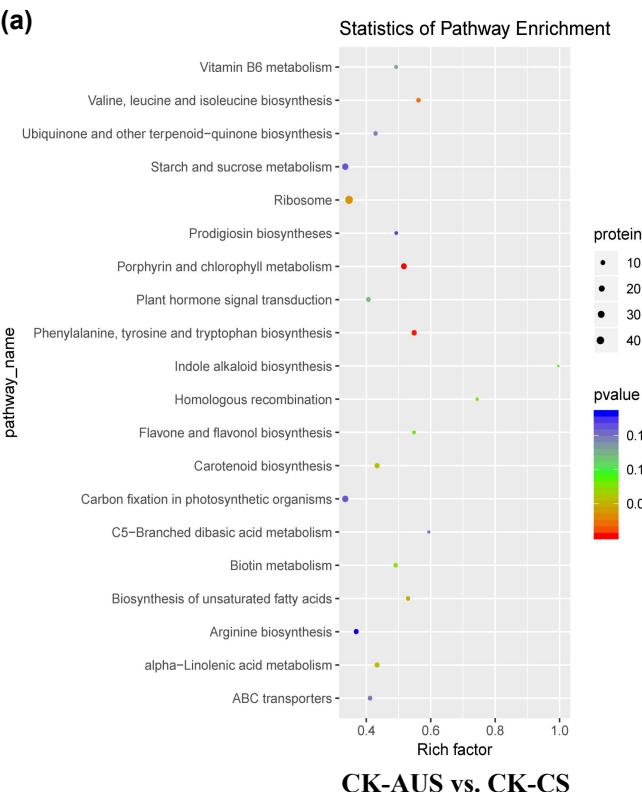


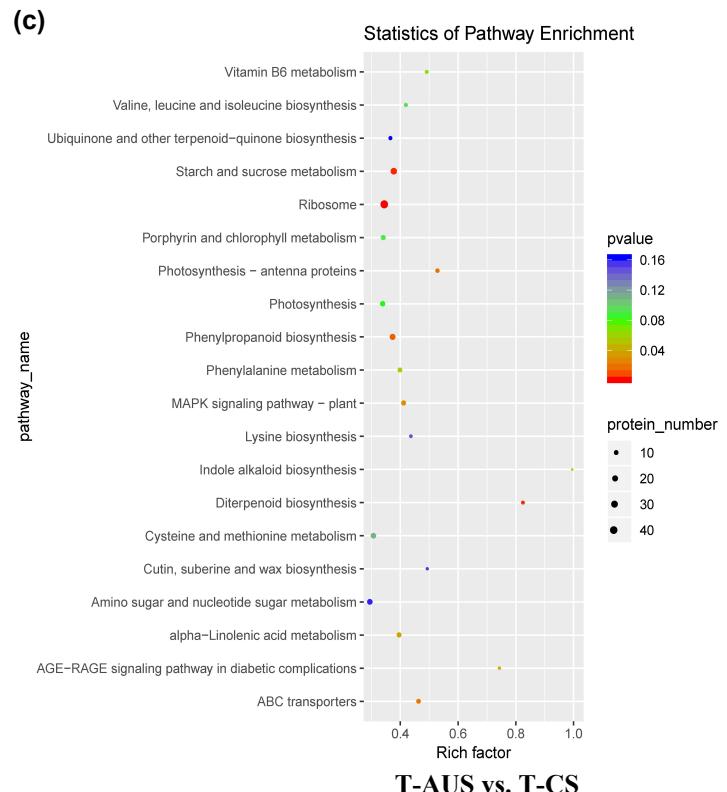
Effects of biological nitrogen metabolism on glufosinate-susceptible and resistant goosegrass (*Eleusine indica* L.)

Figure S1. General analysis on characterizations of glufosinate-resistance goosegrass by proteomic sequencing. (a)-(h) Enrichment scatter plots of KEGG pathways in the eight comparative groups of the different goosegrass biotypes (NX, CS, and AUS) under glufosinate stress or under H₂O as the controls.

