Supplementary Table S1. Influence of various additives on the activity of Cel12E. Experiments were performed with 0.05 µg purified enzyme Cel12E against 2 % (w/v) carboxymethyl cellulose at 92 °C using 50 mM MES buffer (pH 5.5) in duplicates. Values are shown as relative activity values from duplicate measurements ± standard deviations.

	Relative activity (%)	
Additive	1 mM	10 mM
$CuSO_4$	146.5 ± 35.8	37.30 ± 5.5
$FeCl_3$	15.5 ± 7.5	83.7 ± 9.9
$FeSO_4$	47.7 ± 10.6	86.2 ± 52.4
LiCl	109.5 ± 5.7	105.3 ± 8.8
$NiCl_2$	84.0 ± 9.4	82.1 ± 16.6
$MgCl_2$	57.2 ± 3.3	91.0 ± 4.4
DTT	246.2 ± 6.3	165.9 ± 0.1
β-Mercaptoethanol	90.5 ± 53.9	75.0 ± 33.5
SDS	100.3 ± 4.6	0.0 ± 8.7
Triton X-100	77.8 ± 11.8	140.6 ± 1.9
$CoCl_2$	210.9 ± 5.1 *	ND
$MnCl_2$	188.5 ± 22.6	33.4 ± 5.5
No supplementation		100.0 ± 13.5

* concentration used: 0.5 mM, ND: not determined