Muropeptide ¹ or feature	Relative peak area (%) ²			Retention
	WT	∆ttsA	∆ycbB	time (min)
Tri	11.9	11.6	6.6	20.8
Tetra	32.9	32.9	44.4	32.6
Di	2.5	2.5	2.1	37.0
TriTri(DAP)	2.4	2.4	0.4	56.9
TetraTri(DAP)	6.0	6.1	1.0	62.0
TetraTri	7.7	7.1	2.8	63.6
TetraTetra	32.9	33.6	38.6	69.6
TetraTetraTetra	3.6	3.7	4.1	85.1
% dipeptides	2.5	2.5	2.1	
% tripeptides	21.2	20.6	8.9	
% tetrapeptides	76.3	76.9	89.0	
% DD-cross-links ³	85.0	85.0	97.3	
% LD-cross-links3	15.0	15.0	2.7	

Table S1: Muropeptides identified through high-performance liquid chromatography analysis

¹ Muropeptides were identified by their retention time ² Values were calculated from known muropeptides. ³ Calculated from cross-linked muropeptides only.