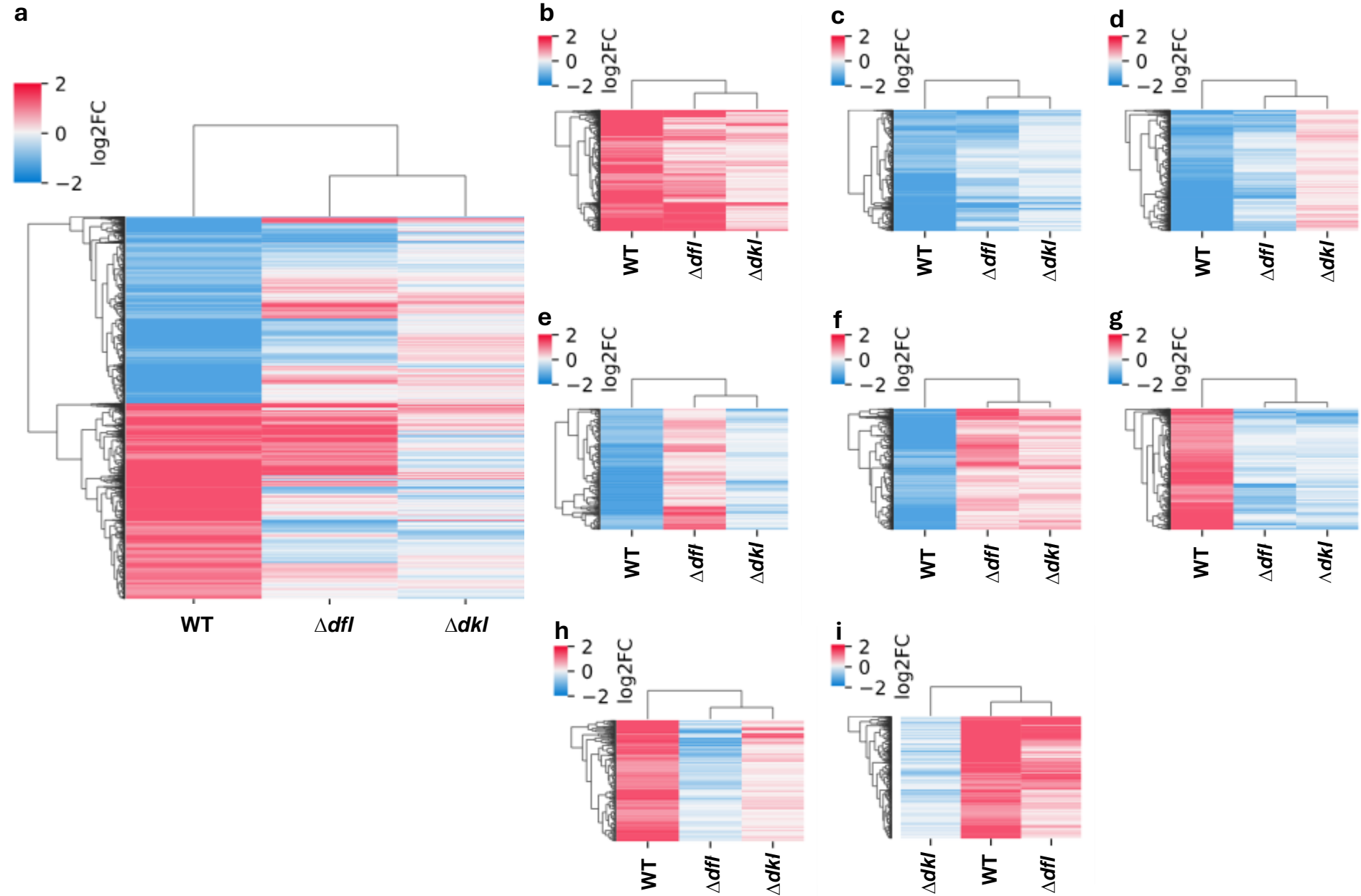


Complete, Manhattan (cityblock)



Supplementary Figure 5. Classification of differentially expressed genes based on \log_2 FC values during reverse transition in the wild-type strain compared to Δdkl and Δdfl mutants. **a** Heatmap representing dysregulation of all differentially expressed genes during reverse transition in the wild-type strain compared to Δdkl and Δdfl mutants. Genes were clustered based on their expression profiles across conditions. **b** Heatmap of genes upregulated in the wild-type (WT, \log_2 FC ≥ 1) and showing a positive trend in both Δdkl (\log_2 FC_dkl > 0) and Δdfl (\log_2 FC_dfl > 0) mutants. **c** Heatmap of genes downregulated in WT (\log_2 FC ≤ -1) and showing a negative trend in both Δdkl and Δdfl mutants. **d** Heatmap of genes downregulated in WT (\log_2 FC ≤ -1) but showing a negative trend in Δdfl and a positive trend in Δdkl . **e** Heatmap of genes downregulated in WT (\log_2 FC ≤ -1) but showing a positive trend in Δdfl and a negative trend in Δdkl . **f** Heatmap of genes downregulated in WT (\log_2 FC ≤ -1) but showing a positive trend in both Δdkl and Δdfl . **g** Heatmap of genes upregulated in WT (\log_2 FC ≥ 1) but showing a negative trend in both Δdkl and Δdfl . **h** Heatmap of genes upregulated in WT (\log_2 FC ≥ 1) but showing a negative trend in Δdfl and a positive trend in Δdkl . **i** Heatmap of genes upregulated in WT (\log_2 FC ≥ 1) but showing a positive trend in Δdfl and a negative trend in Δdkl .