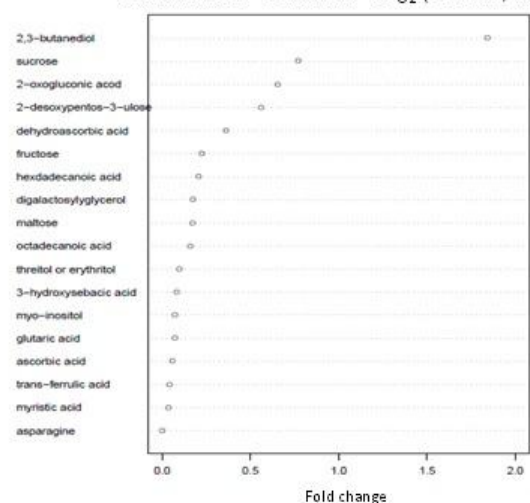
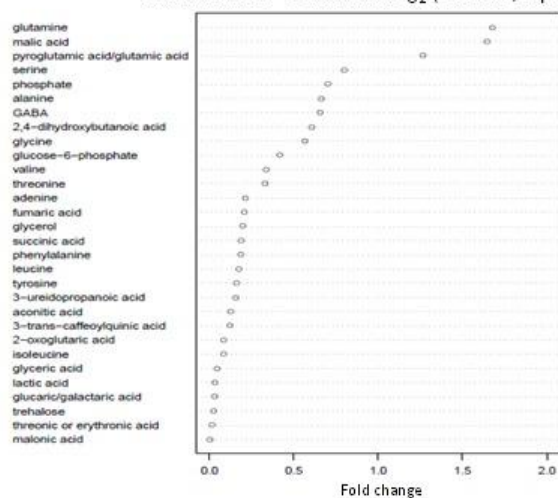


Figure S3

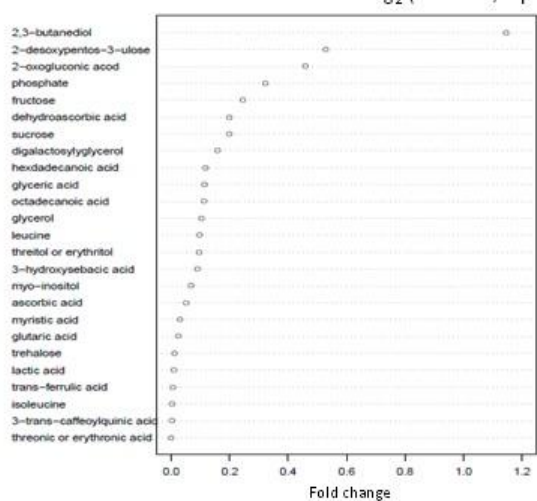
(a) Leaf tip metabolites elevated in contrast to leaf base under nitrate- condition. $-\log_2(\text{Base N-}/\text{Tip N-})$



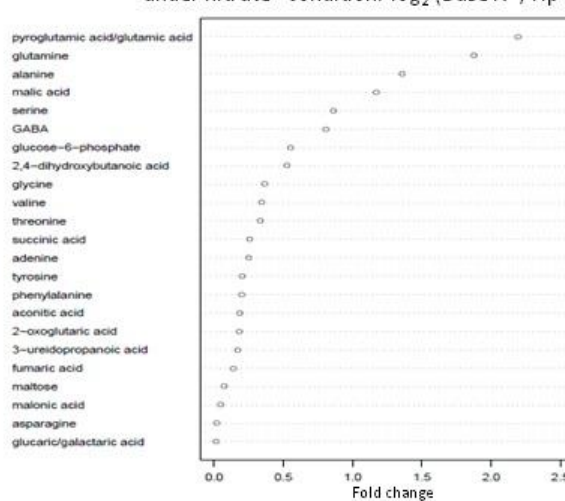
(b) Leaf base metabolites elevated in contrast to leaf tip under nitrate- condition. $\log_2(\text{Base N-}/\text{Tip N-})$



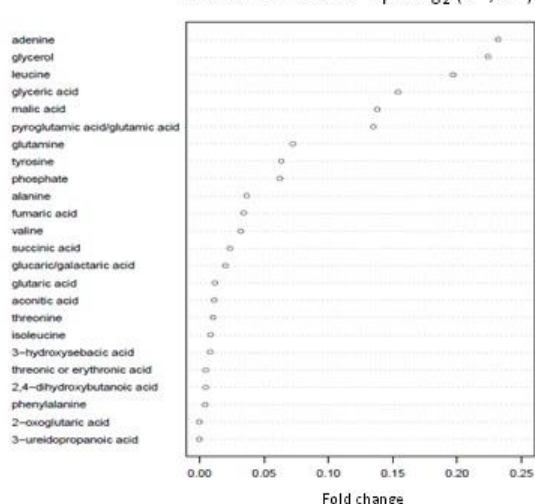
(c) Leaf tip metabolites elevated in contrast to leaf base under nitrate+ condition. $-\log_2(\text{Base N+}/\text{Tip N+})$



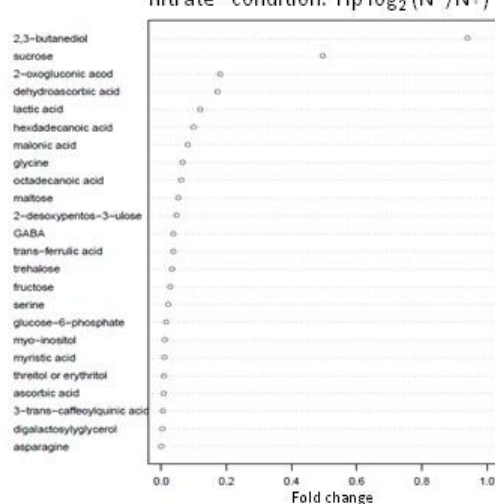
(d) Leaf base metabolites elevated in contrast to leaf tip under nitrate+ condition. $\log_2(\text{Base N+}/\text{Tip N+})$



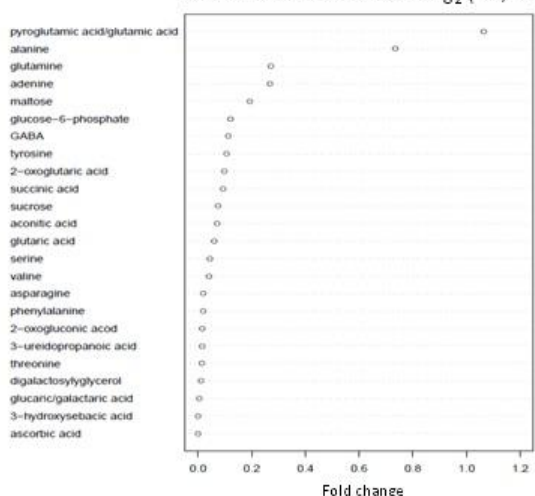
(e) Leaf tip metabolites elevated under nitrate+ condition. Tip $-\log_2(\text{N-}/\text{N+})$



(f) Leaf tip metabolites elevated under nitrate- condition. Tip $\log_2(\text{N-}/\text{N+})$



(g) Leaf base metabolites elevated under nitrate+ condition. Base $-\log_2(\text{N-}/\text{N+})$



(h) Leaf base metabolites elevated under nitrate- condition. Base $\log_2(\text{N-}/\text{N+})$

