

Table 3. Levels of endogenous isoprenoid cytokinins and derivatives in WT and *cycd3;1-3* were determined in three replicates (A, B and C) of WT and *cycd3;1-3* seedlings and expressed in pmol/g fresh weight (see *Materials and Methods*).

| Name | WT | | | <i>cycd3;1-3</i> | | |
|------------|-----------|-----------|-----------|------------------|-----------|-----------|
| | A | B | C | A | B | C |
| trans-Z | 0.8 | 1.8 | 1.0 | 0.6 | 0.8 | 1.1 |
| cis-Z | 0.7 | 0.8 | 1.0 | 0.5 | 1.0 | 0.3 |
| DHZ | BD(<0,5) | BD(<0,5) | BD(<0,5) | BD(<0,5) | BD(<0,5) | BD(<0,5) |
| IP | 1.5 | 0.6 | 0.6 | 1.1 | 1.0 | 0.4 |
| trans-ZR | 0.7 | 1.4 | 4.5 | 1.5 | 2.1 | 1.4 |
| cis-ZR | 0.2 | 0.8 | 2.2 | 1.0 | 0.8 | 1.0 |
| DHZR | BD(<0,5) | BD(<0,5) | BD(<0,5) | BD(<0,5) | BD(<0,5) | BD(<0,5) |
| IPA | 1.9 | 2.2 | 6.5 | 2.4 | 3.4 | 2.7 |
| ZNG | 1.7 | 1.8 | 0.5 | 1.1 | 0.3 | 1.1 |
| DHZNG | BD(<0,5) | BD(<0,5) | BD(<0,5) | BD(<0,5) | BD(<0,5) | BD(<0,5) |
| IPG | 4.0 | 4.1 | 3.1 | 2.8 | 3.4 | 3.6 |
| trans-ZR-p | 7.3 | 5.6 | 10.2 | 5.6 | 9.2 | 4.8 |
| cis-ZR-p | 2.8 | 5.3 | 2.8 | 2.6 | 3.4 | 2.4 |
| IPA-p | 19.1 | 15.0 | 15.2 | 16.4 | 16.5 | 12.3 |

BD, below detection limit (<0.5 pmol/g); trans-Z, trans-zeatin; cis-Z, cis-zeatin; DHZ, dihydrozeatin; IP, isopentenyladenine; trans-ZR, trans-zeatin riboside; cis-ZR, cis-zeatin riboside; DHZR, dihydrozeatin riboside; IPA, isopentenyladenosine; ZNG, zeatin-N-glucosides; DHZNG, dihydrozeatin-N-glucosides; IPG, isopentenyl adenine-7-glucoside; trans-ZR-p, trans-zeatin riboside-5*i*-monophosphate; cis-ZR-p, cis-zeatin riboside-5*i*-monophosphate; IPA-p, isopentenyladenosine-5*i*-monophosphate.