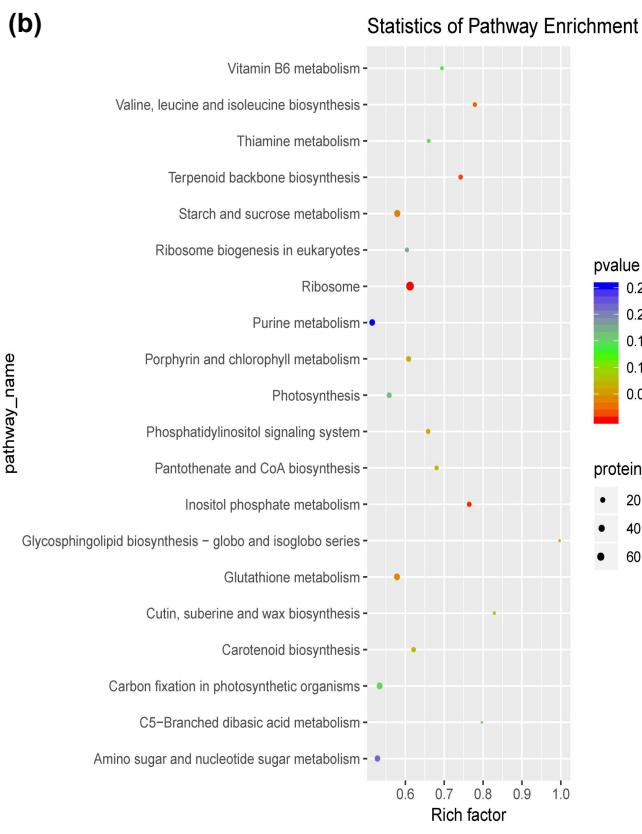
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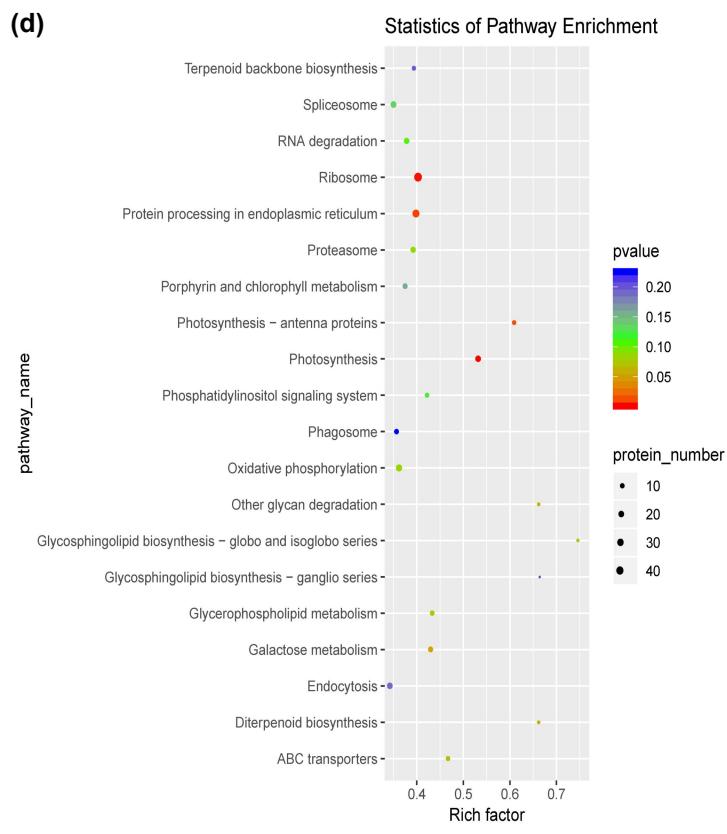
(c)



(b)



(d)



(e)

