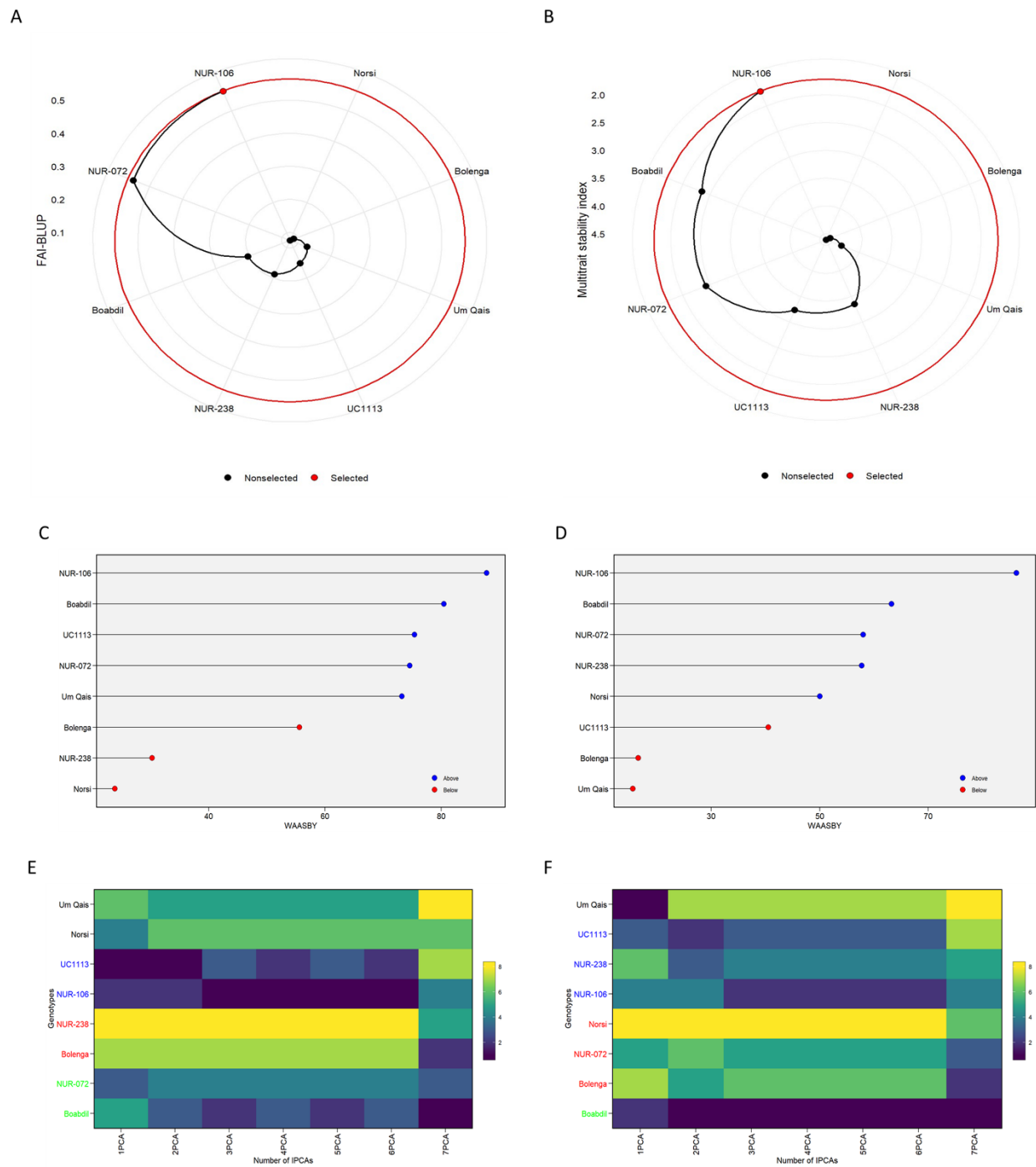
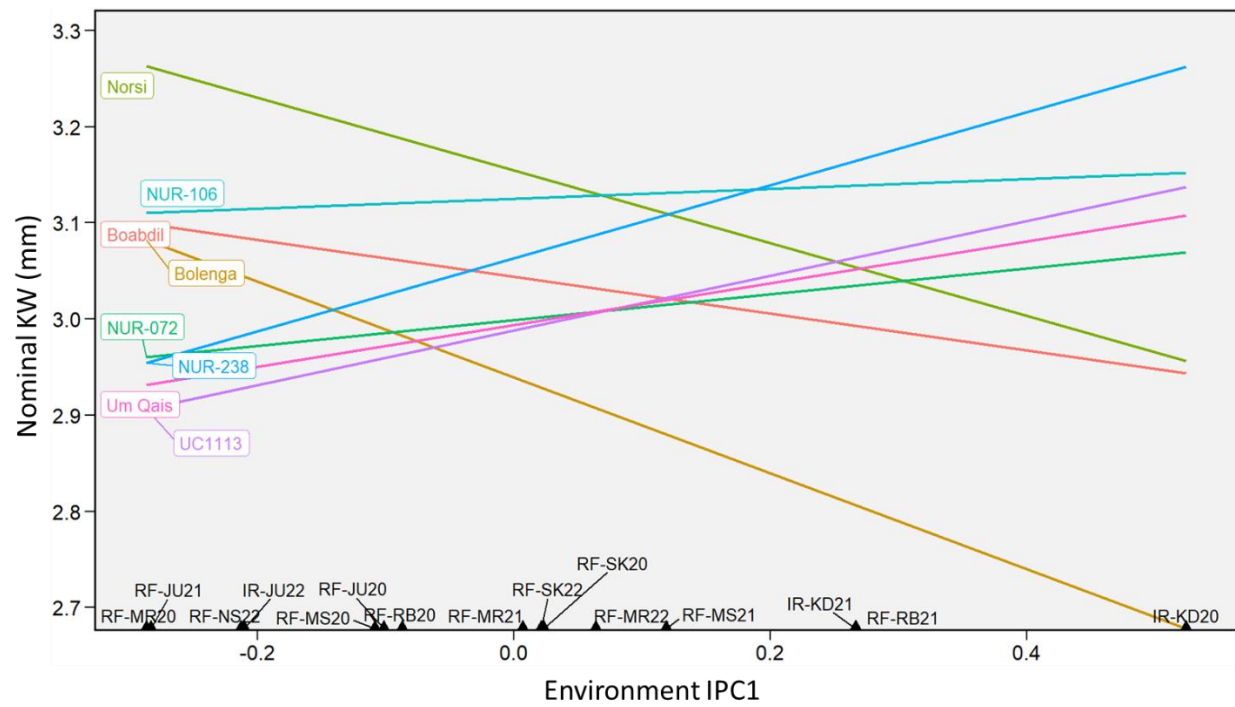
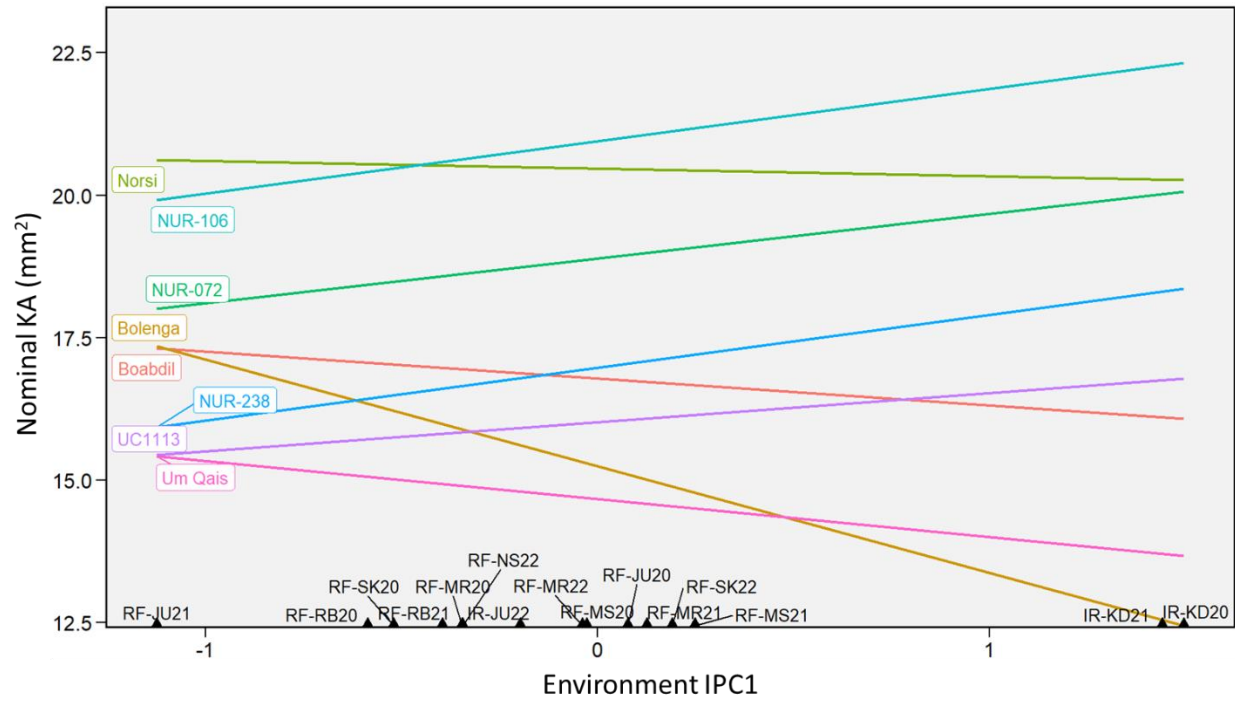
