**Supplementary Table S1** **|** Effects of different treatments on the soluble sugar contents of fruit in 2017 and 2018.

|  |  |  |
| --- | --- | --- |
| Year | Treatment | Soluble sugar (%) |
| 2017 | CK | 13.96±0.40ab |
| ABA50 | 14.13±0.27ab |
| ABA100 | 14.46±0.50a |
| ABA150 | 14.20±0.32a |
| Flu | 13.43±0.37b |
| 2018 | CK | 14.22±0.42ab |
| ABA50 | 14.41±0.29ab |
| ABA100 | 14.75±0.53a |
| ABA150 | 14.48±0.34a |
| Flu | 13.67±0.39b |

Data are presented as the mean ± SD of three replicates. Different letters within a column indicate statistically significant differences between the means (*P* < 0.05).

**Supplementary Table S2 |** Effects of different treatments on the accumulation of 15N and 13C in fruits in 2017 and 2018.

|  |  |  |  |
| --- | --- | --- | --- |
| Year | Treatment | 15N accumulation in fruits (mg/plant) | 13C accumulation in fruits (mg/plant) |
| 2017 | CK | 114.83±3.23b | 148.86±11.28c |
| ABA50 | 109.87±4.95bc | 167.04±7.79b |
| ABA100 | 105.30±4.66bc | 186.06±13.45a |
| ABA150 | 104.42±5.06c | 169.99±5.68ab |
| Flu | 117.32±3.57a | 129.20±6.67d |
| 2018 | CK | 119.18±3.40ab | 156.47±11.89c |
| ABA50 | 115.36±8.20bc | 175.63±8.21b |
| ABA100 | 110.54±4.91bc | 195.69±14.18a |
| ABA150 | 108.50±5.33c | 178.75±5.99ab |
| Flu | 128.49±3.76a | 135.74±7.03d |

Data are presented as the mean ± SD of three replicates. Different letters within a column indicate statistically significant differences between the means (*P* < 0.05).