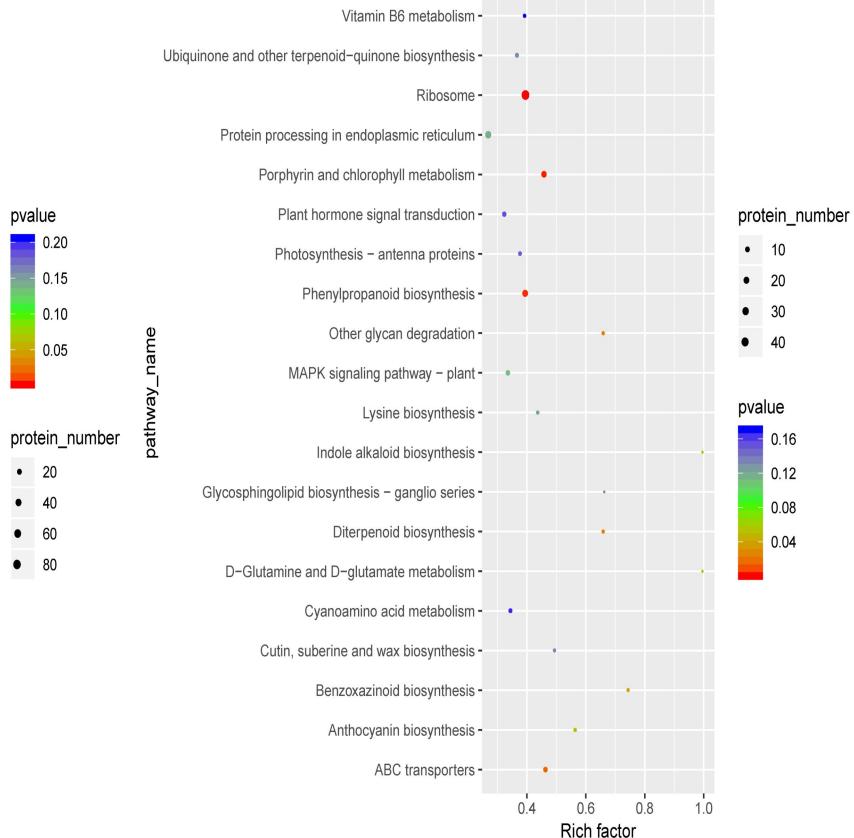
Statistics of Pathway Enrichment



T-AUS vs. CK-AUS

(g)

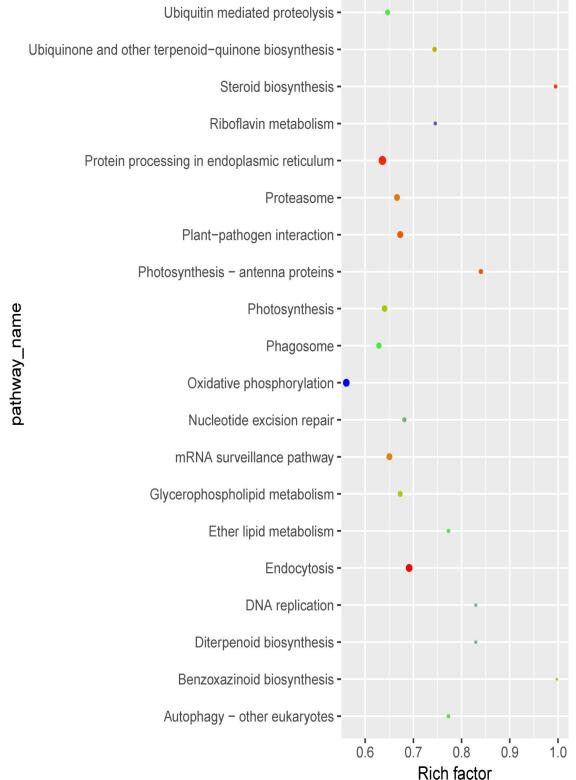
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T-AUS VS. T-NX

(f)

