**Table S1.** Chemical shifts (1H and 13C) for the lithium-degraded polysaccharide obtained from EPS.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Unit** | **Signal** | **1** | **2** | **3** | **4** | **5** | **6a** | **6b** |
| A | 1H | 4.5 | 3.4 | 3.5 | 3.7 | 3.6 | n.a **a** | n.a |
| →4)-β-d-Glc*p* | 13C | 103.1 | 73.5 | 76.2 | 79.3 | 75.3 | n.a |  |
| B | 1H | 4.51 | 3.34 | 3.46 | 3.42 | 3.78 | 4.29 | 3.94 |
| →6)-β-d-Glc*p* | 13C | 103.2 | 73.6 | 76.3 | 70.3 | n.a | 68.7 |  |
| C | 1H | 4.54 | 3.34 | 3.51 | 3.50 | 3.62 | 4.19 | 3.89 |
| →6)-β-d-Glc*p* | 13C | 103.2 | 73.6 | 76.1 | 70.1 | 75.3 | 69.2 |  |
| D | 1H | 4.55 | 3.38 | 3.79 | 3.76 | n.a | n.a | n.a |
| →4)-β-d-Glc*p* | 13C | 102.8 | 73.5 | 74.1 | 78.7 | n.a | n.a |  |
| E | 1H | 4.71 | 3.43 | 3.67 | 3.67 | 3.60 | 3.97 | 3.83 |
| →4)-β-d-Glc*p* | 13C | 103.9 | 73.6 | 74.8 | 79.2 | 75.1 | 60.6 |  |
| F | 1H | 4.53 | 3.72 | 3.83 | 4.17 | 3.73 **b** | 3.78 | 3.78 |
| →3)-β-d-Gal*p* | 13C | 103.0 | 70.6 | 82.4 | 68.8 | 75.4b | 61.4 |  |

**a** Not assigned.

**b** Assignment based on literature data.