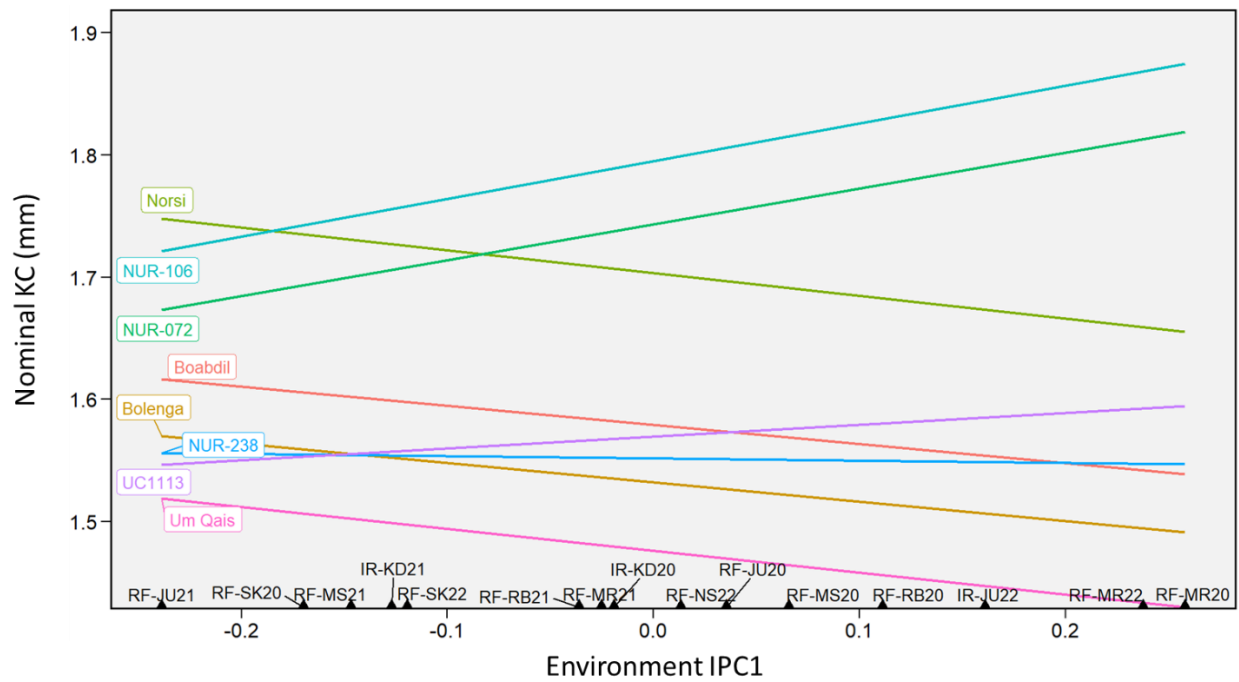
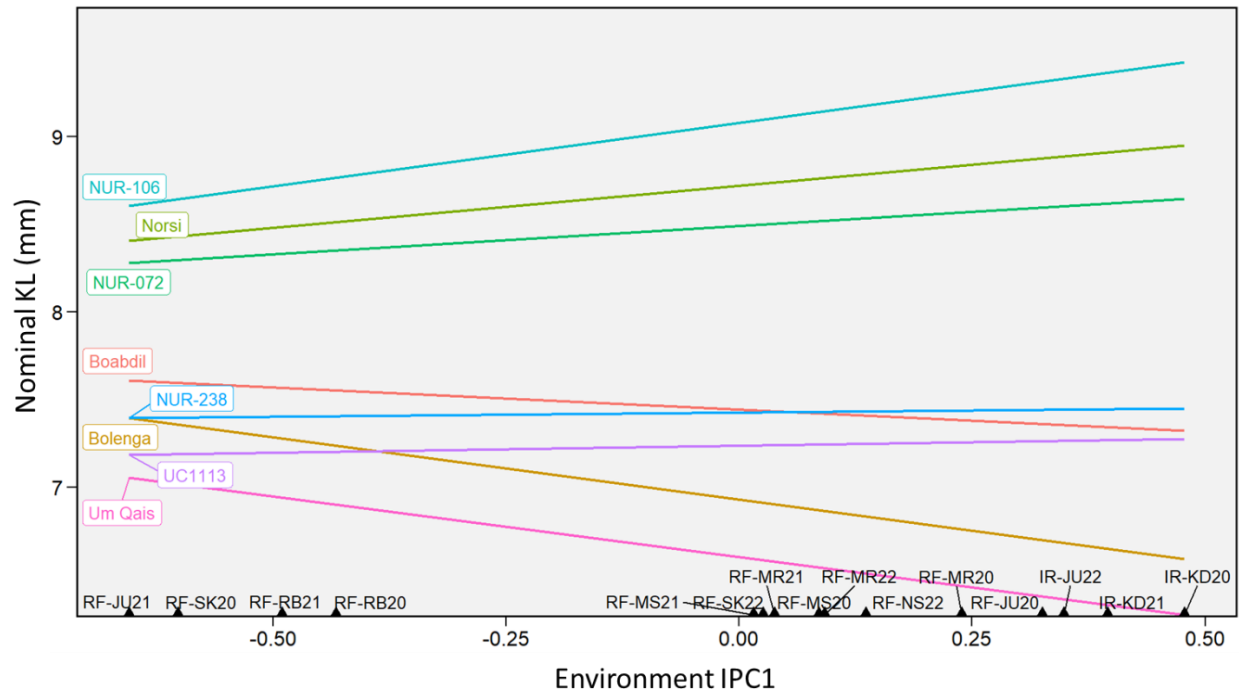


Figure S3. FAI-BLUP (A), MTSI (B), WAASBY (C) and WAASB (D) indices