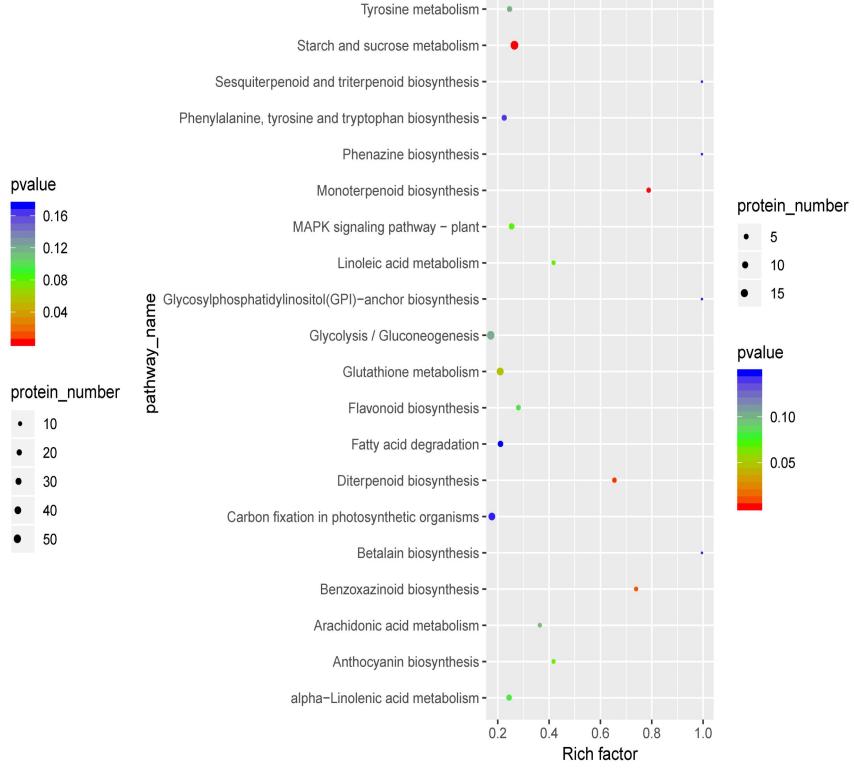
Statistics of Pathway Enrichment



T-CS vs. CK-CS

(h)

