

Supplemental Data Table 1. Negative Ion ESI-MS data and proposed compositions for intact *C. jejuni* LOS. Strains from patients who developed GBS are designated with GB prefixes (GBXX). Strains from patients who developed MFS are designated with MF prefixes (MFXX). Strains from control patients with enteritis only are designated with numbers without prefixes (XX).

Strain	Molecular mass [Da]		Molecular mass [Da]		Proposed composition	LOS class
	[M-4H] ⁺	[M-3H] ³⁻	Observed	Calculated		
GB1	940.2	1253.5	3761.2	3762.9	Hex ₅ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (<i>PEtn, P</i>)	C
		1272.2	3819.6	3820.0	Gly•Hex ₅ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (<i>PEtn, P</i>)	
	970.3	1294.3	3885.6	3886.0	Hex ₅ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (<i>PEtn, PEtn</i>)	
		1313.4	3943.2	3943.0	Gly•Hex ₅ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (<i>PEtn, PEtn</i>)	
GB4, 86		1346.7	4043.1	4043.7	QuiNAC ₁ •Hex ₂ •HexNAC ₃ •Hep ₂ •PNMe ₁ •PEtn ₁ •KDO ₂ •lipid A (<i>P, P</i>)	P
	1050.1	1401.1	4205.4	4205.9	QuiNAC ₁ •Hex ₃ •HexNAC ₃ •Hep ₂ •PNMe ₁ •PEtn ₁ •KDO ₂ •lipid A (<i>P, P</i>)	
		1419.9	4262.7	4262.9	Gly•QuiNAC ₁ •Hex ₃ •HexNAC ₃ •Hep ₂ •PNMe ₁ •PEtn ₁ •KDO ₂ •lipid A (<i>P, P</i>)	
	1081.4	1441.9	4329.2	4328.9	QuiNAC ₁ •Hex ₃ •HexNAC ₃ •Hep ₂ •PNMe ₁ •PEtn ₁ •KDO ₂ •lipid A (<i>PEtn, P</i>)	
		1460.8	4385.4	4386.0	Gly•QuiNAC ₁ •Hex ₃ •HexNAC ₃ •Hep ₂ •PNMe ₁ •PEtn ₁ •KDO ₂ •lipid A (<i>PEtn, P</i>)	
GB5		1213.1	3642.3	3641.8	HexNAC ₁ •Hex ₃ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (<i>PEtn, P</i>)	B
		1232.0	3699.0	3698.9	Gly•HexNAC ₁ •Hex ₃ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (<i>PEtn, P</i>)	
		1254.5	3766.5	3764.9	HexNAC ₁ •Hex ₃ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (<i>PEtn, PEtn</i>)	
		1273.2	3822.6	3821.9	Gly•HexNAC ₁ •Hex ₃ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (<i>PEtn, PEtn</i>)	
GB30		1391.3	4176.9	4178.2	Ac•Neu5Ac ₁ •HexNAC ₁ •Hex ₃ •Hep ₂ •P ₁ •PEtn ₁ •KDO ₂ •lipid A (<i>PEtn, PEtn</i>)	B

