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Supplementary data

Fusarium solani pisi cutinase-catalyzed synthesis of polyamides

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Table S1

Hydrolysis activity: immobilized cutinase on Lewatit.

Enzymes	Unit activity (nmol of p-NP.min ⁻¹)	Specific activity (nmol of p-NP.min ⁻¹ .mg ⁻¹)
iCutinase on Lewatit (127 mg/g)	132	13
iCutinase on Lewatit (127 mg/g) after stirring 4 d in toluene	78 ± 17	7 ± 2

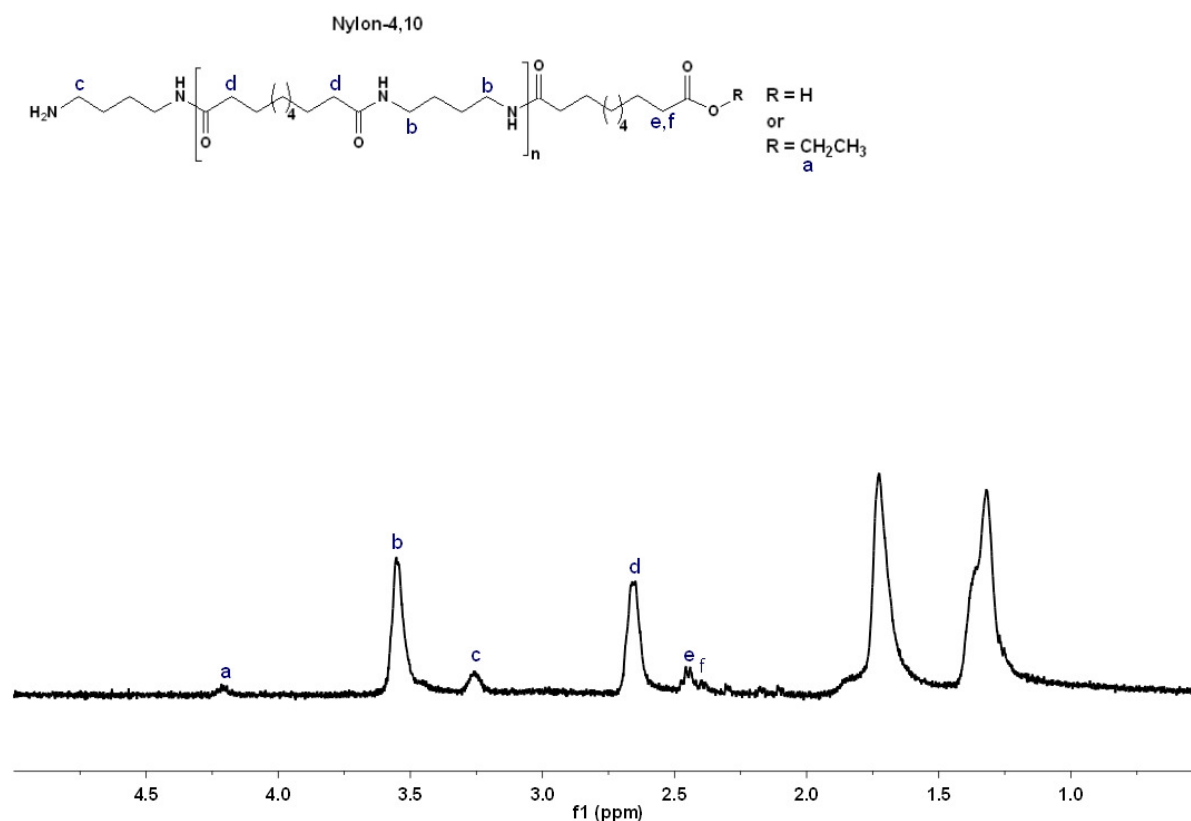


Fig. S1. ¹H-NMR spectrum of nylon-4,10 catalyzed by N435 in two-step reaction.

