

---

## List of Tables

<b>Table 3.1.1:</b> List of putative Fae sequences obtained from <i>M. oryzae</i> database.....	67
<b>Table 3.1.2:</b> Number of putative feruloyl esterases (Fae), with Tannase or Esterase_PHB domain, identified in twenty-six representative fungal species.....	71
<b>Table 3.1.3:</b> List of Fae protein IDs from 18 fungal species, representing each leaf of the phylogenetic tree in Fig. 3.1.3.....	74
<b>Table 3.1.4:</b> Amino acid positions of the predicted signal peptide and its cleavage site in individual Fae sequences in <i>M. oryzae</i> .....	82
<b>Table 3.1.5:</b> Fae-enzyme activity assay.....	86
<b>Table 3.1.6:</b> List of different media conditions and their significance in <i>FAE</i> gene expression analysis.....	87
<b>Table 3.1.7:</b> List of oligonucleotide primers used for qRT-PCR analysis of <i>FAE</i> gene expression.....	89
<b>Table 3.2.1:</b> List of oligonucleotide primers used for generation of <i>FAE1</i> -deletion cassette .....	98
<b>Table 3.2.2:</b> PCR conditions used for generation of <i>FAE1</i> -deletion cassette.....	98
<b>Table 4.1:</b> Fae1 sequence comparison between different host-specific <i>M. oryzae</i> isolates .....	127

---