	1116.2	1488.5	4468.7	4469.4	Ac•Neu5Ac ₂ •HexNAc ₁ •Hex ₃ •Hep ₂ •P ₁ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, PPEtn)	
		1507.0	4524.0	4526.5	Gly•Ac•Neu5Ac ₂ •HexNAc ₁ •Hex ₃ •Hep ₂ •P ₁ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, PPEtn)	
	1146.9	1529.4	4591.4	4492.5	Ac•Neu5Ac ₂ •HexNAc ₁ •Hex ₃ •Hep ₂ •P ₁ •PEtn ₂ •KDO ₂ •lipid A (PPEtn, PPEtn)	
GB24		1428.6	4288.8	4290.4	Hex ₇ •HexNAc ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, P)	K
		1447.1	4344.3	4347.4	Gly•Hex ₇ •HexNAc ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, P)	
		1469.7	4412.1	4413.4	Hex ₇ •HexNAc ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, PPEtn)	
		1488.1	4467.3	4470.5	Gly•Hex ₇ •HexNAc ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, PPEtn)	
MF8		1242.1	3729.3	3729.9	Neu5Ac ₁ •Hex ₃ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, P)	B
		1283.1	3852.3	3853.0	Neu5Ac ₁ •Hex ₃ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, PPEtn)	
		1310.0	3933.0	3933.1	Neu5Ac ₁ •Hex ₃ •HexNAc ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, P)	
		1339.1	4020.3	4021.2	Neu5Ac ₂ •Hex ₃ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, P)	
		1351.1	4056.3	4056.1	Neu5Ac ₁ •Hex ₃ •HexNAc ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, PPEtn)	
		1380.4	4144.2	4144.2	Neu5Ac ₂ •Hex ₃ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, PPEtn)	
GB13, GB14, 19, 49, 71, 109, 110		1418.4	4258.2	4257.4	Neu5Ac ₁ •Hex ₅ •HexNAc ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, P)	C
	1104.0	1472.4	4420.1	4419.5	Neu5Ac ₁ •Hex ₆ •HexNAc ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, P)	
		1491.3	4476.9	4476.6	Gly•Neu5Ac ₁ •Hex ₆ •HexNAc ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, P)	
	1134.8	1513.2	4542.9	4542.6	Neu5Ac ₁ •Hex ₆ •HexNAc ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, PPEtn)	
		1532.4	4600.2	4599.6	Gly•Neu5Ac ₁ •Hex ₆ •HexNAc ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, PPEtn)	
3		1381.9	4148.7		Unknown, no sialic acid	D
		1423.4	4273.2		Unknown, no sialic acid	
6		1310.0	3933.0	3933.1	Neu5Ac ₁ •Hex ₃ •HexNAc ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, P)	A

		1351.5	4057.5	4056.1	Neu5Ac ₁ •Hex ₃ •HexNac ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, PPEtn)	
8		1449.9	4352.7		Unknown, no sialic acid	E
		1468.5	4408.5		Unknown, with glycine, no sialic acid	
		1491.0	4476.0		Unknown, no sialic acid	
		1510.3	4533.9		Unknown, with glycine, no sialic acid	
21	1032.1	1376.3	4132.2	4134.3	Neu5Ac ₁ •Hex ₅ •HexNac ₁ •Hep ₂ •KDO ₂ •lipid A (PPEtn, P)	C
	1046.1		4188.4	4191.4	Gly•Neu5Ac ₁ •Hex ₅ •HexNac ₁ •Hep ₂ •KDO ₂ •lipid A (PPEtn, P)	
	1063.6	1418.2	4258.0	4257.4	Neu5Ac ₁ •Hex ₅ •HexNac ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, P)	
	1077.9	1437.3	4315.3	4314.4	Gly•Neu5Ac ₁ •Hex ₅ •HexNac ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, P)	
	1094.5	1459.4	4381.6	4380.4	Neu5Ac ₁ •Hex ₅ •HexNac ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, PPEtn)	
	1108.6	1478.3	4438.2	4437.5	Gly•Neu5Ac ₁ •Hex ₅ •HexNac ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, PPEtn)	
39		1433.3	4302.9	4304.3	Neu5Ac ₂ •Hex ₃ •HexNac ₁ •Hep ₂ •P ₁ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, P)	-
		1474.8	4427.4	4427.4	Neu5Ac ₂ •Hex ₃ •HexNac ₁ •Hep ₂ •P ₁ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, PPEtn)	
		1493.8	4484.4	4484.4	Gly•Neu5Ac ₂ •Hex ₃ •HexNac ₁ •Hep ₂ •P ₁ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, PPEtn)	
GB23, 118		1159.3	3480.9	3479.7	Hex ₂ •HexNac ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, P)	A
	942.0	1256.2	3771.1	3771.0	Neu5Ac ₁ •Hex ₂ •HexNac ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, P)	
		1275.2	3828.6	3828.0	Gly•Neu5Ac ₁ •Hex ₂ •HexNac ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, P)	
	972.5	1297.2	3894.6	3894.0	Neu5Ac ₁ •Hex ₂ •HexNac ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, PPEtn)	
	987.0	1316.2	3951.8	3951.1	Gly•Neu5Ac ₁ •Hex ₂ •HexNac ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, PPEtn)	
GB25, 18, 94, 127, 129	1023.0	1364.2	4095.8	4095.2	Neu5Ac ₁ •Hex ₄ •HexNac ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, P)	B
		1054.0	1405.3	4217.5	4218.3	

