

Supplementary Figures

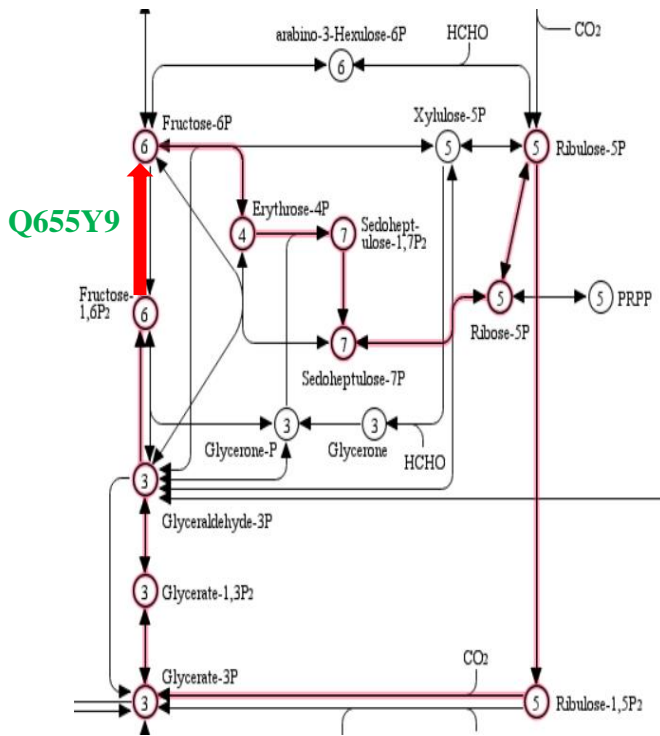
SWATH-MS-based quantitative proteomics reveals a uniquely intricate defense response in *Cnaphalocrocis medinalis*-resistant rice

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Supplementary Figure S1

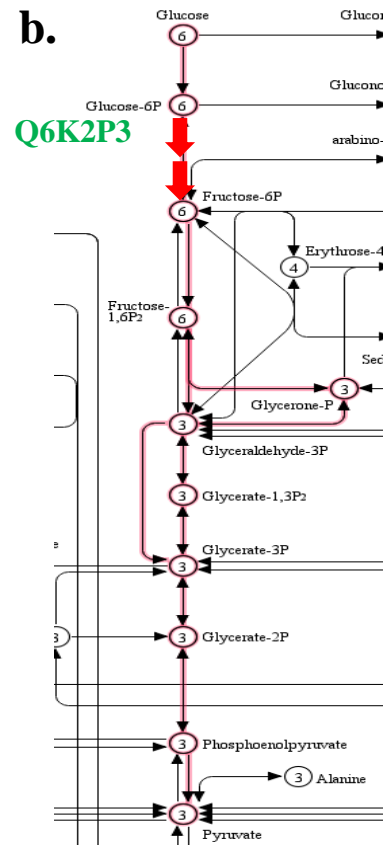
a.



osa00710:

carbon fixation in photosynthetic organisms

b.



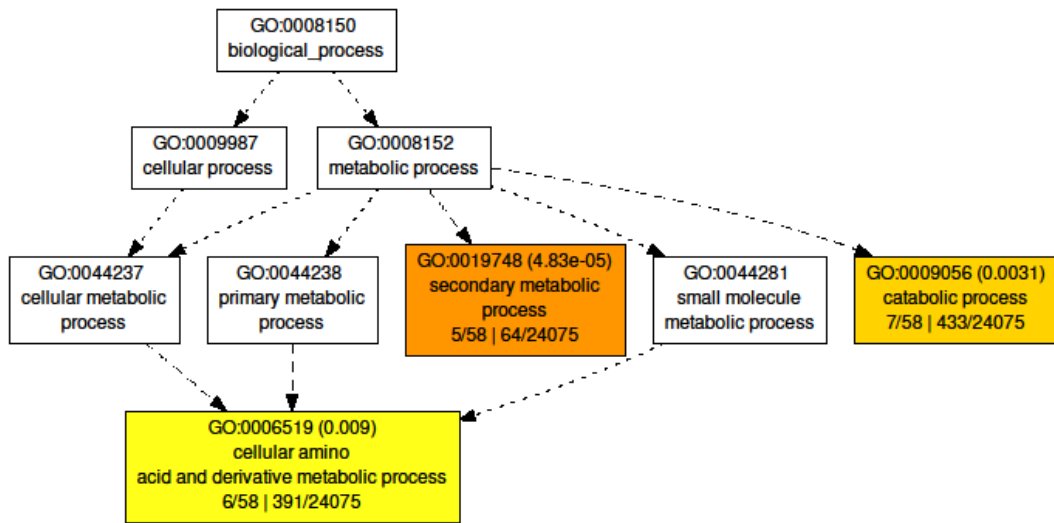
osa00010:

