

**Supplementary Table S1:** Secondary structure proportions of *AfAA9\_B* and *AfCel6A* from literature and different prediction methods in comparison with the one determined by BeStSel based on the CD spectra.

	<i>AfAA9_B</i>				<i>AfCel6A</i>		
	BeStSel 1 (CD)	PDB: 5X6A	Phyre2	Kabsch & Sander	BeStSel (CD)	Phyre2	Kabsch & Sander
<b><math>\alpha</math>-helix (%)</b>	8.3	12.7	1.0	10.9	27.0	28.0	30.3
<b><math>\beta</math>-strand (%)</b>	31.4	31.4	40.0	29.3	7.7	10.0	10.8
<b>Turns (%)</b>	11.9	-	-	-	12.8	-	-
<b>Others (%)</b>	48.4	55.9	59.0	59.8	52.8	62.0	58.9