Glycobiology, 2017, vol. 27, no. 3, 275–277
doi: 10.1093/glycob/cww107
Advance Access Publication Date: 15 September 2016
Erratum

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Chemical characterization and immunomodulatory properties of polysaccharides isolated from probiotic *Lactobacillus casei* LOCK 0919

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Glycobiology (2016) doi: 10.1093/glycob/cww047

After publication of this article (Górska et al. 2016), we noticed that the original version, unfortunately, contained mistakes. We inadvertently inserted the wrong spectra for Figures 1, 3 and 4 and an incorrect version of Table II. Correct versions are provided below. In addition, in the Results (NMR analysis of L919/B) section of the above-mentioned article, after the statement "The structure of the pentasaccharide repeating unit of L919/B, as determined herein, is shown in Figure 4." we erroneously omitted the following statement: "This structure is virtually identical to that of the polysaccharide L900/3 isolated from *L. rhamnosus* LOCK 0900 (Górska et al. 2014)."

We apologize for the oversight and possible misunderstanding.

References

Górska S, Schwarzer M, Jachymek W, Srutkova D, Brzozowska E, Kozakova H, Gamian A. 2014. Distinct immunomodulation of bone marrow derived dendritic cell responses to Lactobacillus plantarum WCFS1 by two different polysaccharides isolated from *Lactobacillus rhamnosus* LOCK 0900. *Appl Environ Microbiol*. 80:6506–6516.

Górska S, Hermanova P, Ciekot J, Schwarzer M, Srutkova D, Brzozowska E, Kozakova H, Gamian A. 2016. Chemical characterization and immunomodulatory properties of polysaccharides isolated from probiotic *Lactobacillus casei* LOCK 0919. *Glycobiology*. doi:10.1093/glycob/cww047.

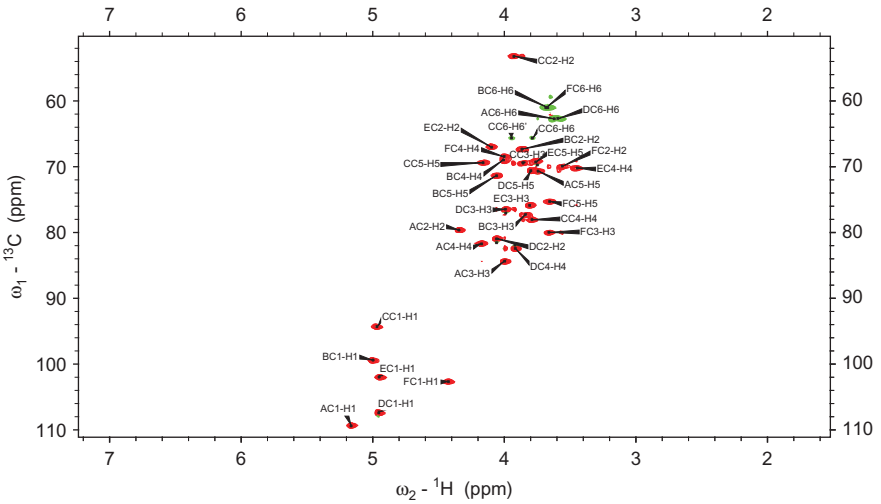

Fig. 1. Selected parts of the ^{1}H-^{13}C HSQC nuclear magnetic resonance (NMR) spectrum of L919/A. This figure is available in black and white in print and in color at *Glycobiology* online.

