

**Table S3: Comparison of the “cluster residues” from *f*-PEN and the “sector residues” from SCA in  $\beta$ -glycanase family**

Cluster residues ( <i>f</i> -PEN)*	Sector residues (SCA)*	Common residues (sectors $\cap$ clusters)*
72, 69, 65, 77, 117, 163, 118, 218, 164, 119, 248,	55, 73, 74, 81, 82, 83,	163
219, 165, 120, 166, 167, 220, 250, 302, 335, 303,	104, 106, 109, 110, 112,	164
251, 304, 253, 337, 306, 338, 305, 336, 32, 170,	114, 119, 123, 130, 158,	119
254, 307, 255, 308, 339, 34, 35, 169, 79, 33, 78,	159, 160, 161, 163, 164,	219
116, 76, 115, 110, 106, 103, 107, 104, 111, 112,	165, 167, 169, 171, 199,	165
108, 105, 109, 113, 71, 68, 64, 67, 63, 66, 73, 70,	203, 206, 207, 219, 226,	167
75, 31, 141, 147, 146, 150, 148, 144, 142, 139,	228, 229, 230, 231, 237,	302
145, 143, 140, 137, 197, 210, 207, 201, 204, 208,	252, 255, 270, 272, 273,	255
209, 205, 199, 202, 206, 203, 200, 198, 196, 320,	277, 288, 290, 293, 300,	169
329, 330, 326, 323, 324, 327, 328, 325, 322, 319	302, 318, 319, 321, 323,	110
	328	106
		104
		112
		109
		73
		207
		199
		206
		203
		323

\* Residue numbers corresponding to PDB id 1EDG are given.