Table S1 Effects of different concentrations of photosynthesis inhibitor DCMU on the ETRof *Carya cathayensis* fruits in comparison with the control (CK).

|  |  |  |
| --- | --- | --- |
| **Treatment** | **Treatment length(min)** | ***ETR*（%**） |
| **CK** | 15min | 100% |
| 30min | 100% |
| **DCMU1** | 15min | 100%±3.3 |
| 30min | 93.3±5.3 |
| **DCMU2** | 15min | 84.2%±2 |
| 30min | 48.3%±3.4 |

Note: DCMU1: 20 μM; DCMU2: 30 μM. Data indicate mean±SD. n=3 trees, 10 fruits from each tree.

Table S2 Effects of photosynthesis inhibitor (DCMU) on *Carya cathayensis* fruits developed after conspecific hickory pollination. CK = control.

|  |  |
| --- | --- |
| **Parameter** |  |
| **CK** | **DCMU** |
| **Fruit fresh weight** **(g)** | 18.6±1.9a | 15.2±1.8b |
| **Fruit dry weights****(g)** | 5.9±0.6a | 4.8±0.8b |

Note: Different letters indicate significant differences at *P*<0.05 level. n=3 trees. 40 fruits from each tree.