	1095.8	1461.3	4587.1	4386.5	Neu5Ac ₂ •Hex ₄ •HexNac ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, P)	
	1110.4	1480.9	4445.7	4443.5	Gly•Neu5Ac ₂ •Hex ₄ •HexNac ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, P)	
	1126.7	1502.8	4511.1	4509.5	Neu5Ac ₂ •Hex ₄ •HexNac ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, PPEtn)	
	1140.8	1521.8	4567.8	4566.6	Gly•Neu5Ac ₂ •Hex ₄ •HexNac ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, PPEtn)	
GB15	960.0	1280.1	3843.7	3843.1	Hex ₅ •HexNac ₁ •Hep ₂ •KDO ₂ •lipid A (PPEtn, P)	F
		1299.3	3900.9	3900.1	Gly•Hex ₅ •HexNac ₁ •Hep ₂ •KDO ₂ •lipid A (PPEtn, P)	
		1321.3	3966.9	3966.1	Hex ₅ •HexNac ₁ •Hep ₂ •KDO ₂ •lipid A (PPEtn, PPEtn)	
		1340.1	4023.3	4023.2	Gly•Hex ₅ •HexNac ₁ •Hep ₂ •KDO ₂ •lipid A (PPEtn, PPEtn)	
GB2, GB3, GB11, GB18, GB21, GB22, GB31, 9, 12, 13, 23, 31, 41	982.3	1310.1	3933.3	3933.1	Neu5Ac ₁ •Hex ₃ •HexNac ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, P)	A
		1350.9	4055.7	4056.1	Neu5Ac ₁ •Hex ₃ •HexNac ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, PPEtn)	
	1055.3	1406.9	4224.5	4224.4	Neu5Ac ₂ •Hex ₃ •HexNac ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, P)	
	1085.8	1448.0	4377.1	4347.4	Neu5Ac ₂ •Hex ₃ •HexNac ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, PPEtn)	
		1467.1	4404.3	4404.5	Gly•Neu5Ac ₂ •Hex ₃ •HexNac ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, PPEtn)	
GB29	982.3	1310.2	3933.4	3933.1	Neu5Ac ₁ •Hex ₃ •HexNac ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, P)	C
		1351.4	4057.2	4056.1	Neu5Ac ₁ •Hex ₃ •HexNac ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, PPEtn)	
	1055.1	1407.5	4224.9	4224.4	Neu5Ac ₂ •Hex ₃ •HexNac ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, P)	
	1086.1	1448.4	4348.3	4347.4	Neu5Ac ₂ •Hex ₃ •HexNac ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, PPEtn)	
GB16, GB19	1095.9	1461.4	4387.4	4386.5	Neu5Ac ₂ •Hex ₄ •HexNac ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, P)	A
	1106.3	1475.6	4429.5	4428.5	Ac•Neu5Ac ₂ •Hex ₄ •HexNac ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, P)	
	1110.0	1480.9	4444.8	4443.5	Gly•Neu5Ac ₂ •Hex ₄ •HexNac ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, P)	
	1126.6	1502.6	4511.1	4509.5	Neu5Ac ₂ •Hex ₄ •HexNac ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, PPEtn)	

