



Figure 6. Differentially expressed genes and enriched biological processes under control and chronic O₃ conditions of Koshihikari and Takanari rice cultivars.

Differentially expressed genes (DEGs) with (A) up- and (B) downregulation under chronic O₃ conditions were detected in Koshihikari and Takanari at 66–67 and 89–90 days after the beginning of treatment (DAT) in 2020. The DEG intersections among the four groups of the combination of two cultivars at two growth stages were visualized by connecting groups with plots. The numbers in the columns represent the number of DEGs for each intersection. The positively (C, E, G, I) and negatively (D, F, H, J) enriched GO terms associated with biological process with the top-10 lowest *p*-values are shown for (C–F) Koshihikari and (G–J) Takanari at 66–67 and 89–90 DAT, respectively. Horizontal columns represent the number of DEGs included in enriched GO terms.