

Supplementary Table 5. P-value data for intensity in Figure 3f and 4f.

Plants	Nitrate peak*
Arabidopsis (Col-0 and <i>nrt2.1-2</i>) (+N)	8.30134E-06
Arabidopsis (Col-0 and <i>nrt2.1-2</i>) (-N)	0.008678788
Pak Choi (-N)	3.43089E-05
Choy Sum (-N)	0.001104344

*Nitrate peak indicated Raman spectrum at 1046 cm^{-1} and normalized with carotenoids peak (1520 cm^{-1}). Table above lists P values of nutrient-deprived growth medium (-N, -P and -K, respectively) relative to Full medium as obtained from Student's t-test analysis (n=14-16)