toxins

# Supplementary Materials: Heterologous Expression and Characterization of A Novel Ochratoxin A Degrading Enzyme, N-acyl-L-amino Acid Amidohydrolase, from *Alcaligenes faecalis*

**Honghai Zhang, Yunpeng Zhang, Tie Yin, Jing Wang and Xiaolin Zhang**

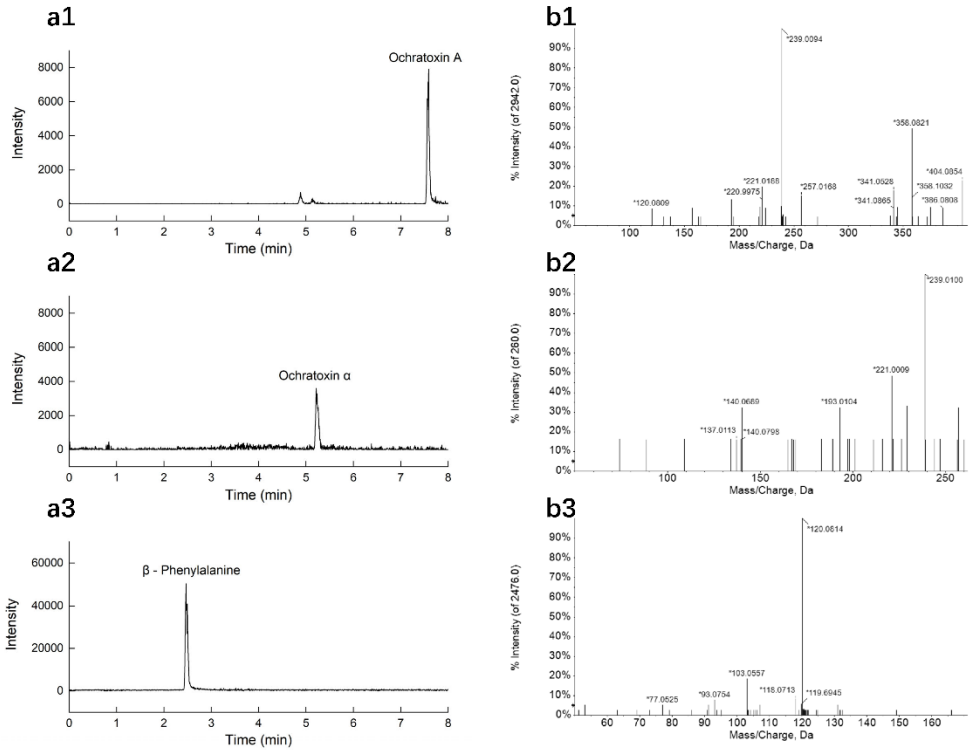


**Figure S1.** The extract ion chromatogram and MS/MS spectrum of (**a1** and **b1**) ochratoxin A, (**a2** and **b2**) ochratoxin $\alpha$ or (**a3** and **b3**) $\beta$-phenylalanine, which the sample processed by r*Af*OTase.

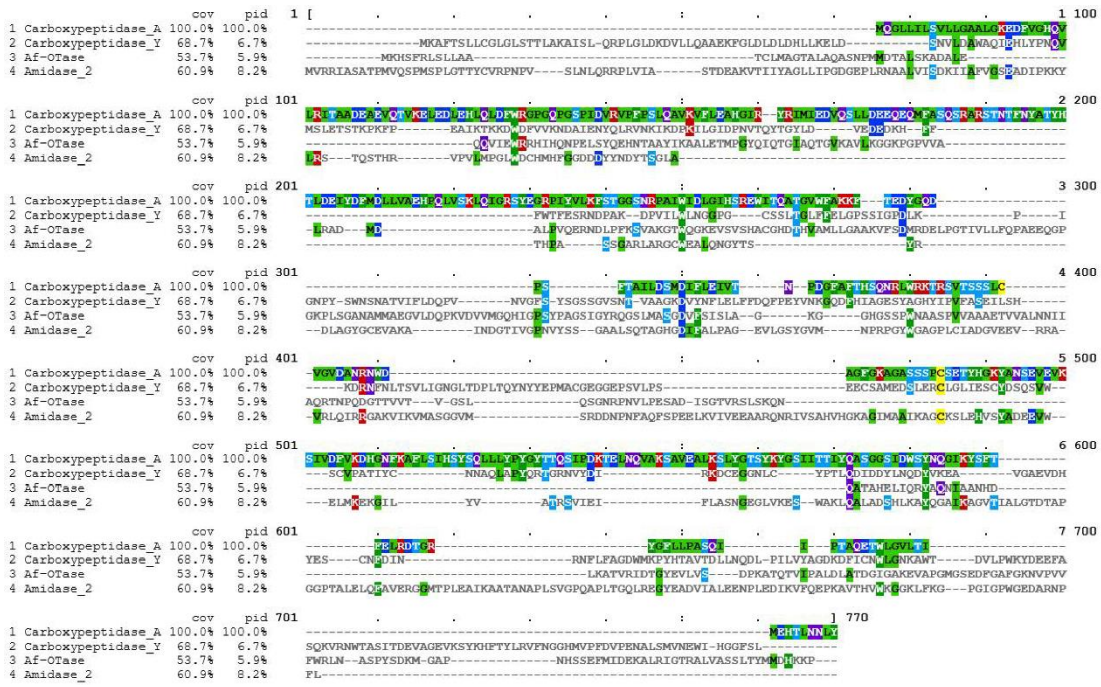

**Figure S2.** Multiple alignment of partial known ochratoxin A degrading enzymes. 1: Carboxypeptidase A from bovine pancreas; 2: Carboxypeptidase Y from *Saccharomyces cerevisiae*; 3: *Af*OTase from *Alcaligenes faecalis*; 4: Amidase 2 from *Aspergillus niger*.


**Figure S3.** Plasmid map for *Alcaligenes faecalis* OTase expression vector pET-28a(+)-r*Af*OTase.

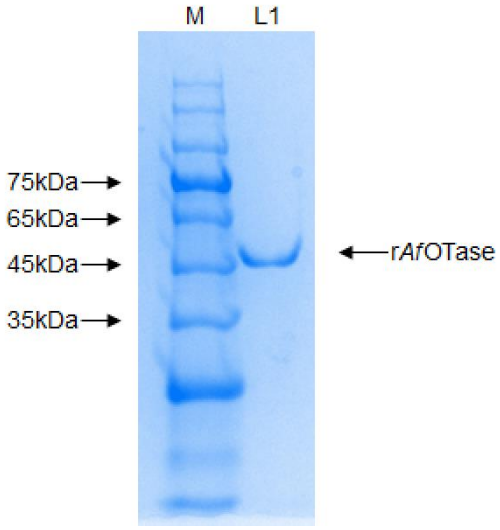


**Figure S4.** SDS–PAGE analysis of r*Af*OTase; M, protein size markers; L1, r*Af*OTase was purified by $Ni^{2+}$-NTA resin.