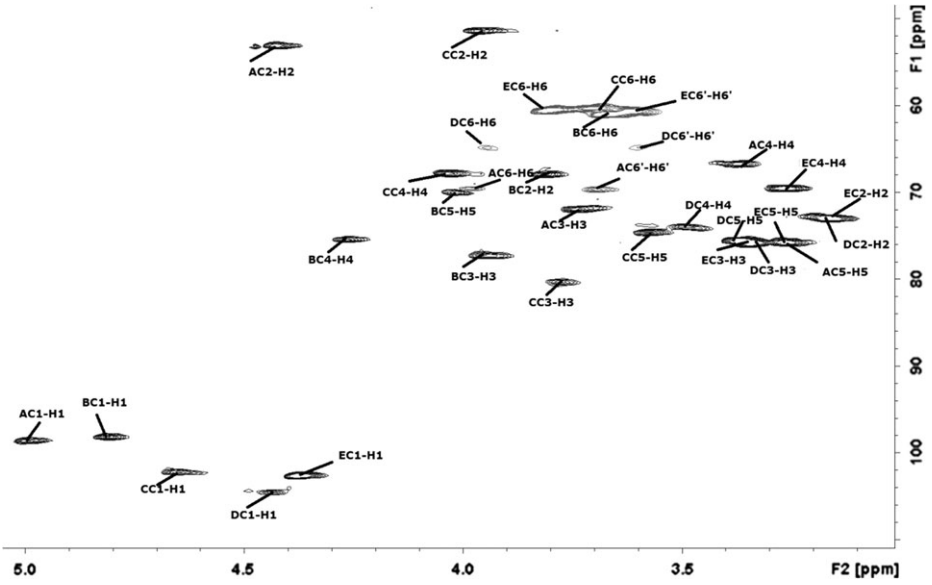

Fig. 3. Selected parts of the ^{1}H-^{13}C HSQC nuclear magnetic resonance (NMR) spectrum of L919/B.

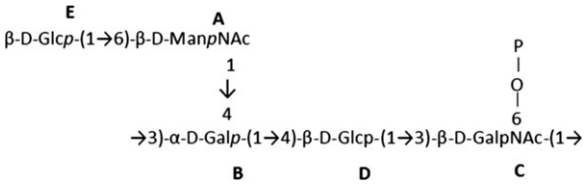

Fig 4. The structure of the pentasaccharide repeating unit of L919/B.

Table II. ^{1}H and ^{13}C NMR chemical shifts and selected inter-residue connectivities obtained for the anomeric protons of L919/B from *Lactobacillus casei* LOCK 0919

	Sugar residue	Chemical shifts ^{1}H, ^{13}C (ppm)							
		H1 C1	H2 C2	H3 C3	H4 C4	H5 C5	H6 C6	H6′	CH_3CO
A	→6)-β-D-Man*p*NA*c*-(1→	5.019	4.432	3.74 4	3.458	3.261	4.010	3.725	1.932
		98.61	53.02	71.76	66.83	75.62	69.41		22.10
B	→3,4)-α-D-Gal*p*-(1→	4.809	3.802	3.954	4.257	4.063	3.682		
		98.22	67.86	77.39	75.55	69.91	61.03		
C	→3)-β-D-Gal*p*NA*c*-(1→	4.651	3.974	3.768	4.021	3.561	3.704		1.947
		103.34	51.51	80.34	67.88	74.68	60.31		21.91
D	→4,6)-β-D-Glc*p*-(1→	4.456	3.285	3.362	3.519	3.388	3.952	3.651	
		104.61	72.78	75.68	73.80	75.31	64.80		
E	β-D-Glc*p*-(1→	4.372	3.261	3.374	3.270	3.377	3.628	3.801	
		102.51	72.90	75.52	69.24	75.88	60.61		
	P 2.6 ppm								

Selected inter-residue NOESY and $^{3}J_{H,C}$ (HMBC) connectivities from the anomeric protons of the isolated

	Sugar residue	H-1 δ_H (ppm)	Connectivity δ_H (ppm)	Inter-residue atom/residue	Connectivity δ_C (ppm)	Inter-residue atom/ residue
A	→6)-β-D-Man*p*NA*c*-(1→	5.019	4.257	H-4 of B	75.55	C-4 of B
					53.02	C-2 of A
B	→3,4)-α-D-Gal*p*-(1→	4.809	3.519	H-4 of D	69.91	C-5 of B
			4.063	H-5 of B		
			3.682	H-6 of B		
C	→3)-β-D-Gal*p*NA*c*-(1→	4.651	3.954	H-3 of B	77.39	C-3 of B
D	→4,6)-β-D-Glc*p*-(1→	4.456	3.768	H-3 of C	80.34	C-3 of C
E	β-D-Glc*p*-(1→	4.372	4.010, 3.722	H-6 of A	69.41	C-6 of A
	P				64.80	C-6 of D

Spectra were obtained for $^{2}H_2O$ solutions at 25°C, and acetone (δ_H 2.225, δ_C 31.05 ppm) was used as an internal reference.