**Supplementary Figure 1.** The matric potential (-bars) curve presented in the graph was estimated using the soil samples before the treatments by soil tensiometer. The percent of soil moisture (Y axis) derived from real-time soil moisture sensors were fitted against the soil matric potential (X axis) under IR (straight line, where soil moisture was -0.55 bars) and DS (dotted line, where soil moisture was -4.65 bars) conditions. Therefore, it was estimated that the soil matric potential was recorded around -0.55 bars under irrigated, -4.65 bars under stress conditions.