

Table 1

	Yield (pmole)			
Time (min)	Monomer	Dimer	Trimer	Tetramer
0	0	0	0	0
5	0	33.0	5.6	1.7
10	0	55.5	7.8	1.0
20	0	96.0	15.4	1.7
30	2.5	116.0	20.5	3.0
60	4.7	176.0	30.0	1.6
Total	7.2	476.5	79.3	9.0

Table 2

Substrate	K_m	k_{cat}	k_{cat}/K_m
pNP-GlcNAc	not hydrolyzed		
pNP-(GlcNAc) ₂	1.1 mM	7.2 s ⁻¹	6.8 x 10 ³ s ⁻¹ M ⁻¹
(GlcNAc) ₂	not hydrolyzed		
(GlcNAc) ₃	11.9 mM	10.3 s ⁻¹	8.7 x 10 ² s ⁻¹ M ⁻¹
(GlcNAc) ₄	2.2 mM	0.6 s ⁻¹	2.7 x 10 ² s ⁻¹ M ⁻¹
(GlcNAc) ₆	0.2 mM	6.2 s ⁻¹	3.1 x 10 ⁴ s ⁻¹ M ⁻¹
Chitin	0.17 mg/ml	0.1 s ⁻¹	-

Figure 1

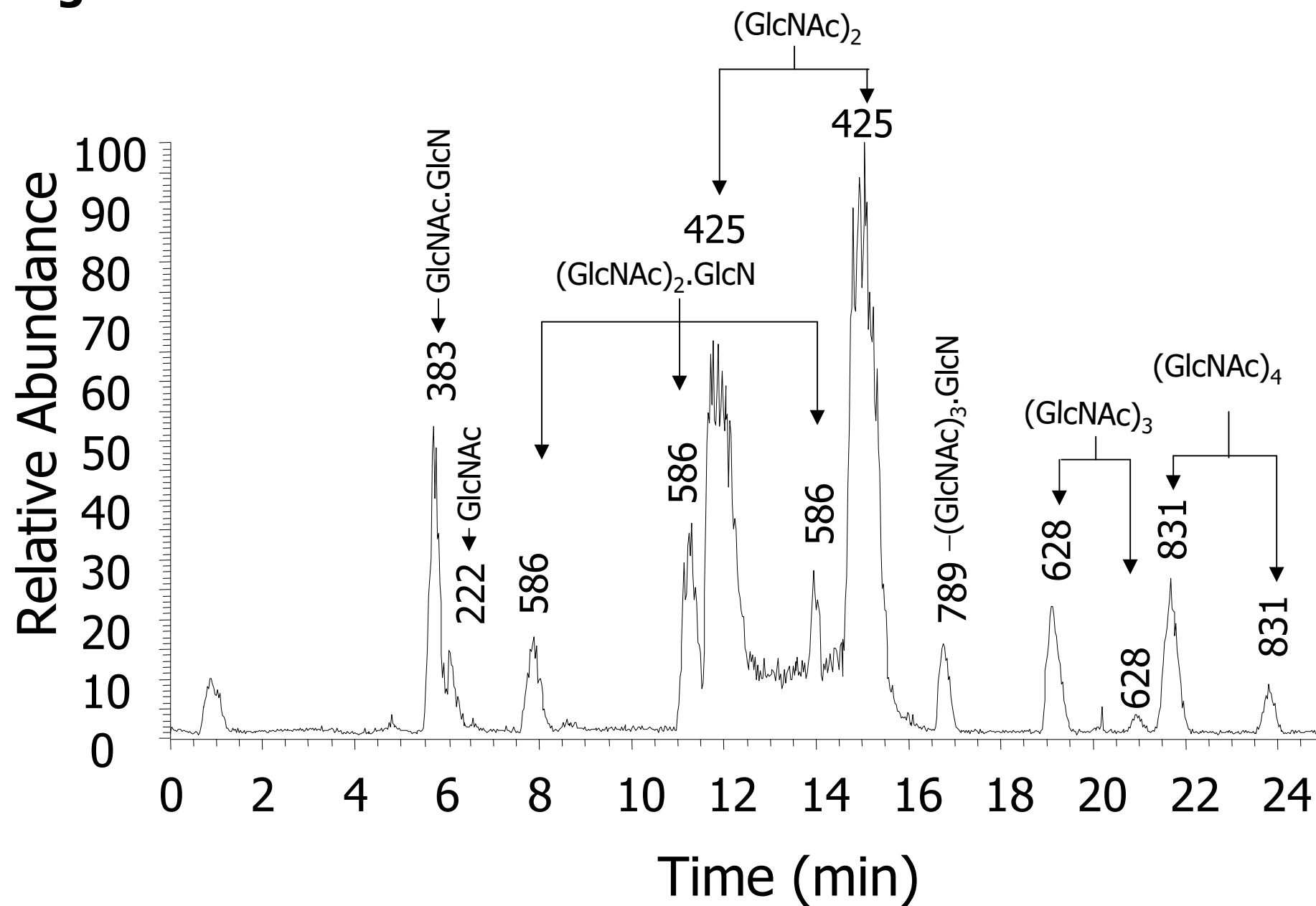


