Supporting Information

Bacteriophage-mediated glucosylation can modify lipopolysaccharide O antigens synthesized by an ABC transporter-dependent assembly mechanism

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Content

2D NMR spectra of the O-polysaccharide from *E. coli* CWG1217 Δwzx -wbbK transformed with the *R. terrigena* O-antigen gene cluster (pKM114).

Fig. S1. ¹H, ¹H COSY spectrum

Fig. S2. ¹H, ¹H TOCSY spectrum

Fig. S3. ¹H, ¹H NOESY spectrum

Fig. S4. ¹H, ¹³C HMBC spectrum

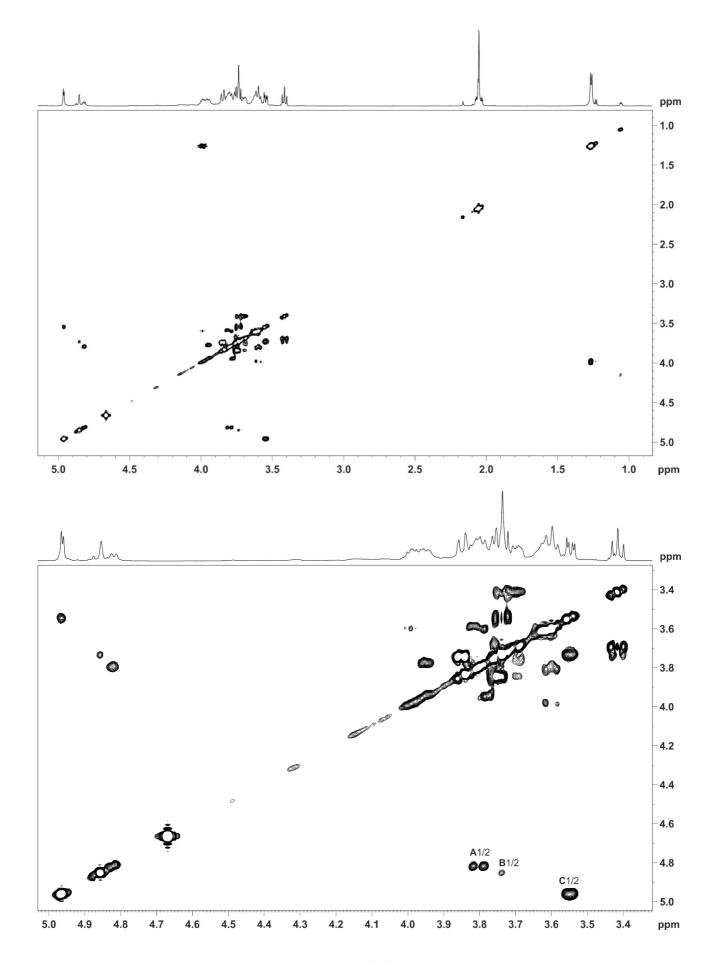


Figure S1. Full (top) and expanded (bottom) ¹H, ¹H COSY spectrum. Correlations between anomeric and ring protons are indicated. Sugar residues are designated as **A** (GlcNAc), **B** (Rha) and **C** (Glc).

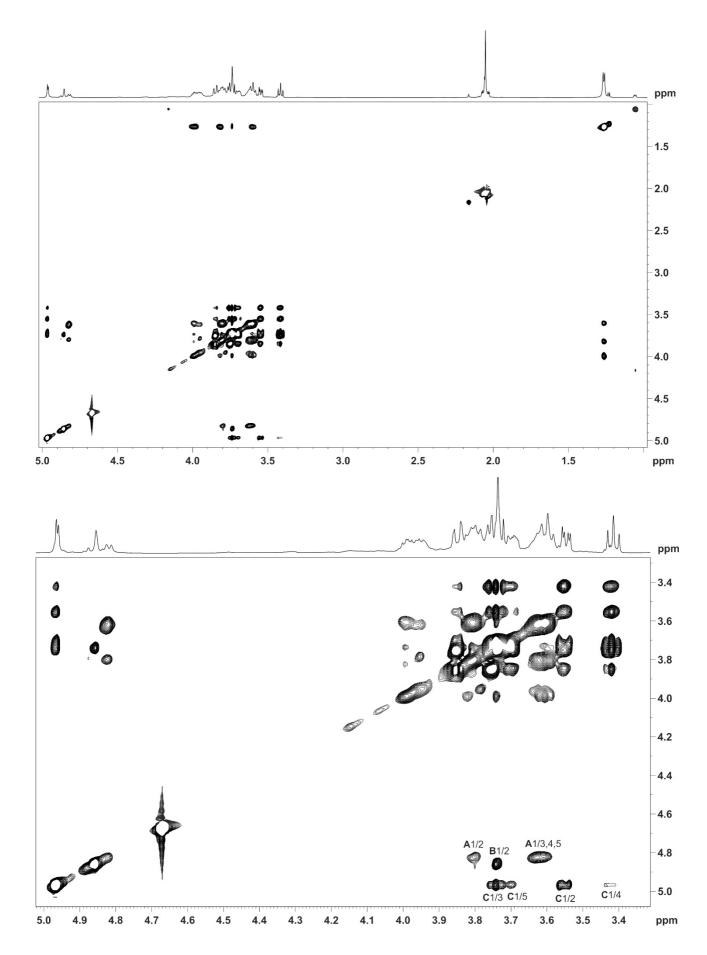


Figure S2. Full (top) and expanded (bottom) ¹H, ¹H TOCSY spectrum. Correlations between anomeric and ring protons are indicated. Sugar residues are designated as **A** (GlcNAc), **B** (Rha) and **C** (Glc).

