

## Supplemental tables

**Supplemental Table 1**

|               | cw  | cytosol | ER  | Golgi | mitochondrion | nucleus | peroxisome | plastid | pm   | vacuole |
|---------------|-----|---------|-----|-------|---------------|---------|------------|---------|------|---------|
| cw            | 386 | 35      | 15  | 5     | 40            | 47      | 5          | 72      | 96   | 84      |
| cytosol       | 35  | 654     | 11  | 6     | 23            | 343     | 6          | 62      | 133  | 34      |
| ER            | 15  | 11      | 278 | 13    | 14            | 20      | 4          | 20      | 76   | 63      |
| Golgi         | 5   | 6       | 13  | 155   | 1             | 3       | 0          | 3       | 24   | 18      |
| mitochondrion | 40  | 23      | 14  | 1     | 575           | 35      | 14         | 222     | 52   | 79      |
| nucleus       | 47  | 343     | 20  | 3     | 35            | 1188    | 10         | 116     | 130  | 64      |
| peroxisome    | 5   | 6       | 4   | 0     | 14            | 10      | 129        | 32      | 14   | 17      |
| plastid       | 72  | 62      | 20  | 3     | 222           | 116     | 32         | 1709    | 153  | 144     |
| pm            | 96  | 133     | 76  | 24    | 52            | 130     | 14         | 153     | 1474 | 197     |
| vacuole       | 84  | 34      | 63  | 18    | 79            | 64      | 17         | 144     | 197  | 709     |

**Supplemental Table 2**

| Array accession code | Fscore | Title                        |
|----------------------|--------|------------------------------|
| GSM133833.CEL        | 0.620  | Walters_A-12-Kruger-MH3_REP3 |
| GSM133831.CEL        | 0.613  | Walters_A-10-Kruger-MH1_REP1 |
| GSM133826.CEL        | 0.610  | Walters_A-05-Kruger-WH2_REP2 |
| GSM133828.CEL        | 0.588  | Walters_A-07-Kruger-ML1_REP1 |
| GSM133827.CEL        | 0.584  | Walters_A-06-Kruger-WH3_REP3 |
| GSM133830.CEL        | 0.579  | Walters_A-09-Kruger-ML3_REP3 |
| GSM133832.CEL        | 0.570  | Walters_A-11-Kruger-MH2_REP2 |
| GSM133825.CEL        | 0.567  | Walters_A-04-Kruger-WH1_REP1 |
| GSM133823.CEL        | 0.565  | Walters_A-02-Kruger-WL2_REP2 |
| GSM133824.CEL        | 0.558  | Walters_A-03-Kruger-WL3_REP3 |
| GSM318330.CEL        | 0.545  | EL_14DAS_1                   |
| GSM183507.CEL        | 0.545  | WT_for_ATR1/MYB51_rep1       |
| GSM131473.CEL        | 0.543  | ATGE_7_C2                    |
| GSM133822.CEL        | 0.542  | Walters_A-01-Kruger-WL1_REP1 |
| GSM133829.CEL        | 0.541  | Walters_A-08-Kruger-ML2_REP2 |
| GSM131472.CEL        | 0.538  | ATGE_7_B2                    |
| GSM131471.CEL        | 0.533  | ATGE_7_A2                    |
| GSM131500.CEL        | 0.532  | ATGE_5_C                     |
| GSM131499.CEL        | 0.532  | ATGE_5_B                     |
| GSM45208.CEL         | 0.530  | 00304WT_1                    |
| GSM131501.CEL        | 0.530  | ATGE_10_A                    |
| GSM131503.CEL        | 0.529  | ATGE_10_C                    |
| GSM131502.CEL        | 0.527  | ATGE_10_B                    |
| GSM131498.CEL        | 0.525  | ATGE_5_A                     |

|               |       |                                                           |
|---------------|-------|-----------------------------------------------------------|
| GSM45278.CEL  | 0.522 | 00304AS12_2                                               |
| GSM131464.CEL | 0.510 | AtGen_6-9512_Heatstress(3h)+9hrecovery-Shoots-12.0h_Rep2  |
| GSM318331.CEL | 0.509 | EL_14DAS_2                                                |
| GSM183508.CEL | 0.509 | WT_for_ATR1/MYB51_rep2                                    |
| GSM131463.CEL | 0.502 | AtGen_6-9511_Heatstress(3h)+9hrecovery-Shoots-12.0h_Rep1  |
| GSM269488.CEL | 0.501 | mkk2, no-treatment, rep-A                                 |
| gsm77059.CEL  | 0.500 | 04h Col-0 replicate B                                     |
| GSM135552.CEL | 0.499 | syd-2_rep2                                                |
| GSM135551.CEL | 0.495 | syd-2_rep1                                                |
| gsm77062.CEL  | 0.495 | 08h Col-0 replicate B                                     |
| GSM265858.CEL | 0.495 | control shortB                                            |
| GSM183516.CEL | 0.494 | MYB51_OE_rep1                                             |
| GSM268009.CEL | 0.494 | Col-0, Time 0, rep-B                                      |
| GSM133084.CEL | 0.492 | JD AT+EO COL WT 24H UNINFECTED                            |
| GSM269490.CEL | 0.491 | mkk2, no-treatment, rep-C                                 |
| GSM45209.CEL  | 0.491 | 00304WT_2                                                 |
| GSM133078.CEL | 0.490 | JD AT+EO COL WT 06H UNINFECTED                            |
| GSM131467.CEL | 0.489 | AtGen_6-9611_Heatstress(3h)+21hrecovery-Shoots-24.0h_Rep1 |
| GSM265868.CEL | 0.489 | long 10B                                                  |
| GSM183512.CEL | 0.486 | MYB76_OE_rep2                                             |
| GSM131468.CEL | 0.485 | AtGen_6-9612_Heatstress(3h)+21hrecovery-Shoots-24.0h_Rep2 |
| GSM131252.CEL | 0.483 | AtGen_6-0512_Control-Shoots-12.0h_Rep2                    |
| GSM133079.CEL | 0.481 | JD AT+EO COL WT 12H INFECTED                              |
| GSM131260.CEL | 0.481 | AtGen_6-1112_Cold(4°C)-Shoots-0.5h_Rep2                   |
| GSM131251.CEL | 0.481 | AtGen_6-0511_Control-Shoots-12.0h_Rep1                    |