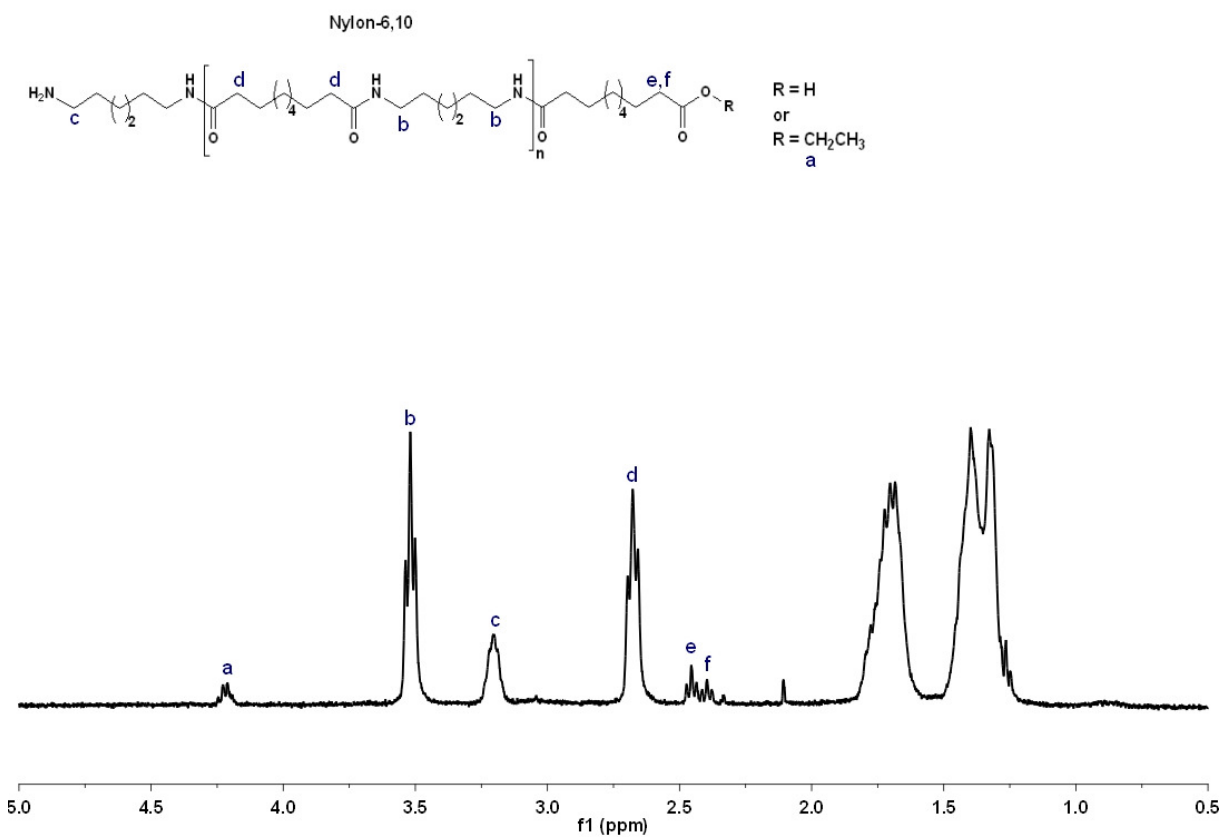


Fig. S2. 1H -NMR spectrum of nylon-6,10 catalyzed by CLEA cutinase in one-step reaction.

