

Fig. 9

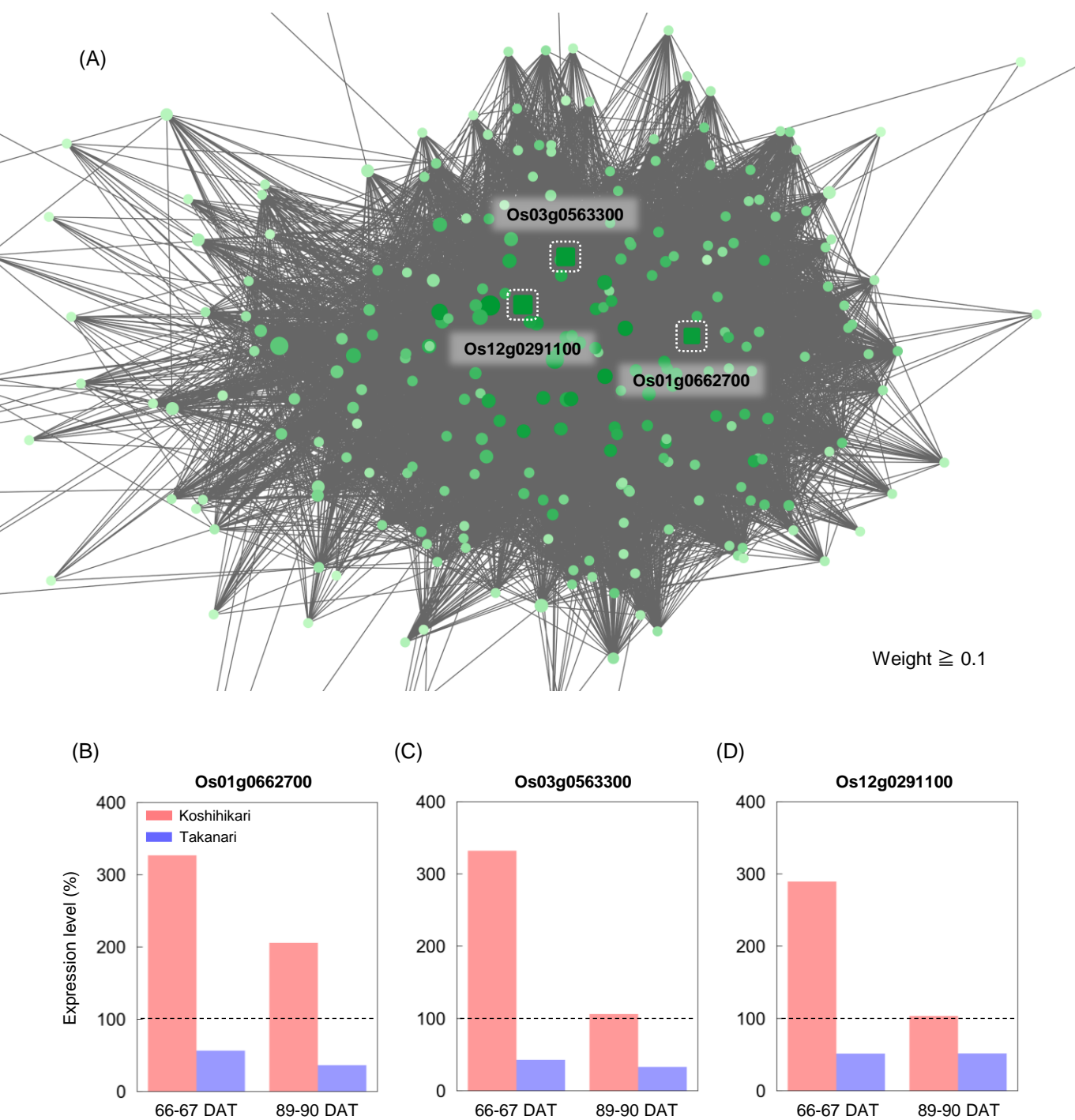


Figure 9. Gene co-expression network of green module in Koshihikari rice cultivar under chronic O₃ conditions (A) The detailed network was visualized for the green module shown in Fig. 7. Each node represents a gene, and the shade and size of the node reflect the values of degree and Betweenness centrality, respectively. Each edge represents the connection between nodes, and the width of edges reflects the weight values. The square nodes are the genes that were detected as hub-gene candidates in the module. In addition, the expression level of the three hub-gene candidates, (B) *Os01g0662700*, (C) *Os03g0563300*, and (D) *Os12g0291100*, was compared in Koshihikari (red) and Takanari (blue) under control and chronic O₃ conditions at 66-67 and 89-90 DAT. The results are shown as relative values (%) of the values obtained under chronic O₃ conditions to those obtained under control conditions (n = 4–5). The dashed line represents the line where the value for each trait is 100%.