

		Endoglucanase enzyme group	Catalytic Mechanism		Folds		
			Retaining (α/β) ₈ and β -jelly roll folds	Inverting (α/α) ₆ fold	(α/β) ₈	β -jelly roll	(α/α) ₆
Significant Amino Acids	In Thermophile	Met, Arg	Leu, Met, Pro, Arg	Glu, Val	Arg, Leu, Pro	Glu, Arg, Cys, Leu, His	Glu, Val
	In Mesophile	Gln, Ser	Ser, Val	Gln	—	Ser, Thr	Gln
Intramolecular Interactions	main chain-main-chain (MC-MC)					3.1×10 ⁻²	
	main chain-side chain (MC-SC)		2.5×10 ⁻²				
	side chain-side chain (SC-SC)						
	hydrophobic						
	ionic	4.3×10 ⁻²				7.8×10 ⁻³	
	disulphide bonds						
	aromatic						
	aromatic-sulfur					3.9×10 ⁻²	
	cation- π		4.2×10 ⁻²				