



**Figure S1** Hierarchical clustering analysis of all specific DEGs across different stages in “Ganyu2” and “Ganyu4”. Hierarchical clustering separated all DEGs into three groups, which indicate three Stage-specific expression patterns in “Ganyu2” and “Ganyu4”, respectively. Each row of the heat map represents an individual gene. The gene expression levels are standardized into Z-score and colored in firebrick and navy for high and low expression.