



**Figure S1.** Evolution of net photosynthesis ( $A_N$ ) (A), stomatal conductance ( $g_s$ ) (B), transpiration rate ( $E$ ) (C) and intrinsic water use efficiency ( $iWUE$ ) (D) during substrate desiccation experiment for S/R20 (circles) and R20 (triangles) cultivars under well-watered condition (WW, symbols in black) and substrate desiccation treatment (SD, symbols in red). Symbols indicate means + standard error. DAS: days after stress imposition.