

Supplemental Material Table S1. Observed masses and proposed compositions for full-length cores observed by ESI-MS

Strain	Proposed structure ^b	Calculated (<i>m/z</i>)	Observed (<i>m/z</i>) ^a
PAO1			
	[RhaGlc ₃ GalN(Ala)Hep(Cm)HepP ₃ anhydroKdo-2H] ²⁻	874.70	874.7
	[RhaGlc ₃ GalN(Ala)Hep(Cm)HepP ₄ anhydroKdo-3H+Na] ²⁻	925.67	925.7
	[RhaGlc ₄ GalN(Ala)Hep(Cm)HepP ₂ Kdo-2H] ²⁻	924.73	924.8
	[RhaGlc ₄ GalN(Ala)Hep(Cm)HepP ₃ Kdo-2H] ²⁻	964.73	964.8
	[RhaGlc ₄ GalN(Ala)Hep(Cm)HepP ₃ Kdo-3H+Na] ²⁻	975.72	975.8
	[RhaGlc ₄ GalN(Ala)Hep(Cm)HepP ₃ anhydroKdo-2H] ²⁻	955.73	955.8
	[RhaGlc ₄ GalN(Ala)Hep(Cm)HepP ₃ anhydroKdo-3H+Na] ²⁻	966.72	966.7
	[RhaGlc ₄ GalN(Ala)Hep(Cm)HepP ₄ Kdo-3H+Na] ²⁻	1015.71	1015.7
	[RhaGlc ₄ GalN(Ala)Hep(Cm)HepP ₄ anhydroKdo-2H] ²⁻	995.71	995.7
	[RhaGlc ₄ GalN(Ala)Hep(Cm)HepP ₄ anhydroKdo-3H+Na] ²⁻	1006.70	1006.7
CDR0031 (WaaP-depleted)			
	[RhaGlc ₃ GalN(Ala)Hep(Cm)HepP ₃ anhydroKdo-2H] ²⁻	874.70	874.7
	[RhaGlc ₄ GalN(Ala)Hep(Cm)HepP ₃ Kdo-2H] ²⁻	964.73	964.8
	[RhaGlc ₄ GalN(Ala)Hep(Cm)HepP ₃ anhydroKdo-2H] ²⁻	955.73	955.8
	[RhaGlc ₄ GalN(Ala)Hep(Cm)HepP ₃ anhydroKdo-3H+Na] ²⁻	966.72	966.7
	[RhaGlc ₄ GalN(Ala)Hep(Cm)HepP ₄ Kdo-3H+Na] ²⁻	1015.71	1015.7
	[RhaGlc ₄ GalN(Ala)Hep(Cm)HepP ₄ anhydroKdo-3H+Na] ²⁻	1006.70	1006.7
CDR0060 (WapP/WapQ/PA5006-depleted)			
	[RhaGlc ₃ GalN(Ala)Hep(Cm)HepP ₃ anhydroKdo-2H] ²⁻	874.70	874.7
	[RhaGlc ₃ GalN(Ala)Hep(Cm)HepP ₃ Kdo-2H] ²⁻	883.70	883.7
	[RhaGlc ₃ GalN(Ala)Hep(Cm)HepP ₃ anhydroKdo-3H+Na] ²⁻	885.69	885.7
	[RhaGlc ₃ GalN(Ala)Hep(Cm)HepP ₄ anhydroKdo-3H+Na] ²⁻	925.67	925.7
	[RhaGlc ₄ GalN(Ala)Hep(Cm)HepP ₂ Kdo-2H] ²⁻	924.73	924.8
	[RhaGlc ₄ GalN(Ala)Hep(Cm)HepP ₂ anhydroKdo-2H] ²⁻	915.73	915.8
	[RhaGlc ₄ GalN(Ala)Hep(Cm)HepP ₃ Kdo-2H] ²⁻	964.73	964.8
	[RhaGlc ₄ GalN(Ala)Hep(Cm)HepP ₃ Kdo-3H+Na] ²⁻	975.72	975.8
	[RhaGlc ₄ GalN(Ala)Hep(Cm)HepP ₃ anhydroKdo-2H] ²⁻	955.73	955.8
	[RhaGlc ₄ GalN(Ala)Hep(Cm)HepP ₃ anhydroKdo-3H+Na] ²⁻	966.72	966.7
	[RhaGlc ₄ GalN(Ala)Hep(Cm)HepP ₄ Kdo-3H+Na] ²⁻	1015.71	1015.7
	[RhaGlc ₄ GalN(Ala)Hep(Cm)HepP ₄ anhydroKdo-3H+Na] ²⁻	1006.70	1006.7
	[RhaGlc ₄ GalN(Ala)Hep(Cm)HepP ₅ anhydroKdo-3H+Na] ²⁻	1046.68	1046.7

^aPeaks identified by negative ion ESI-MS with an *m/z* scan (60-2200) were subject to enhanced resolution ESI-MS to determine exact mass and charge state (not shown). Only assignable peaks with unambiguous exact masses and charge states are listed.

^bA second Kdo residue, which is cleaved as a result of acid hydrolysis during core preparation (7) would be present in the intact core.