glycolysis/gluconeogenesis

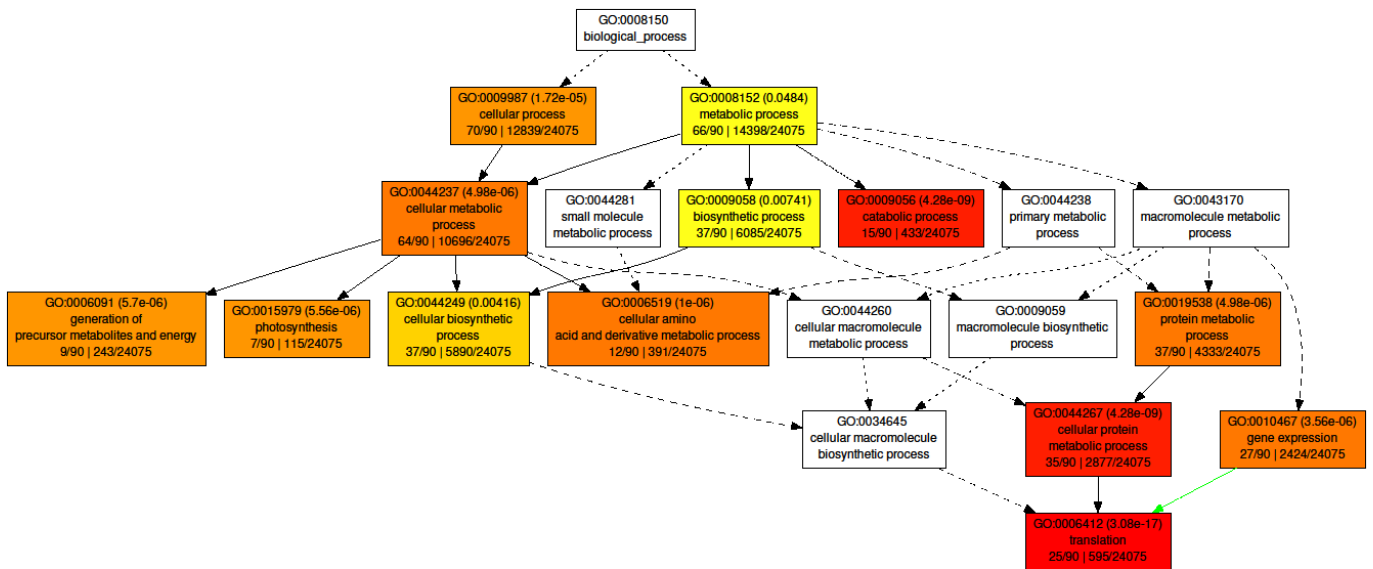
Supplementary Figure S1: KEGG pathway annotation of fructose 1,6-bisphosphatase (Q655Y9) and glucose-6-phosphate 1-epimerase (Q6K2P3) that were upregulated in Qingliu compared with TN1 at three time points of insect herbivory. (a) In carbon fixation process (osa00710), fructose 1,6-bisphosphatase (Q655Y9) converts fructose-1,6-bisphosphate to fructose 6-phosphate. (b) In glycolysis/gluconeogenesis (osa00010), Glucose-6-phosphate 1-epimerase (Q6K2P3) catalyses the isomerisation of alpha-D-glucose 6-phosphate to beta-D-glucose 6-phosphate which can then be converted to fructose 6-phosphate. Copyright permission was obtained for the KEGG pathway maps [49].