for eight durum wheat genotypes tested across 15 environments.





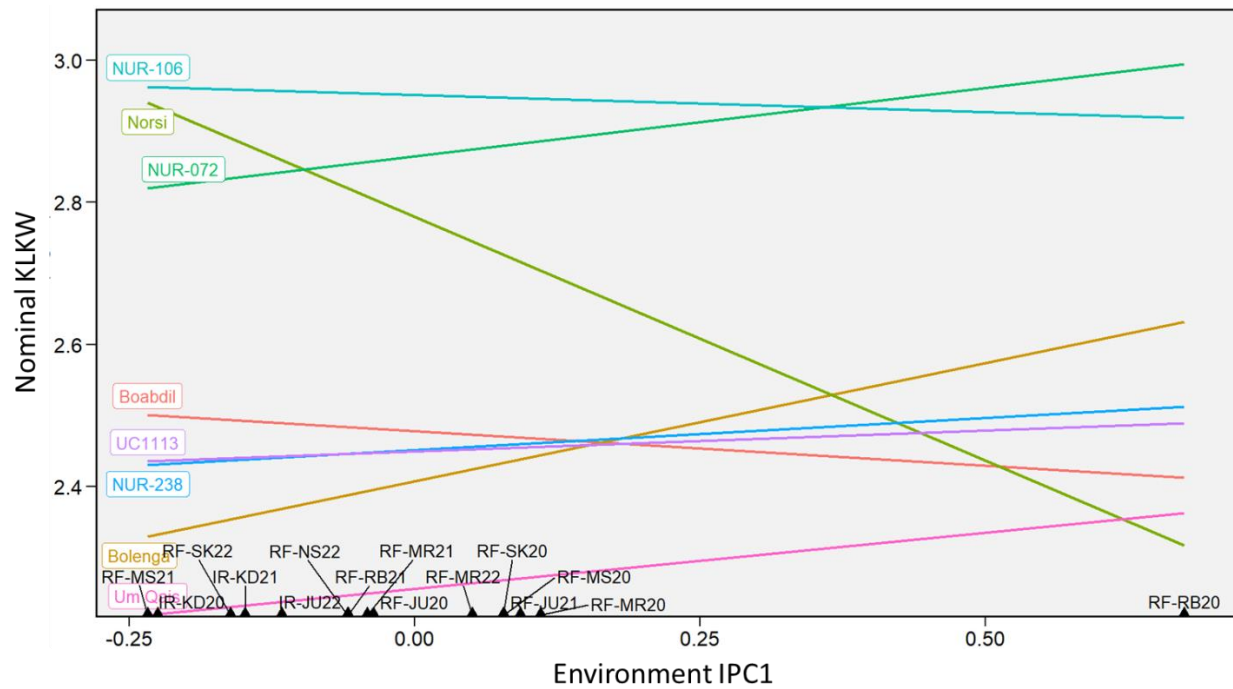


Figure S4. Nominal analysis for kernel-related traits (KA, KW, KL, KC and KL:KW) of eight durum genotypes as a function of the IPC1 scores of 15 tested environments.