**Supplemental Table 3**

| Seq id        | sequence                           |
|---------------|------------------------------------|
| >5'3'Frame1-1 | MKSPKLTCYKLQLFSFKSESLYFSQSLHCSCGRR |
| >5'3'Frame1-2 | MAFDVSSEILR                        |

|                |                                |
|----------------|--------------------------------|
| >5'3'Frame1-3  | MHPLF                          |
| >5'3'Frame1-4  | MTMSCPRLT                      |
| >5'3'Frame1-5  | MSCPRLT                        |
| >5'3'Frame1-6  | MLLMIQCLKI                     |
| >5'3'Frame1-7  | MIQCLKI                        |
| >5'3'Frame1-8  | MCL                            |
| >5'3'Frame1-9  | MSQNTN                         |
| >5'3'Frame1-10 | MSFIDLKKTCKKNIAIF              |
| >5'3'Frame1-11 | MYWDLYIILRNNHKLHAKINLTTSQQISII |
| >5'3'Frame1-12 | MWESV                          |
| >5'3'Frame1-13 | MIKENLGLEET                    |
| >5'3'Frame1-14 | MRSVFTAYFDEARRVIALFSSI         |
| >5'3'Frame1-15 | MGFKMLFNKKEILC                 |
| >5'3'Frame1-16 | MLFNKKEILC                     |

|                |                                |
|----------------|--------------------------------|
| >5'3'Frame2-1  | MKQEAQVLHC                     |
| >5'3'Frame2-2  | MNIISLTGSPSRTM                 |
| >5'3'Frame2-3  | MSLLRSLGKL                     |
| >5'3'Frame2-4  | MFSSSTPLVSNHLY                 |
| >5'3'Frame2-5  | MRSAKRRSPAIAIAMENKTSPGNVLCSP   |
| >5'3'Frame2-6  | MENKTSPGNVLCSP                 |
| >5'3'Frame2-7  | MKTPKMSRVLCTSYRLNQ             |
| >5'3'Frame2-8  | MSRVLCTSYRLNQ                  |
| >5'3'Frame2-9  | MMNKCLKTLIKKSHIYIETLTWLASIYQRR |
| >5'3'Frame2-10 | MNKCLKTLIKKSHIYIETLTWLASIYQRR  |
| >5'3'Frame2-11 | MFNNAVFGNTSDPLDP               |
| >5'3'Frame2-12 | MVLRVVVVTASFVSIPIQLLPELSTMGR   |
| >5'3'Frame2-13 | MGR                            |
| >5'3'Frame2-14 | MTNNLFHTRSVLS                  |

|                |                                   |
|----------------|-----------------------------------|
| >5'3'Frame2-15 | MQKLT                             |
| >5'3'Frame2-16 | MTDE                              |
| >5'3'Frame2-17 | MSESYHASTLICNKIWGLKCYSIKRKSYPVDGP |
| >5'3'Frame3-1  | MFVEPVDYEVS                       |
| >5'3'Frame3-2  | MSEALHHKSLLLLTTLC                 |
| >5'3'Frame3-3  | MYLSAALDLTCCS                     |
| >5'3'Frame3-4  | MPEDIA                            |
| >5'3'Frame3-5  | MYQNAPVICQNVFVKSESDQ              |
| >5'3'Frame3-6  | MLTE                              |
| >5'3'Frame3-7  | MPFSLVTHPIL                       |
| >5'3'Frame3-8  | MLSSFHLLGSLG                      |
| >5'3'Frame3-9  | MK                                |
| >5'3'Frame3-10 | MND                               |
| >5'3'Frame3-11 | MKKLRVPT                          |

|                  |                                                                               |
|------------------|-------------------------------------------------------------------------------|
| >5'3'Frame3-12   | MND                                                                           |
| >5'3'Frame3-13   | MSSEFTAYFLVKL                                                                 |
| >5'3'Frame3-14   | MLMGHNKAHLYMVLKPLMDKPC                                                        |
| >5'3'Frame3-15   | MGHNKAHLYMVLKPLMDKPC                                                          |
| >5'3'Frame3-16   | MVLKPLMDKPC                                                                   |
| >5'3'Frame3-17   | MDKPC                                                                         |
| >At1g16000_down1 | MAGGGGFRAKMEHYVYSGEKKHVLVGIGIVTIIFGVPWYLMTQG<br>SKHQSHQDYMDKADKARKARLSSSSSANK |
| >At1g16000_down2 | MEHYVYSGEKKHVLVGIGIVTIIFGVPWYLMTQGSKHQSHQDYM<br>DKADKARKARLSSSSSANK           |