Statistics of Pathway Enrichment

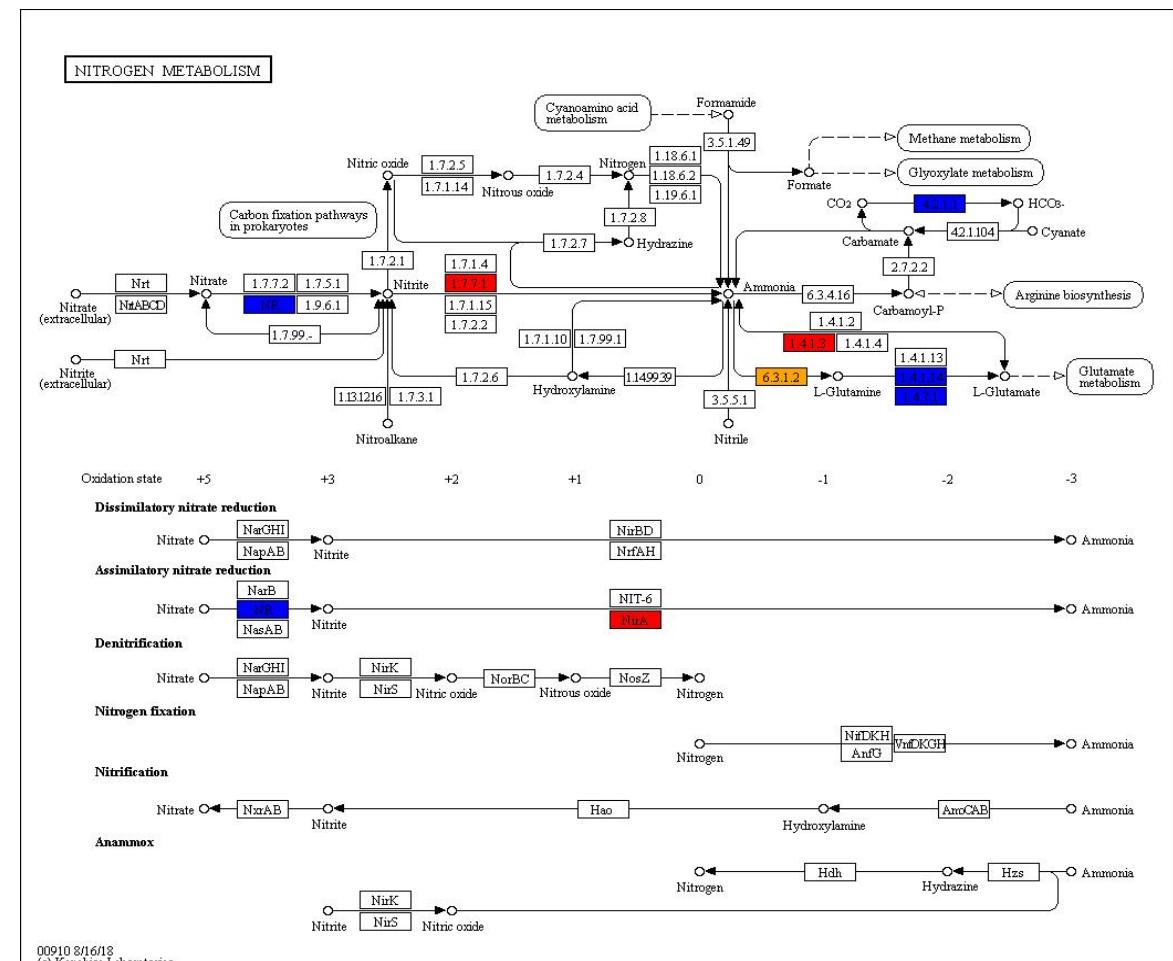


T-CS vs. T-NX

Figure S2. Differential expressions of genes and proteins in KEGG pathways of nitrogen metabolism. (a) and (b) Transcriptome and proteome analyses in the comparative group T-NX vs. CK-NX. (c) and (d) Transcriptome analyses in the comparative group T-AUS vs. CK-AUS and T-CS vs. CK-CS, respectively.

(a)

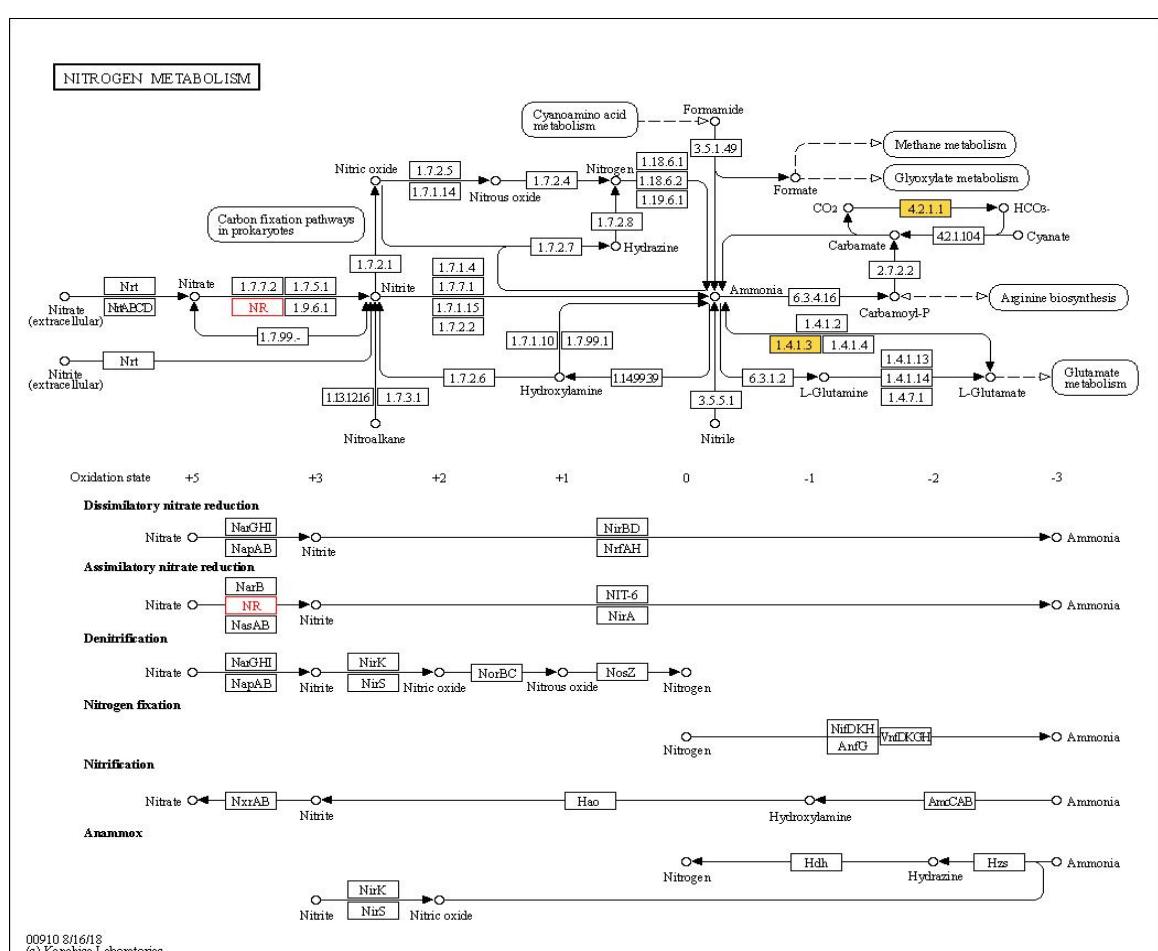
Transcriptome



T-NX vs. CK-NX

(b)

