Can we make chitosan by enzymatic deacetylation of chitin?

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Keywords: Chitin; chitosan; chitin deacetylase; nuclear magnetic resonance.

Table of Contents:

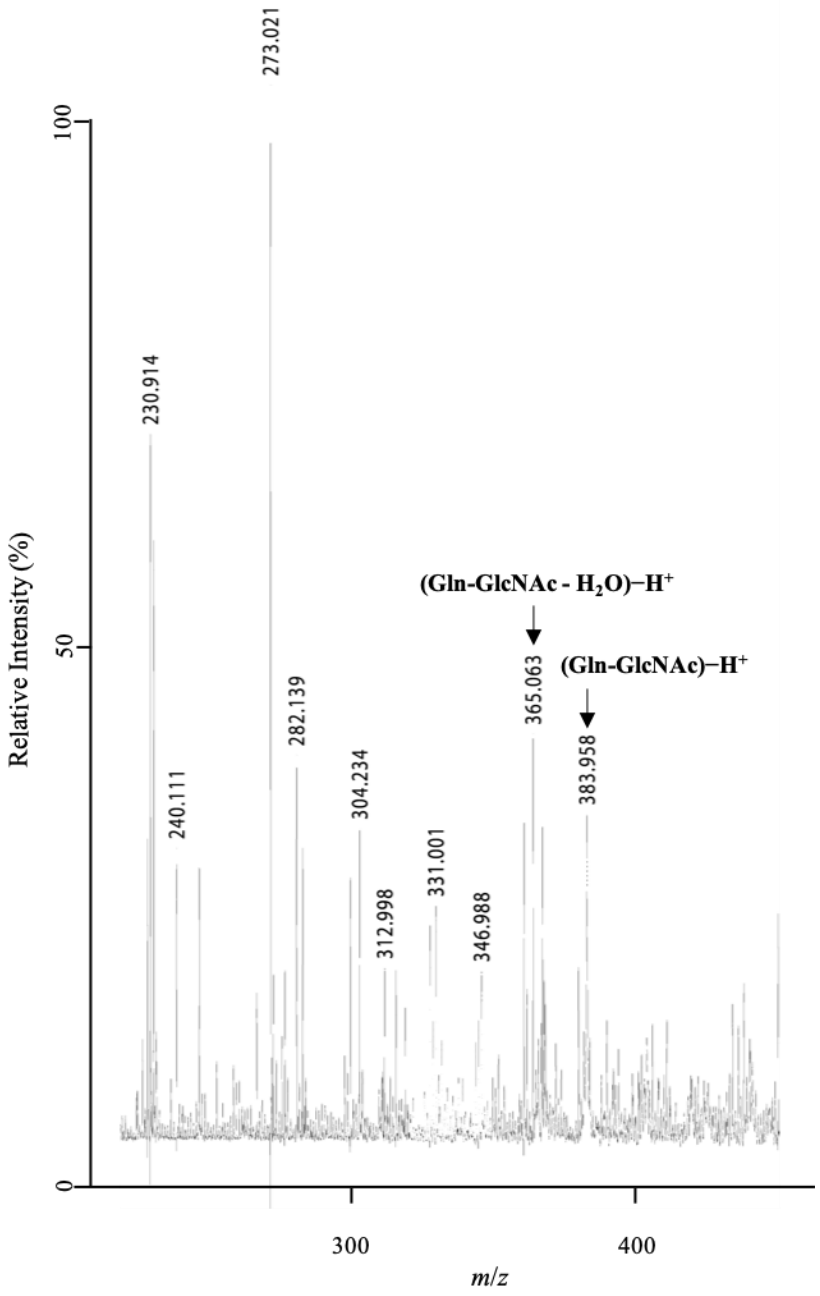

Figure S1. MALDI-TOF-MS spectra of *N,N*-diacetyl chitobiose after incubation with *Vc*CDA for 24 hours. We observe protonated GlcN-GlcNAc at *m/z* of 383 and protonated GlcN-GlcNAc minus H_2O at *m/z* of 365 indicated by arrows. There are no significant peak at *m/z* of 425 corresponding to protonated GlcNAc-GlcNAc.

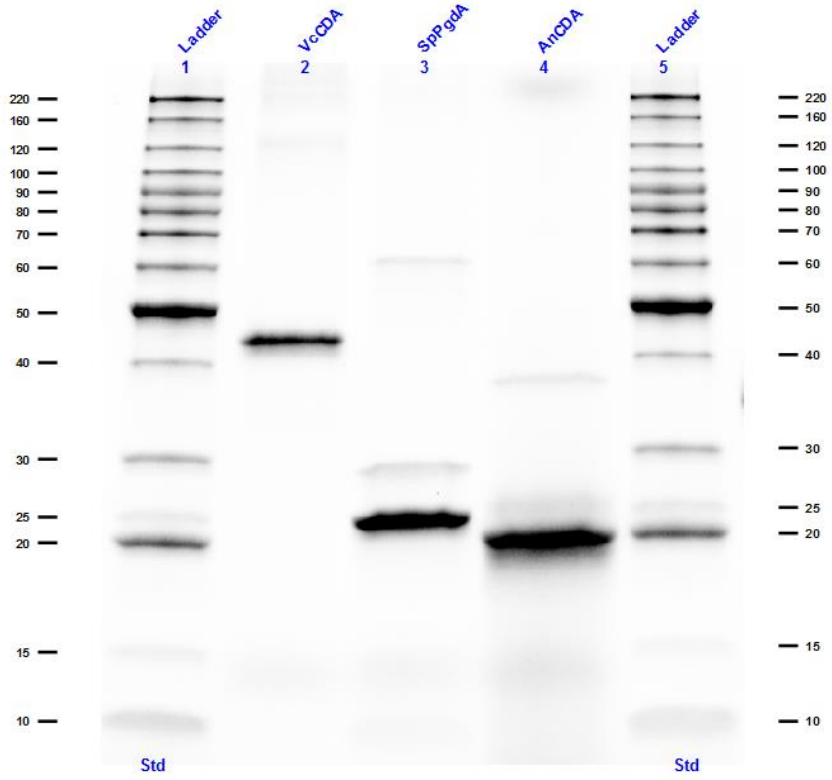

Figure S2. SDS–PAGE GEL analysis of *Vc*CDA, *Sp*PgdA, and *An*CDA9. Lane 1, protein standard; lane 2, *Vc*CDA; lane 3, *Sp*PgdA, and lane 4, *An*CDA9.