



Fig. S4 The analysis of gene retention of WGD. a. The functional pathway annotation plot of homologous *Arabidopsis thaliana* gene aligned with retained gene after WGD in *Nasturtium officinale*. b. The specific presentation of homologous *Arabidopsis thaliana* gene related to leaf development. c. The distribution of transcription factor numbers related to leaf development in *Nasturtium officinale*. d. The example of gene retention after WGD (*TCP10*). e. The expression patterns of *TCP* transcription factors.