	1140.8	1521.3	4567.8	4566.6	Gly•Neu5Ac ₂ •Hex ₄ •HexNAc ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, PPEtn)	
52		1350.5	4054.5	4054.2	Neu5Ac ₁ •Hex ₅ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, P)	AC
		1391.5	4177.5	4177.2	Neu5Ac ₁ •Hex ₅ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, PPEtn)	
78		1465.2	4398.6		Unknown, no sialic acid	E
		1505.8	4520.4		Unknown, no sialic acid	
84	1088.8	1451.5	4358.4		Unknown, no sialic acid	-
		1492.1	4479.3		Unknown, no sialic acid	
81		1334.3	4005.9	4005.2	Hex ₆ •Hep ₂ •HexNAc ₁ •KDO ₂ •lipid A (PPEtn, P)	D
	1051.3	1401.9	4208.9	4208.4	HexNAc ₂ •Hex ₆ •Hep ₂ •KDO ₂ •lipid A (PPEtn, P)	
		1420.3	4263.9	4265.5	Gly•HexNAc ₂ •Hex ₆ •Hep ₂ •KDO ₂ •lipid A (PPEtn, P)	
	1081.7	1443.1	4331.6	4331.5	HexNAc ₂ •Hex ₆ •Hep ₂ •KDO ₂ •lipid A (PPEtn, PPEtn)	
		1461.5	4387.5	4388.5	Gly•HexNAc ₂ •Hex ₆ •Hep ₂ •KDO ₂ •lipid A (PPEtn, PPEtn)	
133	1015.2	1353.4	4064.0	4063.2	Ac•Neu5Ac ₂ •Hex ₃ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, P)	B
	1045.9	1394.7	4187.4	4186.2	Ac•Neu5Ac ₂ •Hex ₃ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, PPEtn)	
	1066.0	1421.6	4267.9	4266.4	Ac•Neu5Ac ₂ •Hex ₃ •HexNAc ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, P)	
	1096.5	1462.2	4389.8	4389.4	Ac•Neu5Ac ₂ •Hex ₃ •HexNAc ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, PPEtn)	
103		1390.9	4175.7	4175.2	Neu5Ac ₁ •Hex ₄ •HexNAc ₁ •Hep ₂ •P ₁ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, P)	BE
		1431.8	4298.4	4298.3	Neu5Ac ₁ •Hex ₄ •HexNAc ₁ •Hep ₂ •P ₁ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, PPEtn)	
62	1064.9	1420.5	4264.1		Unknown, no sialic acid	E
	1079.3	1439.3	4321.1		Unknown, with glycine, no sialic acid	
	1095.9	1461.6	4387.7		Unknown, no sialic acid	

63, 93, 122	1063.8	1418.6	4259.0	4257.4	Neu5Ac ₁ •Hex ₅ •HexNac ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, P)	C
		1437.3	4314.9	4314.4	Gly•Neu5Ac ₁ •Hex ₅ •HexNac ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, P)	
	1094.7	1459.1	4381.5	4380.4	Neu5Ac ₁ •Hex ₅ •HexNac ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, PPEtn)	
	1108.8	1478.6	4439.0	4437.5	Gly•Neu5Ac ₁ •Hex ₅ •HexNac ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, PPEtn)	
64	1023.1	1364.1	4095.9	4095.2	Neu5Ac ₁ •Hex ₄ •HexNac ₁ •Hep ₂ •KDO ₂ •lipid A (PPEtn, PPEtn)	B
	1073.5	1432.1	4298.7	4298.4	Neu5Ac ₁ •Hex ₄ •HexNac ₂ •Hep ₂ •KDO ₂ •lipid A (PPEtn, PPEtn)	
	1088.1	1451.2	4356.5	4355.5	Gly•Neu5Ac ₁ •Hex ₄ •HexNac ₂ •Hep ₂ •KDO ₂ •lipid A (PPEtn, PPEtn)	
	1104.5	1472.9	4421.9	4421.6	Neu5Ac ₁ •Hex ₄ •HexNac ₂ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, PPEtn)	
	1118.7	1492.5	4479.2	4478.6	Gly•Neu5Ac ₁ •Hex ₄ •HexNac ₂ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, PPEtn)	
37	1043.1	1391.3	4176.7		Unknown, no sialic acid	E
	1074.0	1431.9	4299.4		Unknown, no sialic acid	
44	1063.3	1418.1	4257.3	4257.4	Neu5Ac ₁ •Hex ₅ •HexNac ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, P)	C
		1437.0	4314.0	4314.4	Gly•Neu5Ac ₁ •Hex ₅ •HexNac ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, P)	
	1094.0	1459.1	4380.3	4380.4	Neu5Ac ₁ •Hex ₅ •HexNac ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, PPEtn)	
		1487.0	4437.0	4437.5	Gly•Neu5Ac ₁ •Hex ₅ •HexNac ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, PPEtn)	
47	1085.1	1446.9	4344.1		Unknown, no sialic acid	E
	1099.4	1465.6	4400.7		Unknown, with glycine, no sialic acid	
	1115.6	1487.9	4466.6		Unknown, no sialic acid	
	1130.4	1506.9	4524.7		Unknown, with glycine, no sialic acid	
105, 115, 121	1026.1	1368.4	4108.3		Unknown, no sialic acid	D
		1409.4	4231.2		Unknown, no sialic acid	