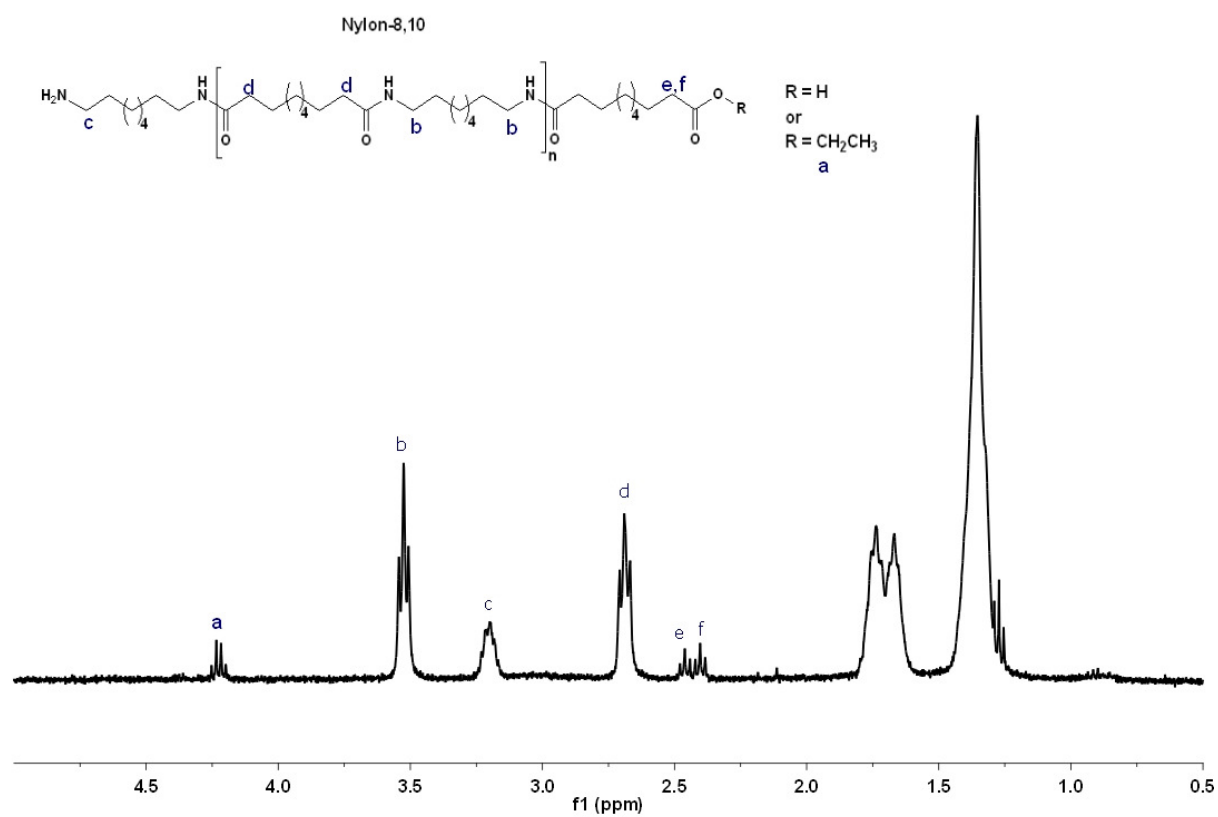


Fig. S3. 1H -NMR spectrum of nylon-8,10 catalyzed by CLEA cutinase in one-step reaction.

