

Table S24**Expression changes of genes encoding membrane transporters during mycelial and *in planta* growth of *S. sclerotiorum* and *B. cinerea*.**

Expression levels were quantified from microarray hybridization.

'myc' or '48 hpi high expression': number of genes whose expression level in mycelium or at 48 h.p.i. is above 15 X 95th percentile of random probes.

'48hpi up': number of genes with >2-fold higher expression level in sunflower 48hpi compared to mycelium;

'48 hpi down': <2- fold lower expression level in sunflower 48hpi compared to mycelium; with asterisk: statistically significant; between parentheses: not significant.

Red shading indicates predominant enrichment of genes upregulated *in planta*.

Green shading indicates predominant enrichment of genes downregulated *in planta*.

| | | | <i>B. cinerea</i> | <i>S. sclerotiorum</i> |
|----------------|----------------|-----------------|-------------------|------------------------|
| MFS: Sugars | 48hpi | myc | high expression | 34 |
| | | high expression | 42 | 36 |
| | | up | 3* (26) | 6* (14) |
| | | down | 1* (6) | 3* (4) |
| | total on chips | | 68 | 51 |
| MFS: MDR | 48hpi | myc | high expression | 38 |
| | | high expression | 33 | 34 |
| | | up | 2* (9) | 1* (8) |
| | | down | 8* (28) | 4* (11) |
| | total on chips | | 107 | 85 |
| ABC | 48hpi | myc | high expression | 21 |
| | | high expression | 19 | 18 |
| | | up | 0* (2) | 2* (4) |
| | | down | 2* (7) | 2* (2) |
| | total on chips | | 43 | 33 |
| P-type ATPases | 48hpi | myc | high expression | 11 |
| | | high expression | 14 | 10 |
| | | up | 2* (5) | 0* (1) |
| | | down | 0* (0) | 1* (1) |
| | total on chips | | 21 | 17 |

| | | | | | |
|---------------|----------------|------|-----------------|--------|----|
| Mitochondrial | 48hpi | myc | high expression | 26 | 24 |
| | | myc | high expression | 25 | 28 |
| | | up | 1* (3) | 1* (2) | |
| | | down | 1* (1) | 0* (0) | |
| | total on chips | | 37 | 37 | |
| Amino acids | 48hpi | myc | high expression | 18 | 19 |
| | | myc | high expression | 18 | 27 |
| | | up | 0* (3) | 1* (4) | |
| | | down | 0* (3) | 1* (1) | |
| | total on chips | | 48 | 49 | |
| MATE | 48hpi | myc | high expression | 1 | 1 |
| | | myc | high expression | 1 | 1 |
| | | up | 0* (0) | 0* (0) | |
| | | down | 0* (0) | 0* (0) | |
| | total on chips | | 2 | 2 | |
| Aquaporins | 48hpi | myc | high expression | 2 | 0 |
| | | myc | high expression | 2 | 1 |
| | | up | 0* (1) | 0* (1) | |
| | | down | 0* (1) | 0* (1) | |
| | total on chips | | 11 | 10 | |