95	1041.2	1388.5	4168.7	4169.3	Hex ₅ •HexNAC ₂ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (<i>PP</i> Etn, <i>P</i>)	D
		1407.5	4225.5	4226.4	Gly•Hex ₅ •HexNAC ₂ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (<i>PP</i> Etn, <i>P</i>)	
	1072.0	1429.3	4291.5	4292.4	Hex ₅ •HexNAC ₂ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (<i>PP</i> Etn, <i>PP</i> Etn)	
	1086.2	1448.2	4348.2	4349.4	Gly•Hex ₅ •HexNAC ₂ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (<i>PP</i> Etn, <i>PP</i> Etn)	
96	1032.1	1377.2	4133.5	4134.3	Neu5Ac ₁ •Hex ₅ •HexNAC ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (<i>P</i> , <i>P</i>)	CD
		1396.3	4191.9	4191.4	Gly•Neu5Ac ₁ •Hex ₅ •HexNAC ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (<i>P</i> , <i>P</i>)	
	1073.3	1431.2	4296.9	4296.5	Neu5Ac ₁ •Hex ₆ •HexNAC ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (<i>P</i> , <i>P</i>)	
		1450.3	4353.9	4353.5	Gly•Neu5Ac ₁ •Hex ₆ •HexNAC ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (<i>P</i> , <i>P</i>)	
	1103.7	1472.1	4419.1	4419.5	Neu5Ac ₁ •Hex ₆ •HexNAC ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (<i>PP</i> Etn, <i>P</i>)	
		1491.2	4476.6	4476.6	Gly•Neu5Ac ₁ •Hex ₆ •HexNAC ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (<i>PP</i> Etn, <i>P</i>)	
	1134.4	1513.3	4542.3	4542.6	Neu5Ac ₁ •Hex ₆ •HexNAC ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (<i>PP</i> Etn, <i>PP</i> Etn)	
97		1226.8	3683.4		Unknown, no sialic acid	-
		1267.8	3806.4		Unknown, no sialic acid	
		1389.3	4170.9		Unknown, no sialic acid	
		1443.4	4333.2		Unknown, no sialic acid	
		1497.2	4494.6		Unknown, no sialic acid	
		1551.1	4656.3		Unknown, no sialic acid	
		1570.3	4713.9		Unknown, with glycine, no sialic acid	
		1592.0	4779.0		Unknown, no sialic acid	
98	1063.5	1418.2	4257.8	4257.4	Neu5Ac ₁ •Hex ₅ •HexNAC ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (<i>PP</i> Etn, <i>P</i>)	CD