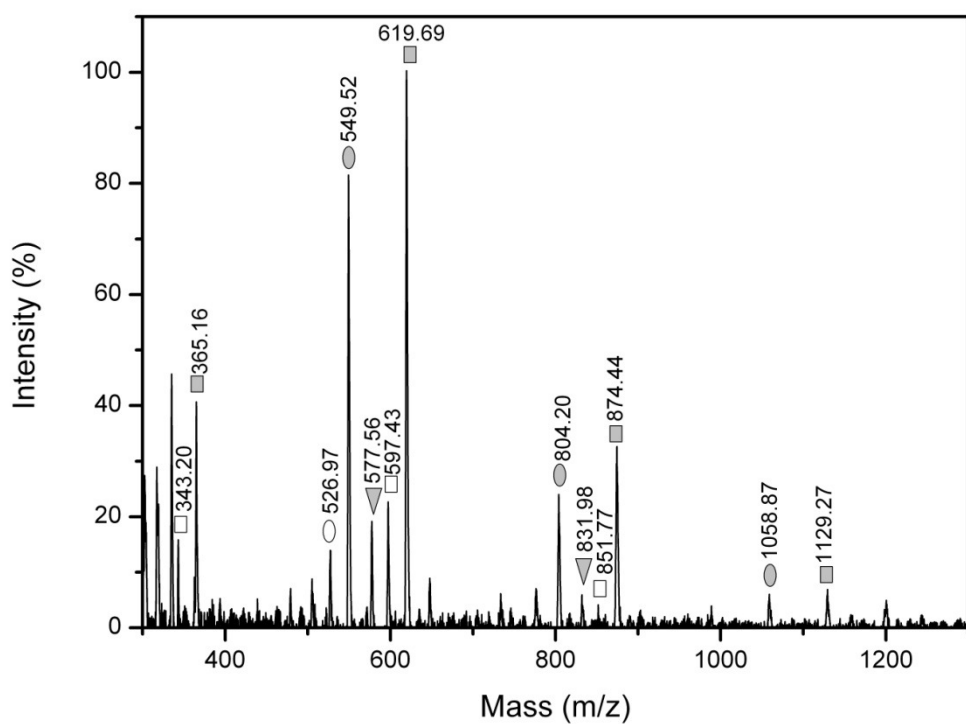


Fig. S4. MALDI-ToF spectrum of nylon-4,10 catalyzed by CLEA cutinase in one-step reaction.

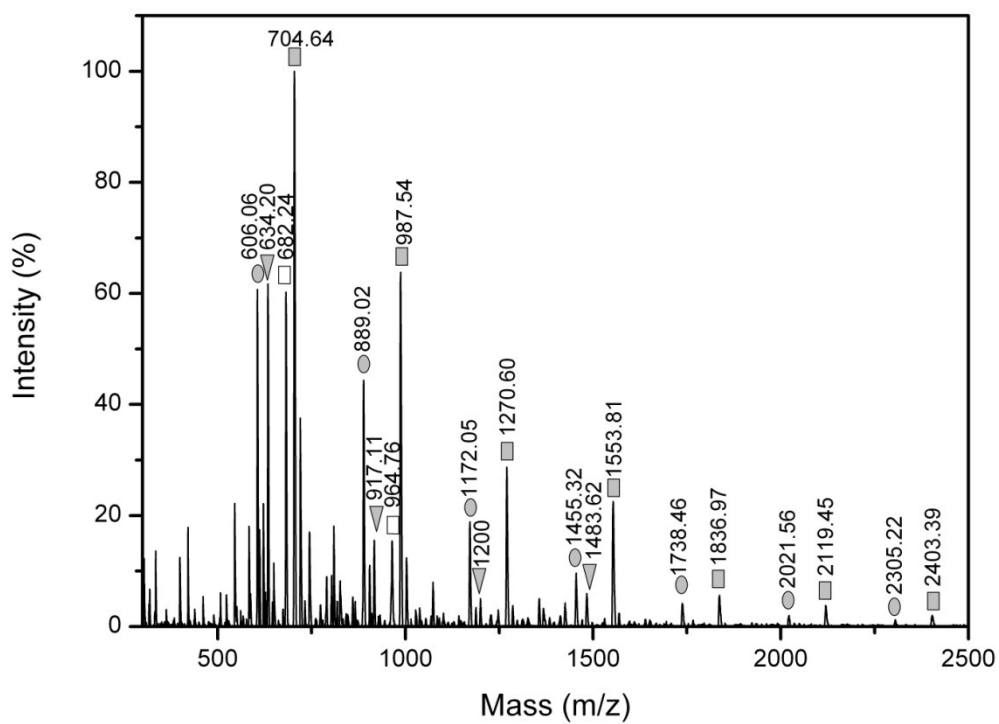


Fig. S5. MALDI-ToF spectrum of nylon-6,10 catalyzed by CLEA cutinase in one-step reaction.