Supplementary Figure S2

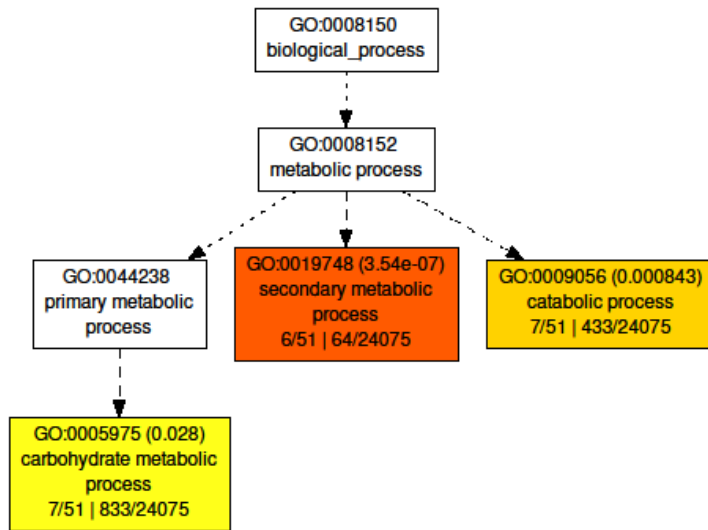
a. GO biological process enrichment for upregulated proteins at 0 h



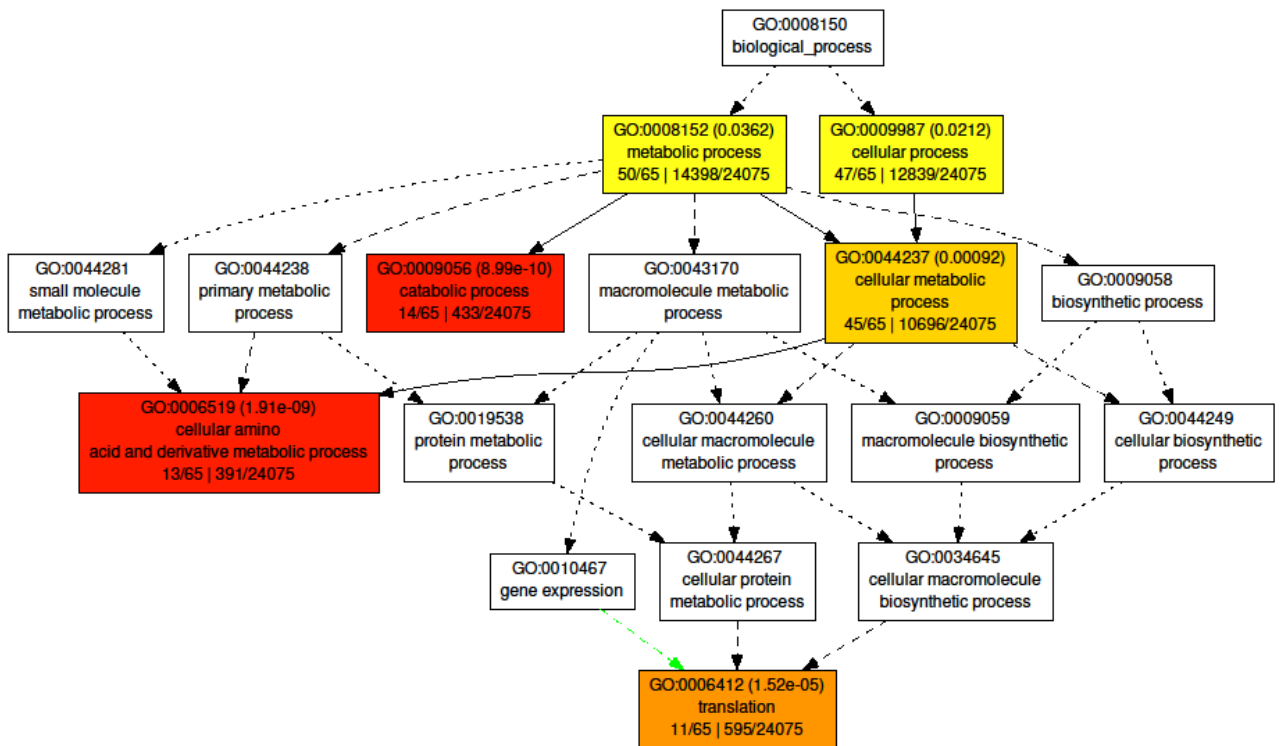
b. GO biological process enrichment for downregulated proteins at 0 h



