

**Additional file 6** Correlation of AcH 505 and *P. croceum* biomass with qRT-PCR data. 150 and 250 mg mycelium were extracted in a final volume of 100 and 1000 µl for AcH 505 and *P. croceum*, respectively. For qRT-PCR reactions with 1 µl of undiluted to a dilution of 10<sup>-5</sup> yielded good amplification of the product. The initial copy number was derived from the plasmid standard curve (Figure 2).

|                           | Mycelium (mg) | Initial copy number | Mycelium (mg) / copy number |
|---------------------------|---------------|---------------------|-----------------------------|
| AcH505 - 107f/r           | 1,50E+00      | 8,97E+05            | 1,67E-06                    |
|                           | 1,50E-01      | 1,17E+05            | 1,28E-06                    |
|                           | 1,50E-02      | 1,18E+04            | 1,27E-06                    |
|                           | 1,50E-03      | 1,35E+03            | 1,11E-06                    |
|                           | 1,50E-04      | 2,69E+02            | 5,57E-07                    |
|                           | 1,50E-05      | 1,32E+01            | 1,14E-06                    |
| <i>P.croceum</i> – ITS-P1 | 2,50E-01      | 7,58E+06            | 3,30E-08                    |
|                           | 2,50E-02      | 7,74E+05            | 3,23E-08                    |
|                           | 2,50E-03      | 7,89E+04            | 3,17E-08                    |
|                           | 2,50E-04      | 5,24E+03            | 4,77E-08                    |
|                           | 2,50E-05      | 5,77E+02            | 4,34E-08                    |
|                           | 2,50E-06      | 4,54E+01            | 5,51E-08                    |
| <i>P.croceum</i> – 127f/r | 2,50E-01      | 8,33E+05            | 3,00E-07                    |
|                           | 2,50E-02      | 8,85E+04            | 2,83E-07                    |
|                           | 2,50E-03      | 9,35E+03            | 2,67E-07                    |
|                           | 2,50E-04      | 5,50E+02            | 4,54E-07                    |
|                           | 2,50E-05      | 7,45E+01            | 3,36E-07                    |
|                           | 2,50E-06      | 9,99E+00            | 2,50E-07                    |