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Author Correction: Structural Features of a Bacteroidetes-Affiliated Cellulase Linked with a Polysaccharide Utilization Locus

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This Article contains an error, where the protein name corresponding to 4IM4 (pdbid) is incorrectly given as "Lic26A-Cel5E", and should read "CelE".

In addition, three references were omitted from Table 2, and are given below as References 1–3.

The correct Table 2 and Figure 4 are given below as Table 1 and Figure 1 respectively.

Finally, the updated Supplementary Information file, containing the correct protein name in Figure S1, is given below.

	Structural comparison			Enzymatic activities							
	DALI Z-score	RMSD (Å)	% id	CMC (U/mg)	β-glucan (U/mg)	Filter paper (U/mg)	Avicel (U/mg)	Lichenan (U/mg)	Xylan (U/mg)	Xyloglucan (U/mg)	Reference
Bacteroidetes AC2a Cellulase Cel5A	—	—	—	216.8	1471.4	0.152[a]	0.115[a]	839.9	nd	trace	*This study* and[7]
Paenibacillus pabuli Xyloglucanase XG5 (2JEP)	49.2	1.6	34	nd	nd	—	nd	nd	nd	8700	[33]
Clostridium cellulovorans Cellulase EngD (3NDY)	47.0	1.7	33	15	42	—	0.017	—	0.5	36	[15]
Bacteroides ovatus Xyloglucanase BoGH5A (3ZMR)	46.6	1.9	32	nd	nd	—	—	nd	—	514.2	[44]
Clostridium thermocellum Cellulase CelE (4IM4)	46.0	1.6	32	Active	75.4	Active	—	—	Active	—	[1–3], b
Clostridium cellulolyticum Cellulase CelCCA (1EDG)	45.9	1.9	32	101.3	104.3	—	0.028 (0.124)[d]	79.2	10.1	—	[45,46], c
Piromyces rhizinflata Cellulase CelAcd (3AYR)	43.2	1.8	30	344.9	576	0.64	1.39	542.5	106.2	—	[47]

Table 1. Structural comparison of *AC2a*Cel5A with its six closest structural homologues identified using the DALI server[17], along with reported enzyme activities. RMSD; root-mean-square deviation of C-alpha atoms. The structural homologues are sorted based on the Z-score obtained in the DALI search. One Unit of enzyme activity was defined as the amount of enzyme releasing 1 μmol of reducing sugar equivalents per minute. "nd" means not detected, whereas a hyphen, "—", indicates "not tested". [a]μmol reducing sugar equivalents calculated as μmol cellotriose + μmol cellobiose + μmol glucose, quantified by HPAEC-PAD[7]. [b]GH5 domain of CelE. [c]U/mg calculated from U/μmol reported in[45]. [d]For this enzyme data for both the full length protein (in parentheses), and the catalytic domain only were published.
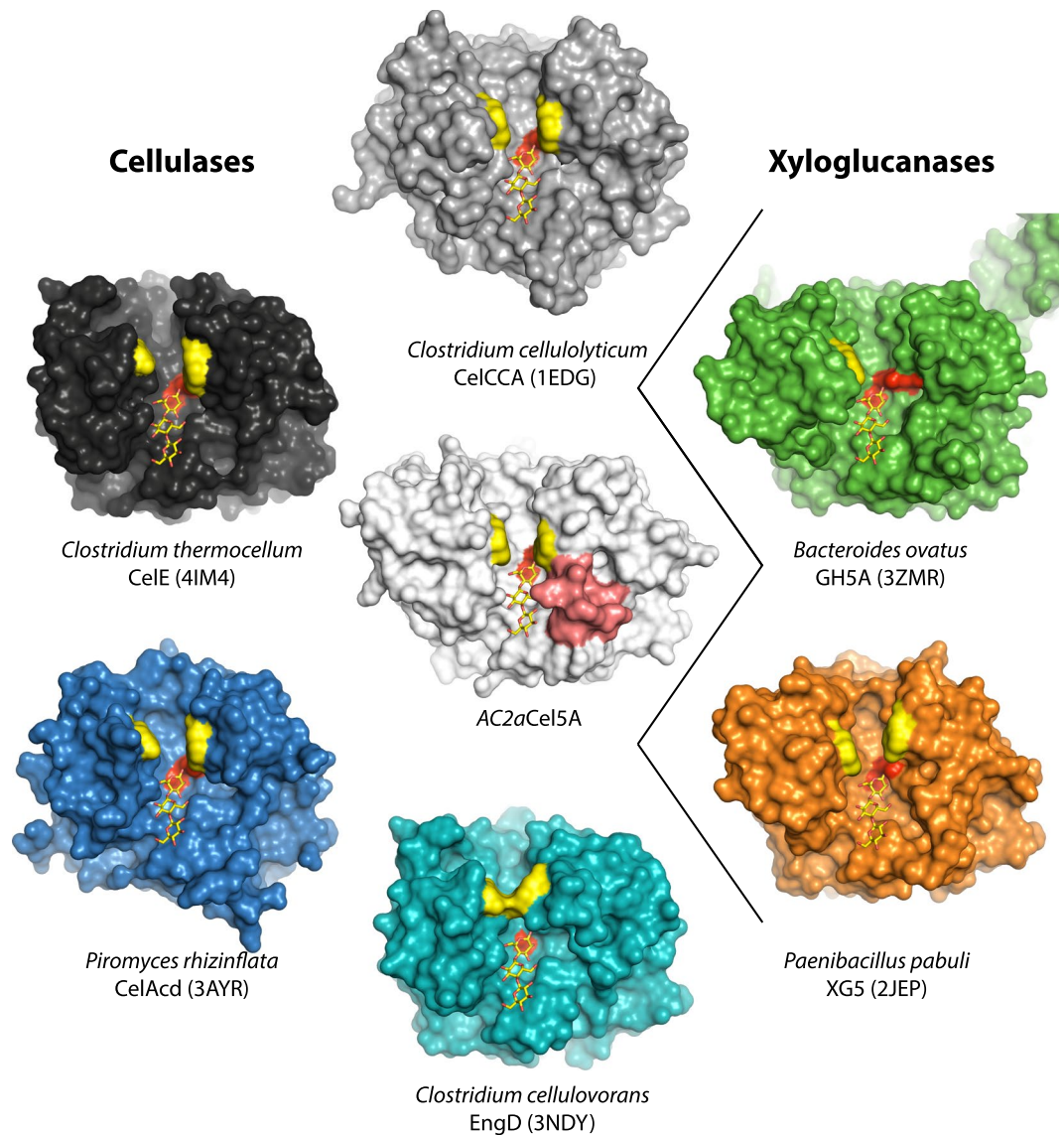
Figure 1.

References

1. Hall, J., Hazlewood, G. P., Barker, P. J. & Gilbert, H. J. Conserved reiterated domains in Clostridium thermocellum endoglucanases. *Gene* **69**, 29–38 (1988).
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3. Takasuka, T. E. *et al.* Cell-free translation of biofuel enzymes. *Methods Mol. Biol.* **1118**, 71–95 (2014).

Additional information