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supplementary materials

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Biosynthesis and accumulation of GABA in rice plants treated with acetic acid.

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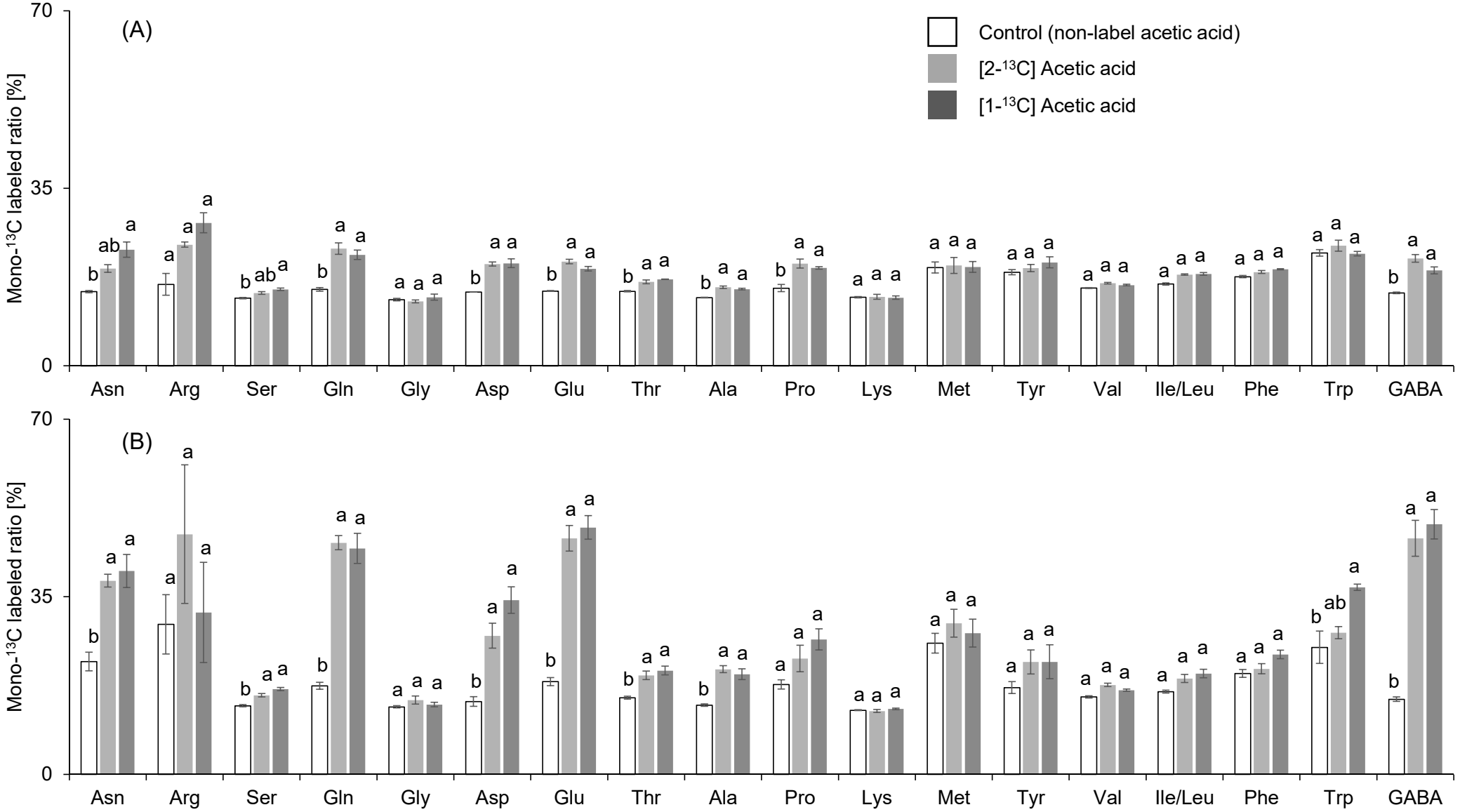
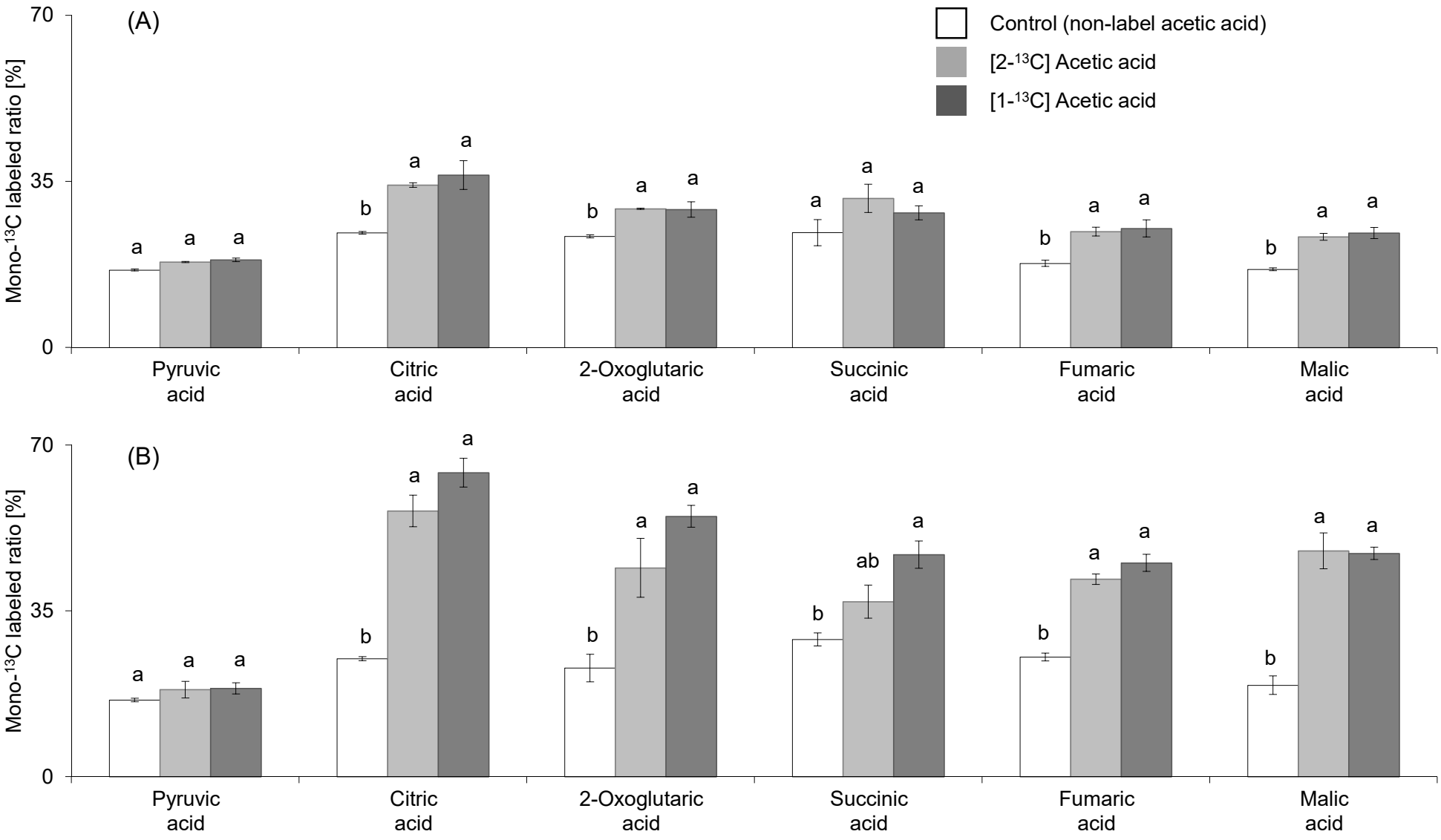
Supplemental Information 1