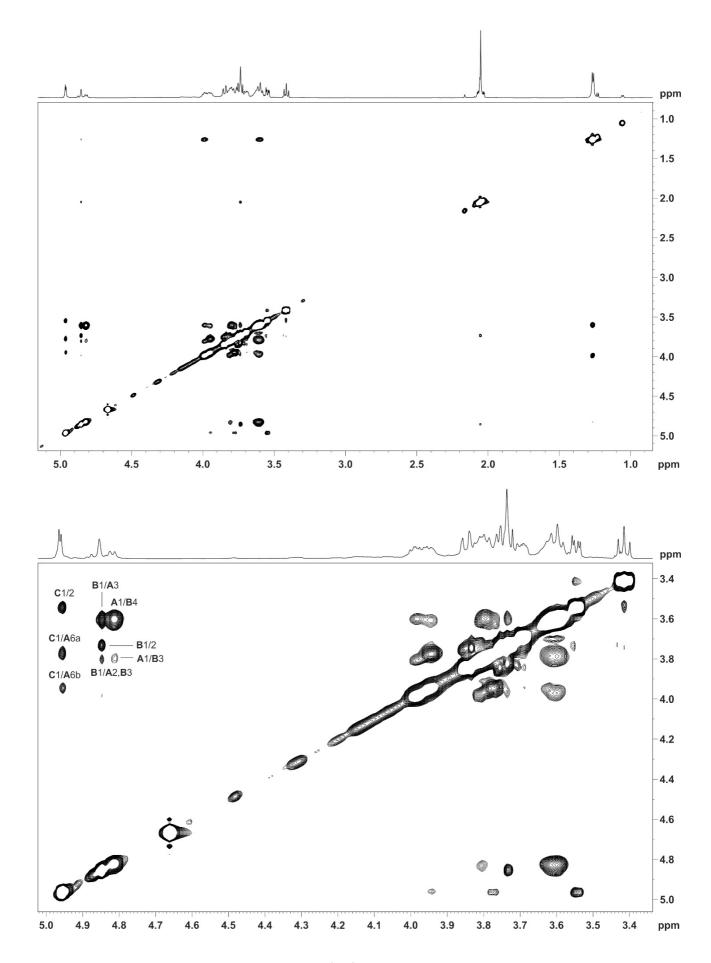


Figure S3. Full (top) and expanded (bottom) ¹H, ¹H NOESY spectrum. Correlations between anomeric and ring protons are indicated. Sugar residues are designated as **A** (GlcNAc), **B** (Rha) and **C** (Glc).

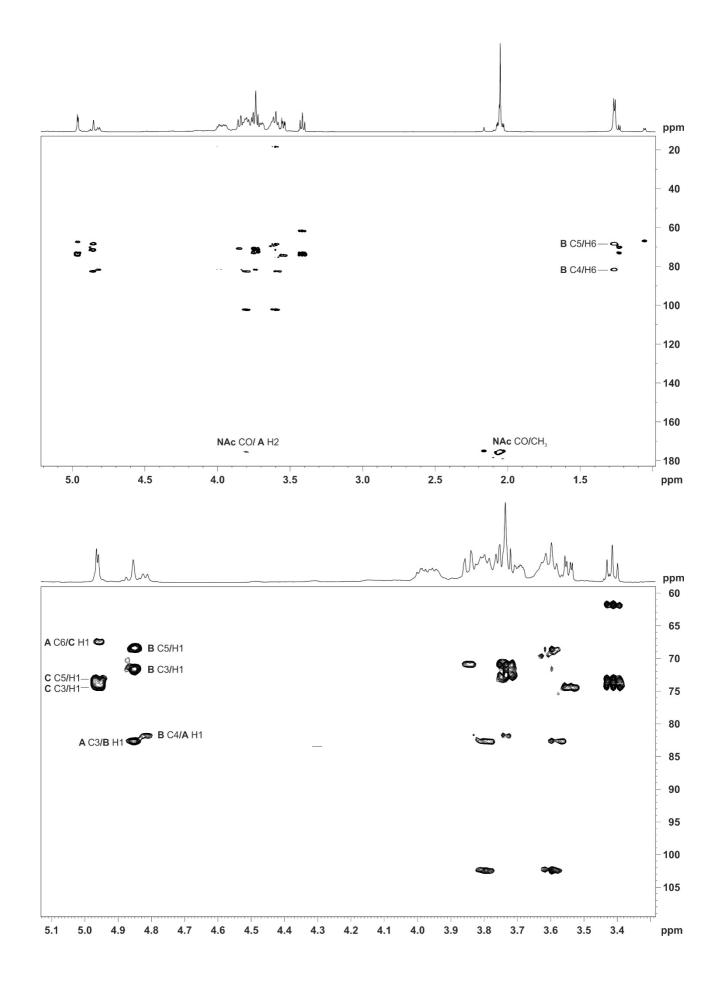


Figure S4. Full (top) and expanded (bottom) ¹H, ¹³C HMBC spectrum. The characteristic C/H correlations are indicated. Sugar residues are designated as **A** (GlcNAc), **B** (Rha) and **C** (Glc).