**Three semi-synthetic approaches to a set of curdlan sulfate polysaccharides with different sulfation patterns**

**Supporting Information**

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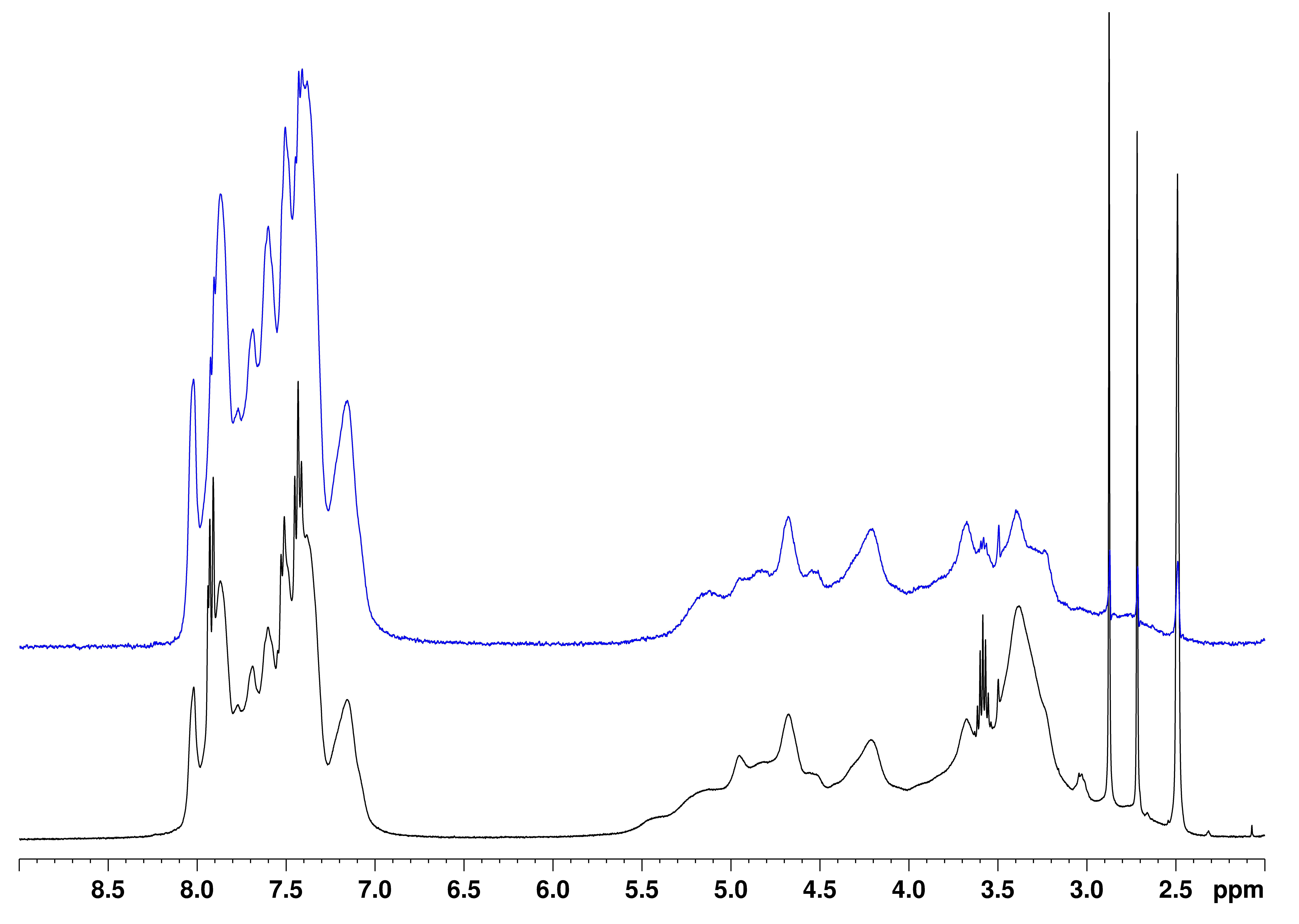
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Figure S1: 1H-NMR (in black) and 1D-DOSY NMR (in blue) spectra (400 MHz, 298K, DMSO-*d6*) of **1**

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Figure S2: 1H- and 1H,13C-DEPT-HSQC NMR spectra (400 MHz, 298K, D2O) of **CS-5** with assignment of the main signals (G6S = 6-O-sulfated-Glc, G4,6S = 4,6-di-O-sulfated-Glc, G2,4,6S = 2,4,6-tri-O-sulfated-Glc; DEPT-HSQC signals enclosed in grey circles were integrated for DS-2 and DS-4 measurement)

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Figure S3: 1H- and COSY NMR spectra (400 MHz, 298K, D2O) of **CS-5** with assignment of the H-1/H-2 cross-peaks (G6S = 6-O-sulfated-Glc, G4,6S = 4,6-di-O-sulfated-Glc, G2,4,6S = 2,4,6-tri-O-sulfated-Glc)

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Figure S4: 1H- and COSY NMR spectra (400 MHz, 298K, D2O) of **CS-9** with assignment of the H-1/H-2 cross-peaks (G2S = 2-O-sulfated-Glc, G4S = 4-O-sulfated-Glc, G2,4S = 2,4-di-O-sulfated-Glc)

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Figure S5: 1H- and 1H,13C-DEPT-HSQC NMR spectra (600 MHz, 298K, D2O) of **CS-10** with assignment of the main signals (G = Glc, G2S = 2-O-sulfated-Glc, G2,4S = 2,4-di-O-sulfated-Glc; DEPT-HSQC signals enclosed in grey circles were integrated for DS-2 and DS-4 measurement)

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Figure S6: 1H- and COSY NMR spectra (600 MHz, 298K, D2O) of **CS-10** with assignment of the H-1/H-2 cross-peaks (G = Glc, G2S = 2-O-sulfated-Glc, G2,4S = 2,4-di-O-sulfated-Glc)

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Figure S7: 1H- and 1H,13C-DEPT-HSQC NMR spectra (600 MHz, 298K, D2O) of **CS-11** with assignment of the main signals (G6S = 6-O-sulfated-Glc, G4,6S = 4,6-di-O-sulfated-Glc; G2,4,6S = 2,4,6-tri-O-sulfated-Glc; DEPT-HSQC signals enclosed in grey circles were integrated for DS-2 and DS-4 measurement)

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Figure S8: 1H- and 1H,13C-DEPT-HSQC NMR spectra (400 MHz, 298K, D2O) of **CS-12** with assignment of the main signals (G4S = 4-O-sulfated-Glc, G4,6S = 4,6-di-O-sulfated-Glc, G2,4,6S = 2,4,6-tri-O-sulfated-Glc; DEPT-HSQC signals enclosed in grey circles were integrated for DS-2 and DS-6 measurement)