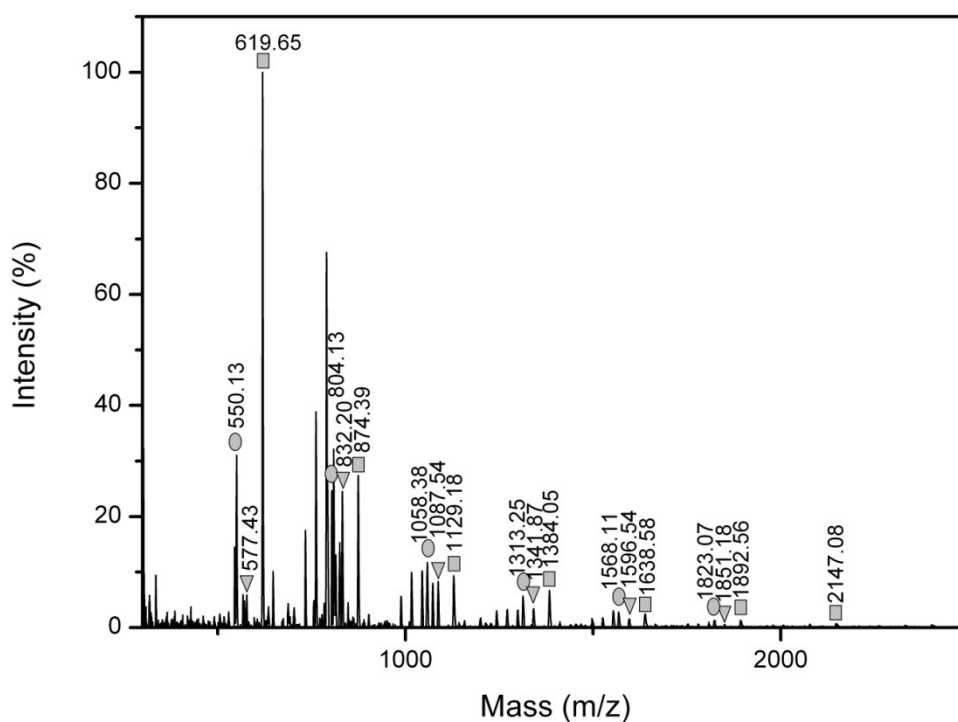


Fig. S6. MALDI-ToF spectrum of nylon-4,10 catalyzed by CLEA cutinase in two-step reaction.

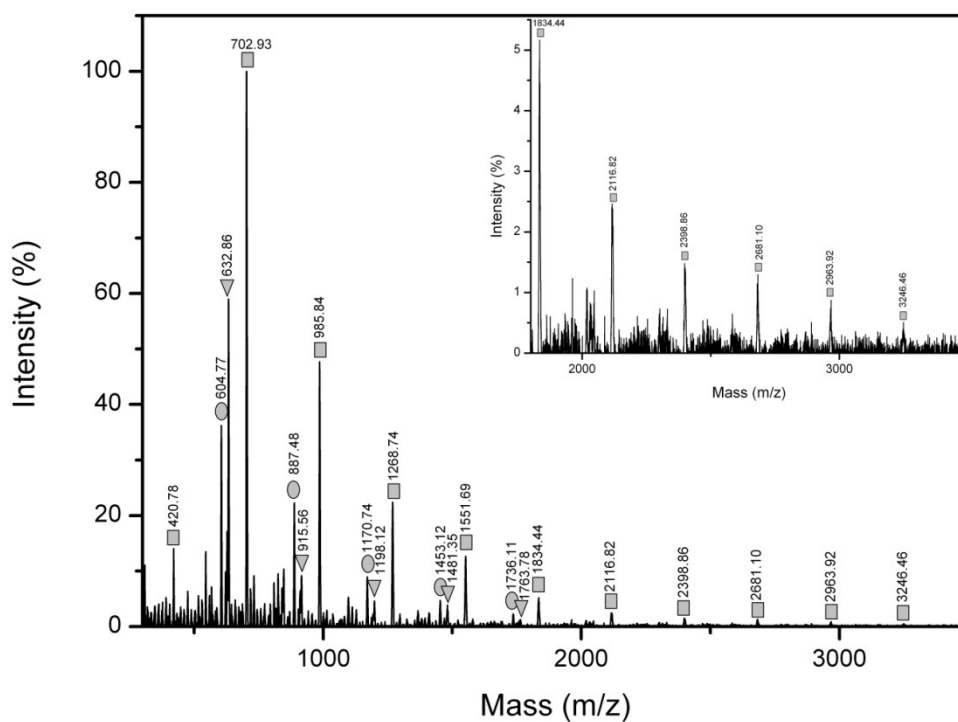


Fig. S7. MALDI-ToF spectrum of nylon-6,10 catalyzed by CLEA cutinase in two-step reaction.