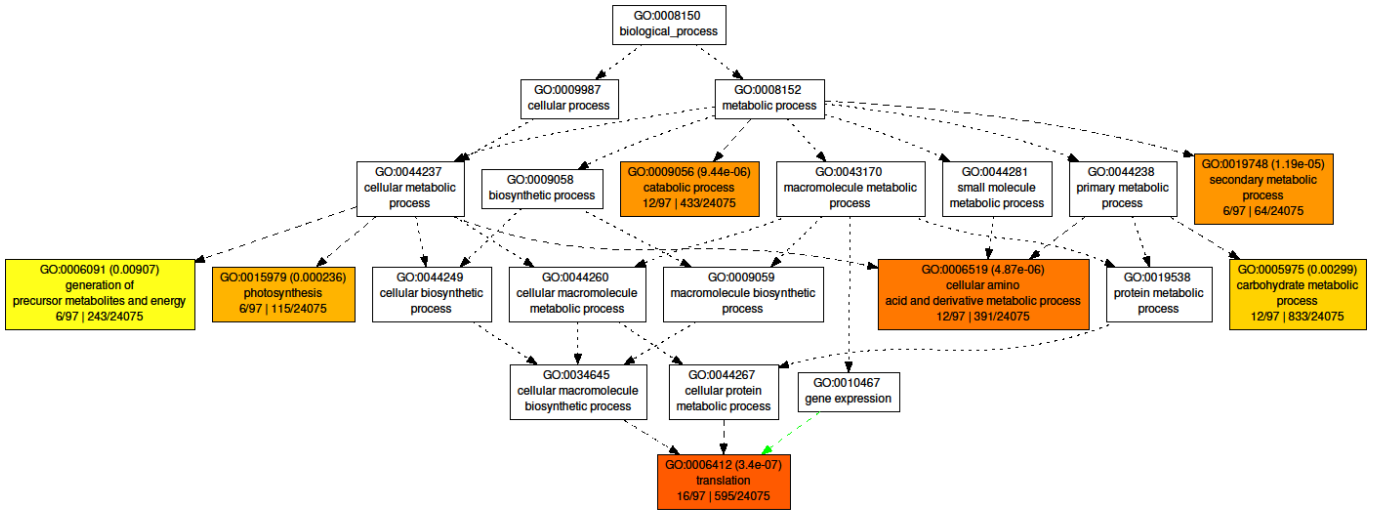
c. GO biological process enrichment for upregulated proteins at 6 h



