**Supplementary Table S2:** The purity, quality and concentration of isolated RNAs

| Groups | Sample ID | RNA concentration (ng/µL) | 260/280 ratio | RIN |
|---|---|---|---|---|
| VC | V1 | 309.5 | 2.05 | 9.5 |
| | V2 | 278.4 | 2.06 | 9.8 |
| | V3 | 295.5 | 2.05 | 9.5 |
| AnTT | A1 | 164.3 | 2.05 | 9.2 |
| | A2 | 166 | 2.07 | 9.6 |
| | A3 | 135.5 | 2.05 | 8.1 |
| γ-T3 | G1 | 115.6 | 2.06 | 9.3 |
| | G2 | 111.3 | 2.06 | 8.9 |
| | G3 | 123.9 | 2.05 | 8.5 |
| δ-T3 | D1 | 116.2 | 2.06 | 9.1 |
| | D2 | 120.1 | 2.07 | 9.1 |
| | D3 | 134.3 | 2.06 | 9.1 |

Abbreviations: 260/280 ratio, the ratio of absorbance at 260 nm and 280 nm, AnTT, annatto tocotrienol, RIN, RNA integrity number, δ-T3, δ-tocotrienol, γ-T3, γ-tocotrienol, VC, vehicle control