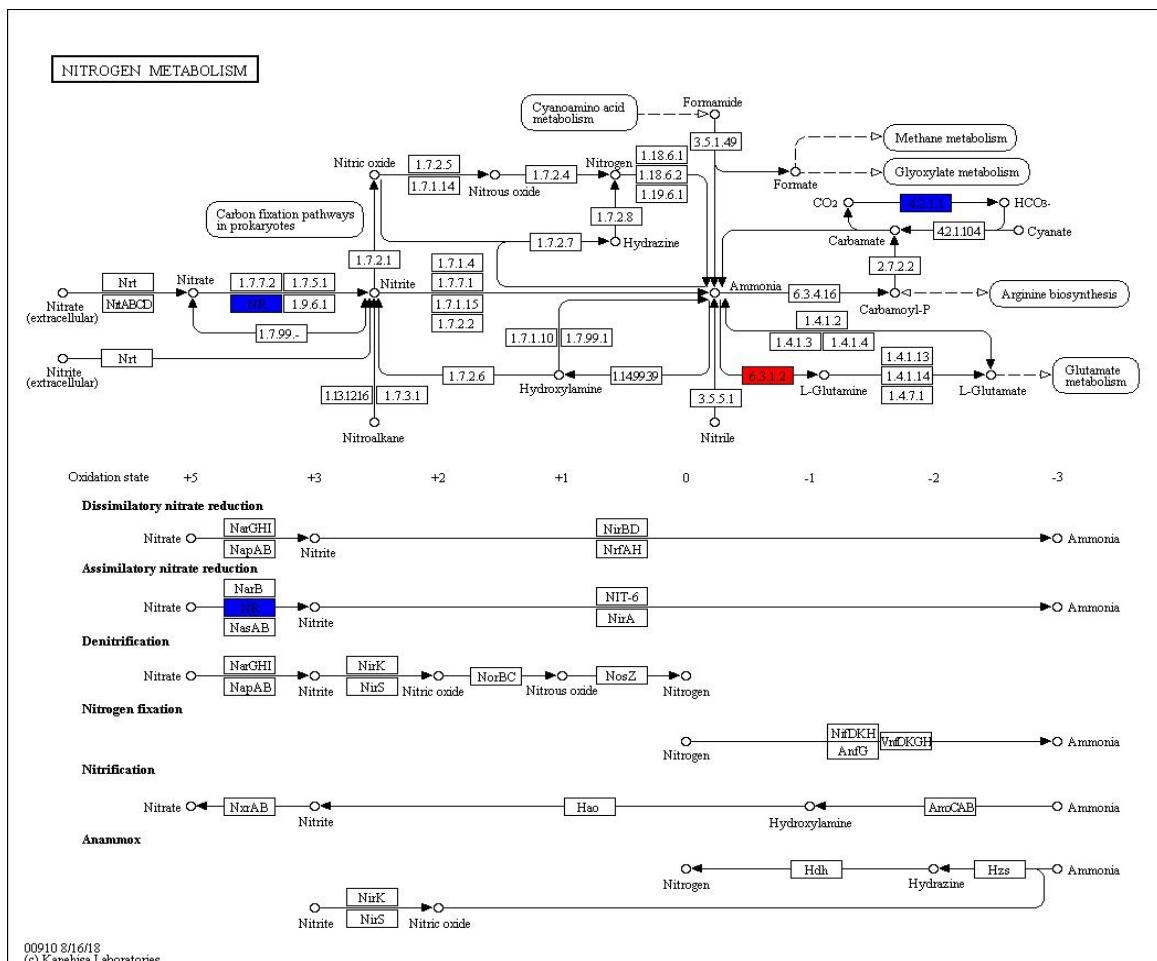
Proteome



T-NX vs. CK-NX

Transcriptome

(c)



