OMM Impact Summarization

PMID 10860737	
Mutation	Impacts
N35D	As predicted from sequence comparisons, substitution of this asparagine residue with an aspartic acid residue (N35D BCX) shifts its pH optimum from 5.7 to 4.6, with an 20 % increase in activity.. . .
PMID 8855954	
Mutation	Impacts
E123A	Mutation of a third conserved active site carboxylic acid (E123A) resulted in rate reductions of up to 1500-fold on poorer substrates,...
E127A	Elimination of the acid/base catalyst (E127A) yields a mutant for which the deglycosylation step is slowed some 200-300-fold as a consequence of removal of general base catalysis, but with little effect on the transition state structure...
. . .	. . .