



**Supplementary Figure 4.** A strength centrality difference plot for the major depressive disorder subgroup. Supplementary Figure 4 depicts strength difference plots for the major depressive disorder patient group. The top rows represents the nodes which shows the strongest strength in the respective network model, followed by the subsequent rows organized in descending order. The diagonal alignment indicates the strength of the corresponding node, illustrating the significance of the differences between nodes. Black boxes represent significant differences, while gray boxes indicate no difference.