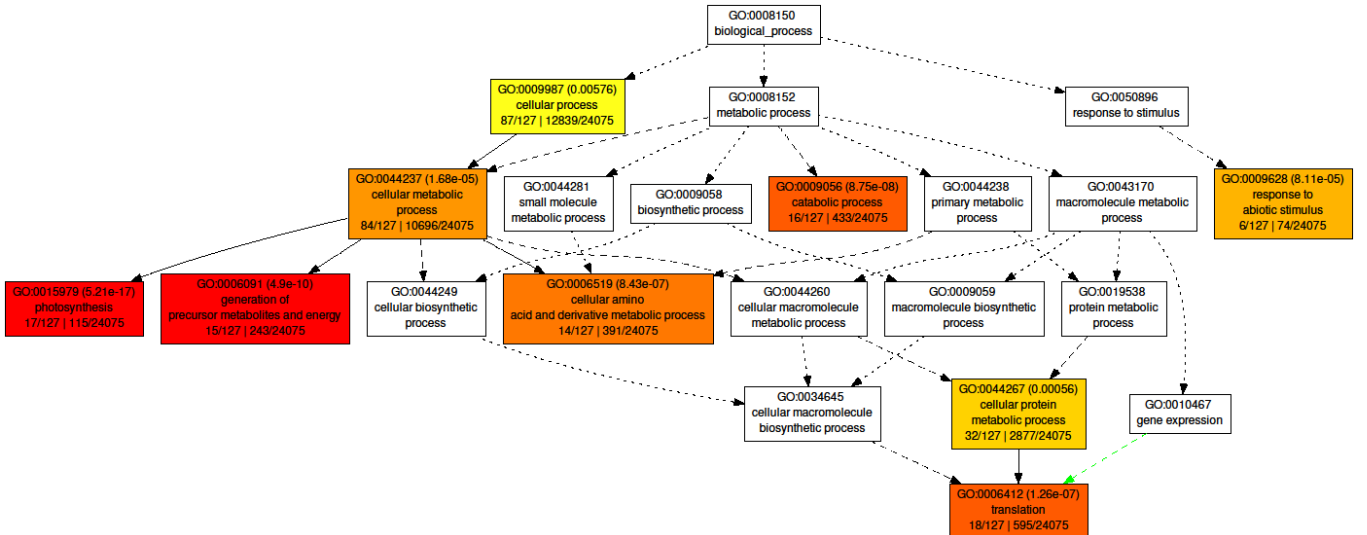
d. GO biological process enrichment for downregulated proteins at 6 h



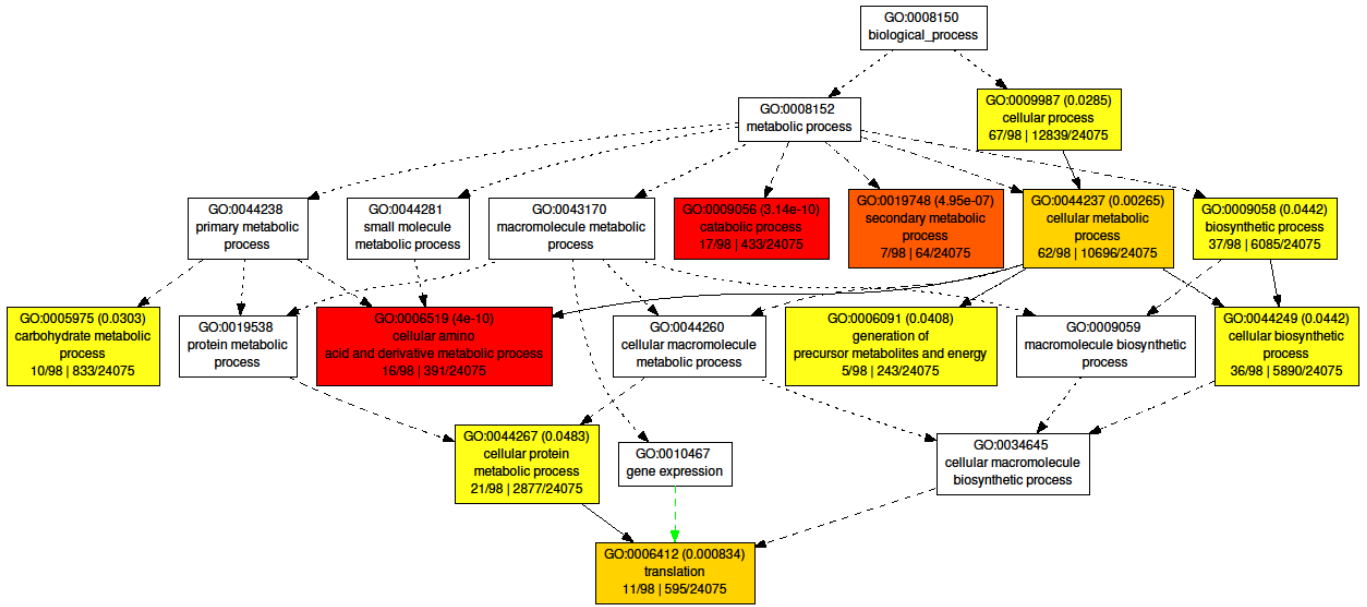
e. GO biological process enrichment for upregulated proteins at 24 h