(A) Probe voltage of 4.50 kV, detector voltage of 1.30 kV, heat block temperature of 200ºC, DL temperature of 250ºC, nebulizer gas flow of 1.5 L/min and the analytical mode utilized ESI positive scans; mass range of *m/z* 150-500.

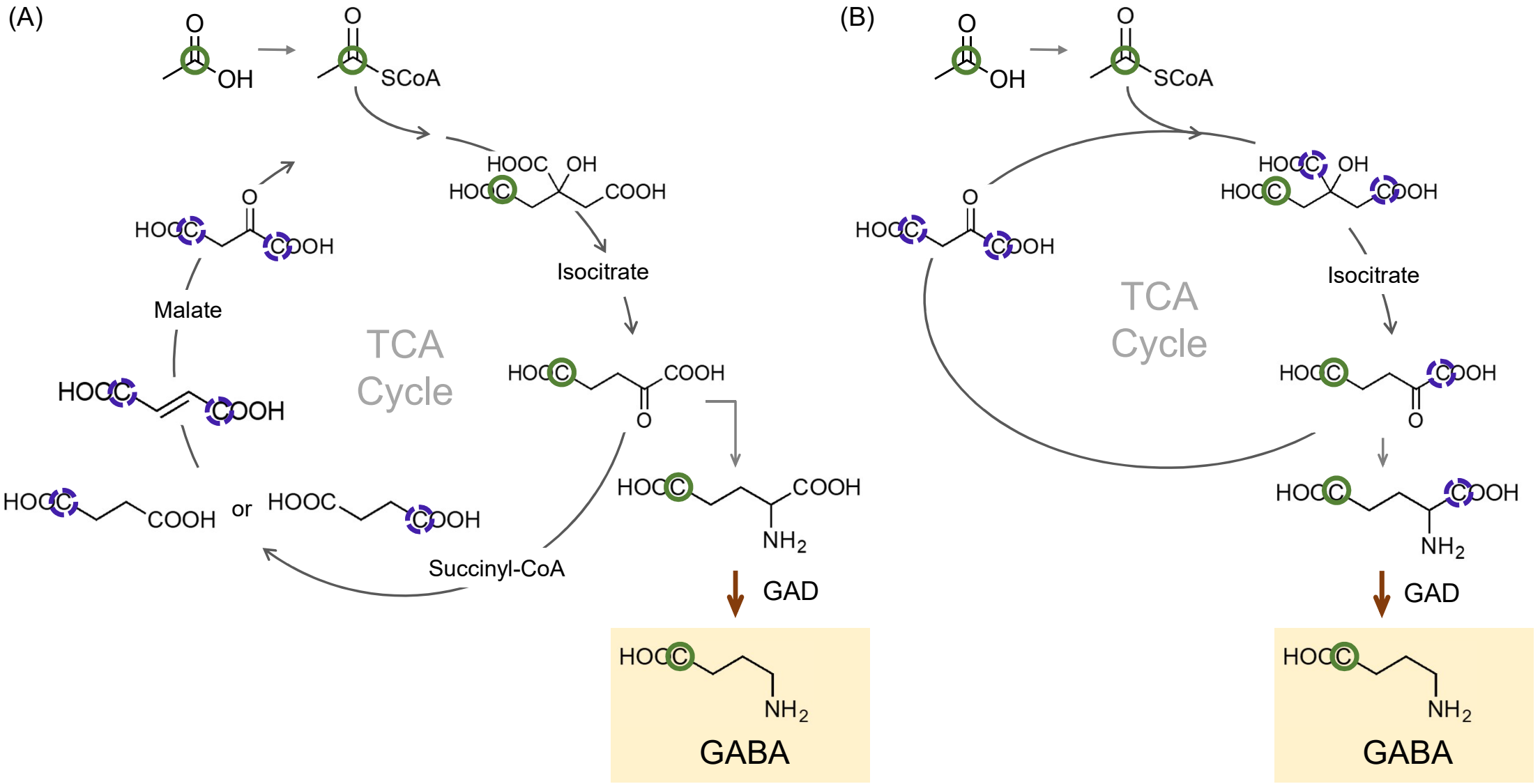
(B) Probe voltage of 4.50 kV, detector voltage of −1.30 kV, heat block temperature of 200ºC, DL temperature of 250ºC, nebulizer gas flow of 1.5 L/min and the analytical mode utilized ESI negative scans; mass range of *m/z* 100-1000.



Supplemental Fig. S1 ^{13}C-labeled rates of amino acids (A) in shoots and (B) in roots. (Different characters indicate significant differences, $p<0.05$ using Tukey–Kramer's multiple test, $n=4$)



Supplemental Fig. S2 ^{13}C-labeled rates of organic acids (A) in shoots and (B) in roots. (Different characters indicate significant differences, $p<0.05$ using Tukey–Kramer's multiple test, $n=4$)



Supplemental Fig. S3 The expected ^{13}C-labeled position of metabolites under treatment with [1-^{13}C] acetic acid (A) in the first round and (B) in the second and later rounds.