Figure 2

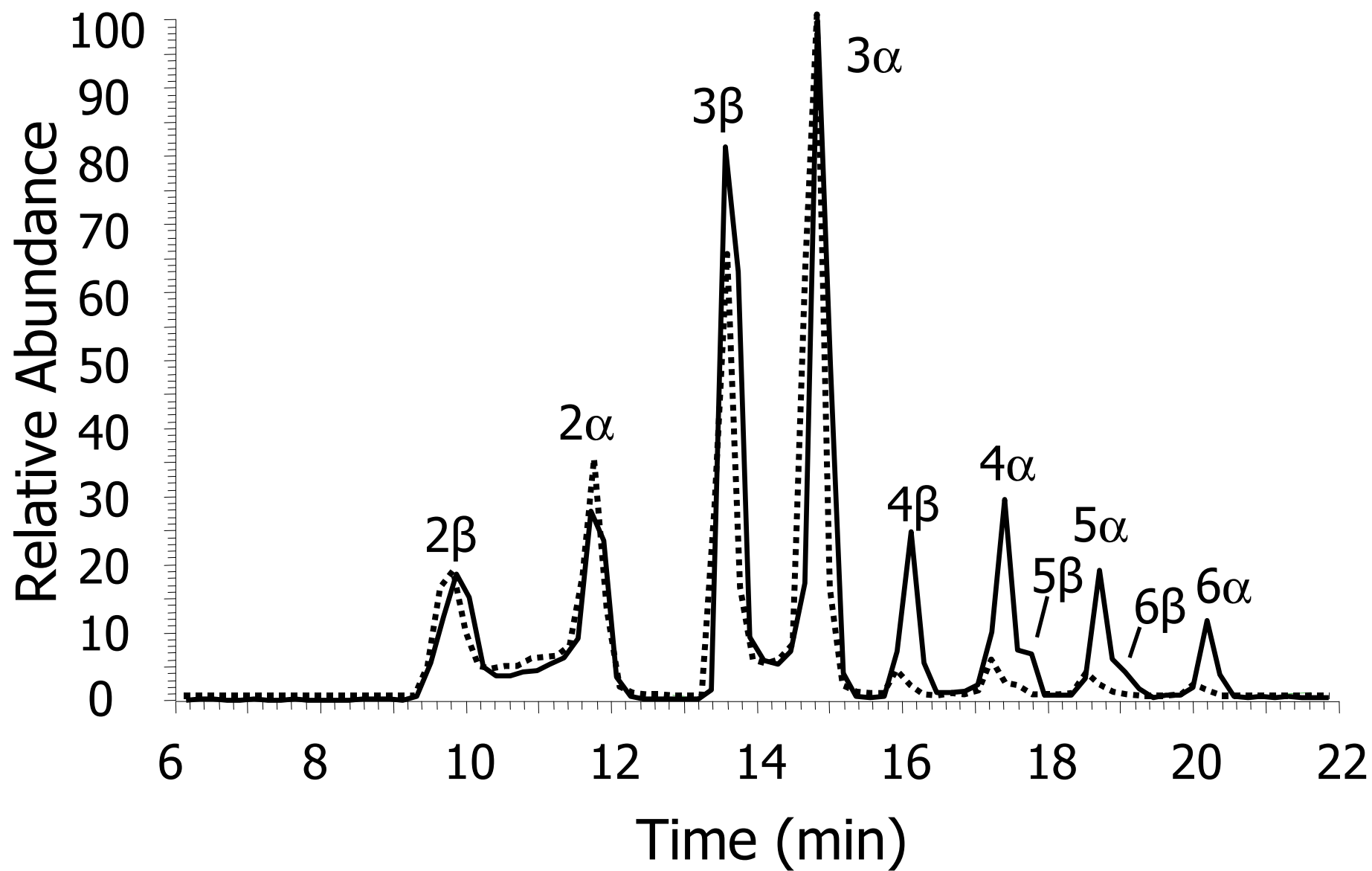
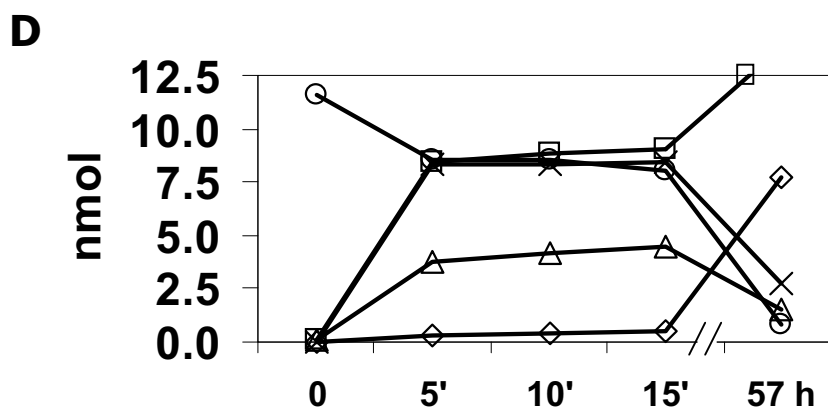
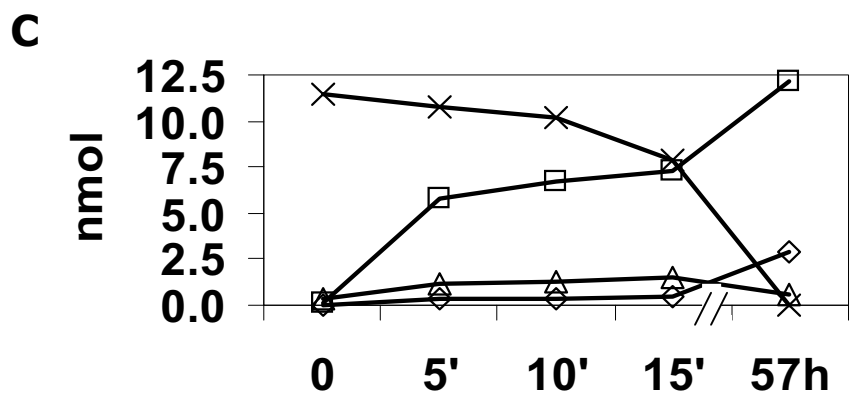
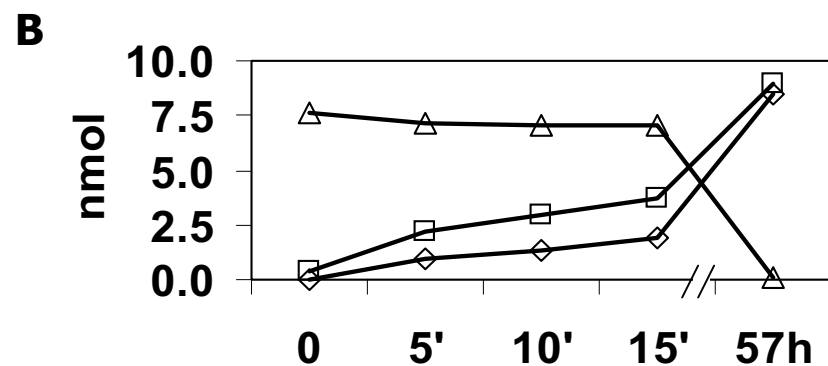
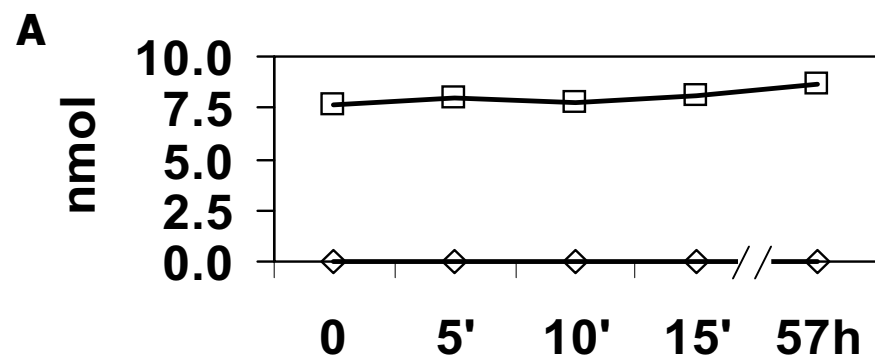


Figure 3



Reaction time

Reaction time

Figure 4