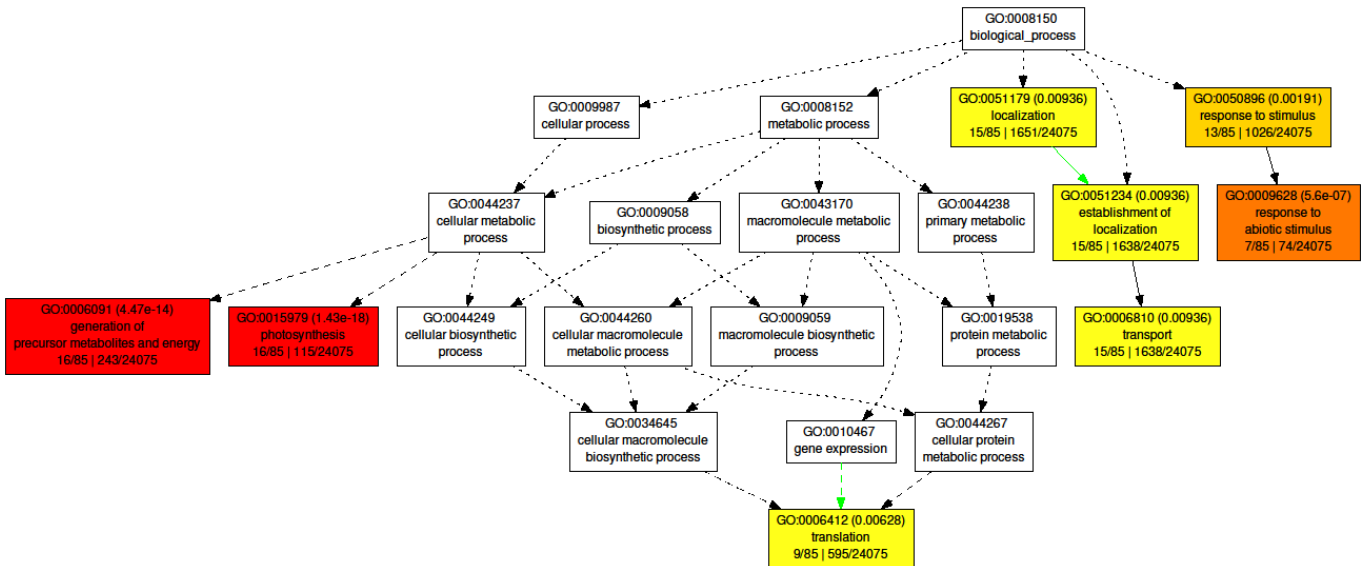
f. GO biological process enrichment for downregulated proteins at 24 h



g. GO biological process enrichment for upregulated proteins at 72 h



h. GO biological process enrichment for downregulated proteins at 72 h



Supplementary Figure S2: Flowcharts of the enrichment of GO biological processes for upregulated and downregulated proteins in Qingliu compared with TN1 at each time point of insect herbivory. GO biological process enrichment (a) for upregulated proteins at 0 h, (b) for downregulated proteins at 0 h, (c) for upregulated proteins at 6 h, (d) for downregulated proteins at 6 h, (e) for upregulated proteins at 24 h, (f) for downregulated proteins at 24 h, (g) for upregulated proteins at 72 h and (h) for downregulated proteins at 72 h. The increasing significance of enrichment (adjusted p-value) is depicted in the order of yellow, orange and red boxes.