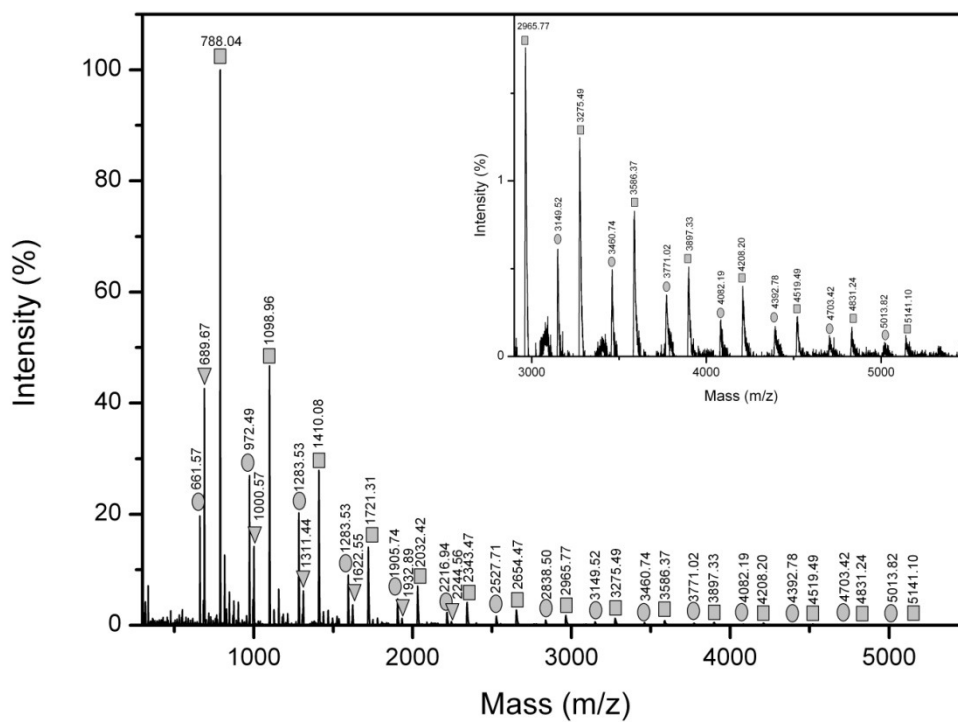


Fig. S8. MALDI-ToF spectrum of nylon-8,10 catalyzed by CLEA in two-step reaction.

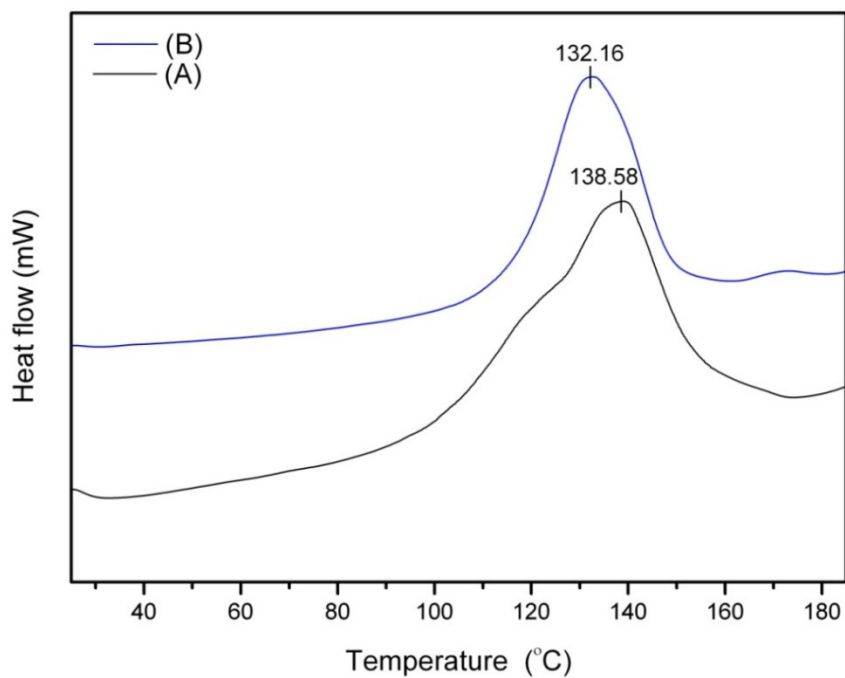


Fig. S9. DSC spectra from (A) nylon-8,10 and (B) nylon-6,10 catalyzed by CLEA cutinase in one-step reaction.