(d)

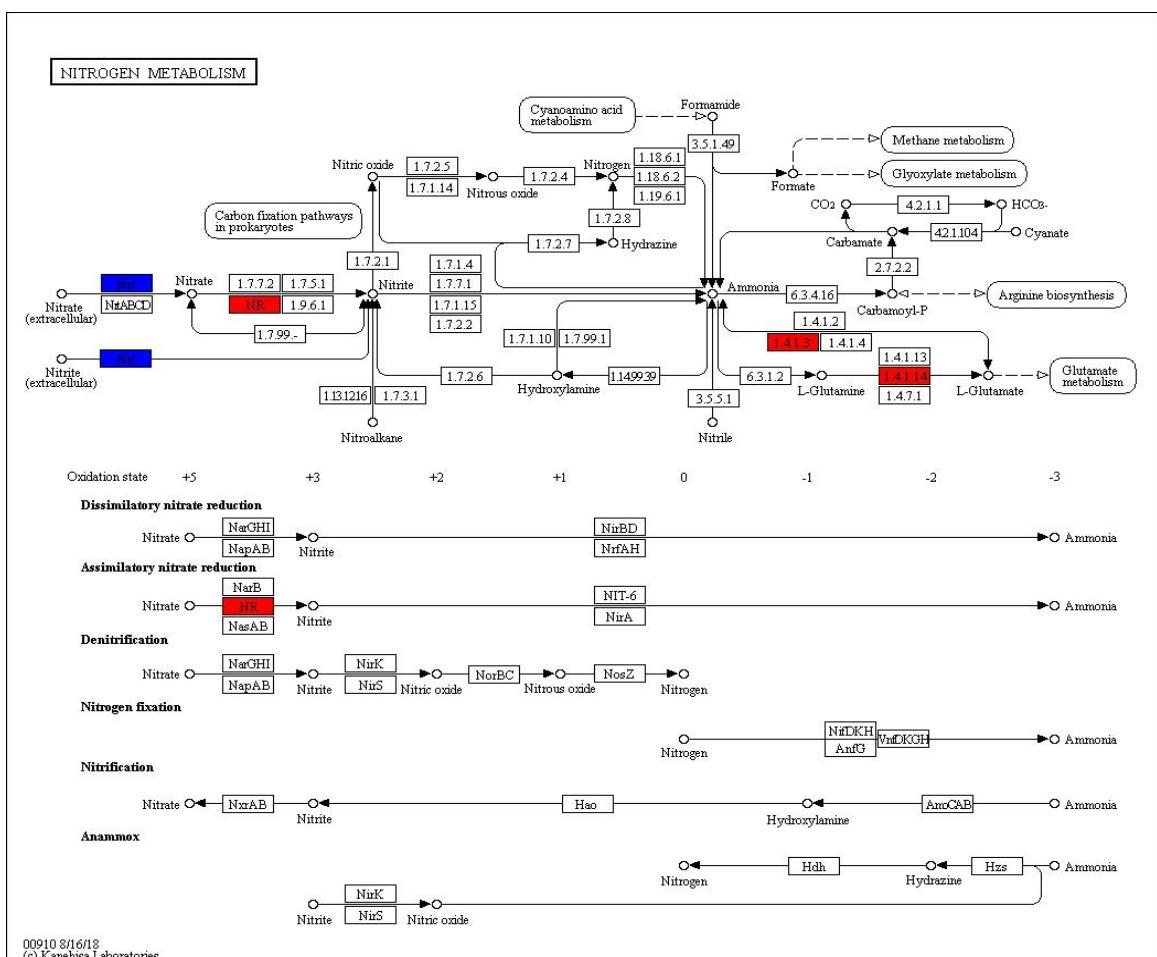


Figure S3. The CDS sequences of *GLNI-1*(a), *GDH2*(b), *GLSF*(c), *NIA1*(d), *Os01g0357100*(e) and *CA1*(f).

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(b) TRINITY_DN23079_c2_g5 Trans_ID=TRINITY_DN23079_c2_g5_i1 2083bp (***GDH2***)

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