		1437.2	4314.6	4314.4	Gly•Neu5Ac ₁ •Hex ₅ •HexNAc ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, P)	
	1094.4	1459.3	4381.3	4380.4	Neu5Ac ₁ •Hex ₅ •HexNAc ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, PPEtn)	
	1103.9	1472.2	4419.6	4419.5	Neu5Ac ₁ •Hex ₆ •HexNAc ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, P)	
	1134.6	1513.2	4542.5	4542.6	Neu5Ac ₁ •Hex ₆ •HexNAc ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, PPEtn)	
		1532.2	4599.6	4599.6	Gly•Neu5Ac ₁ •Hex ₆ •HexNAc ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, PPEtn)	
107	959.9	1280.2	3843.6	3842.7	Hex ₅ •HexNAc ₁ •Hep ₂ •KDO ₂ •lipid A (PPEtn, P)	D
		1299.3	3900.9	3900.1	Gly•Hex ₅ •HexNAc ₁ •Hep ₂ •KDO ₂ •lipid A (PPEtn, P)	
	991.0	1321.2	3967.3	3966.1	Hex ₅ •HexNAc ₁ •Hep ₂ •KDO ₂ •lipid A (PPEtn, PPEtn)	
	1005.1	1340.2	4024.0	4023.2	Gly•Hex ₅ •HexNAc ₁ •Hep ₂ •KDO ₂ •lipid A (PPEtn, PPEtn)	
	1051.3	1401.9	4208.9	4208.4	Hex ₆ •HexNAc ₂ •Hep ₂ •KDO ₂ •lipid A (PPEtn, P)	
		1420.9	4265.7	4265.4	Gly•Hex ₆ •HexNAc ₂ •Hep ₂ •KDO ₂ •lipid A (PPEtn, P)	
	1082.3	1443.0	4332.6	4331.1	Hex ₆ •HexNAc ₂ •Hep ₂ •KDO ₂ •lipid A (PPEtn, PPEtn)	
	1096.4	1462.0	4389.3	4388.1	Gly•Hex ₆ •HexNAc ₂ •Hep ₂ •KDO ₂ •lipid A (PPEtn, PPEtn)	
114		1428.5	4288.5	4288.4	Hex ₆ •HexNAc ₂ •Hep ₂ •P ₁ •KDO ₂ •lipid A (PPEtn, P)	D
		1469.2	4410.6	4411.4	Hex ₆ •HexNAc ₂ •Hep ₂ •P ₁ •KDO ₂ •lipid A (PPEtn, PPEtn)	
116	1013.0	1350.6	4055.4	4054.2	Neu5Ac ₁ •Hex ₅ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, P)	C
	1044.1	1391.6	4179.1	4177.2	Neu5Ac ₁ •Hex ₅ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, PPEtn)	
128		1145.4	3439.2	3438.6	Hex ₃ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, P)	C
		1186.5	3562.5	3561.7	Hex ₃ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, PPEtn)	
		1199.1	3600.3	3600.8	Hex ₄ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, P)	
		1240.2	3723.6	3723.8	Hex ₄ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (PPEtn, PPEtn)	

131		1428.9	4289.7	4288.4	Hex ₆ •HexNAC ₂ •Hep ₂ •P ₁ •KDO ₂ •lipid A (<i>PEtn, P</i>)	A
		1469.7	4412.1	4411.4	Hex ₆ •HexNAC ₁ •Hep ₂ •P ₁ •KDO ₂ •lipid A (<i>PEtn, PPEtn</i>)	
GB17, 14, 51	1023.1	1364.0	4095.7	4095.2	Neu5Ac ₁ •Hex ₄ •HexNAC ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (<i>PPEtn, P</i>)	B
	1053.6	1405.3	4218.7	4218.3	Neu5Ac ₁ •Hex ₄ •HexNAC ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (<i>PPEtn, PPEtn</i>)	
		1461.6	4387.8	4386.5	Neu5Ac ₂ •Hex ₄ •HexNAC ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (<i>PPEtn, P</i>)	
	1106.3	1475.4	4429.2	4428.5	Ac•Neu5Ac ₂ •Hex ₄ •HexNAC ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (<i>PPEtn, P</i>)	
		1494.3	4485.9	4485.6	Gly•Ac•Neu5Ac ₂ •Hex ₄ •HexNAC ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (<i>PPEtn, P</i>)	
		1502.8	4511.4	4509.5	Neu5Ac ₂ •Hex ₄ •HexNAC ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (<i>PPEtn, PPEtn</i>)	
	1136.9	1516.1	4551.5	4551.6	Ac•Neu5Ac ₂ •Hex ₄ •HexNAC ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (<i>PPEtn, PPEtn</i>)	
	1535.0	4608.0	4608.6	Gly•Ac•Neu5Ac ₂ •Hex ₄ •HexNAC ₁ •Hep ₂ •PEtn ₁ •KDO ₂ •lipid A (<i>PPEtn, PPEtn</i>)		

* Isotope-averaged mass units were used for calculation of molecular mass values based on proposed compositions as follows: Hex, 162.14; HexNAC, 203.19; Hep, 192.17; KDO, 220.18; *P*, 79.98; *PEtn*, 123.05; Neu5Ac, 291.26; Gly, 57.05; Ac, 42.03; HexN, 161.07; HexN3N, 160.18; C14:0(3-OH), 226.36; C14:0, 210.41; C16:0, 238.41.