

**Table S2:** Analysis of variance of physiological indexes between varieties and treatments (*F value*)

| Source of variation    | DF | CAT<br>(U/<br>mgprot) | POD<br>(U/<br>gFW·min) | SOD<br>(U/<br>gFW) | MDA<br>(nmol/<br>mgprot) | PRO<br>(ug/g) | ABA<br>(ug/<br>L) | TAC<br>(U/<br>mgprot) | SP<br>(mg/g) | SS<br>(ug/<br>mgprot) | CHL<br>(mg/<br>L) |
|------------------------|----|-----------------------|------------------------|--------------------|--------------------------|---------------|-------------------|-----------------------|--------------|-----------------------|-------------------|
| Cultivars              | 1  | 102.25*               | 274.27*                | 7.22*              | 0.046                    | 5.48          | 5.03              | 90.47*                | 72.66*       | 278.36*               | 56.99*            |
| Treatments             | 1  | 217.71*               | 58.85*                 | 48.30*             | 1.278                    | 60.97*        | 5.27              | 121.3*                | 14.07        | 152.10*               | 59.25*            |
| Cultivar×<br>Treatment | 1  | 26.94*                | 97.96*                 | 65.91*             | 53.36*                   | 19.90*        | 0.93              | 43.86*                | 221.95*      | 130.26*               | 39.49*            |

DF, degrees of freedom; CAT, catalase; POD, peroxidase; SOD, superoxide dismutase; MDA, malondialdehyde; PRO, Proline; ABA, abscisic acid; TAC, total antioxidant capacity; SP, soluble protein; SS, soluble sugar; CHL, chlorophyll. \*P < 0.05.