Supplementary material

Response Mechanism of Extracellular Polymers in the Remediation of Chromium Pollution by Carbonate Mineralizing Bacteria

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Fig.S1. Standard curves for Glucose.



Fig.S2. Standard curves for Protein.

GC-MS

The GC chromatogram of EPS is displayed in Figures S3-S7, with peaks 1-7 designated as follows:

(1) β-L-l,2,3,4-tetrakis-O-(trimethylsilyl)-Arabinpyranose.

- (2) β-D-l,2,3,5,6-pentakis-O-(trimethylsilyl)-Galactofuranose.
- (3) α-D-methyl-2,3,4,6-tetrakis-O-(trimethylsilyl)-Glucopyranoside.
- (4) α-D-1,2,3,4,6-pentakis-O-(trimethylsilyl)-Mannopyranoside.
- (5) β-D- methyl-2,3,4,6-tetrakis-O-(trimethylsilyl)-Galactopyranoside.
- (6) α -D-1,2,3,4,6-pentakis-O-(trimethylsilyl)-Galactopyranoside.
- (7) Myo-Inositol-6TMS.

Glycosyl residue	At(%)				
	0Cr	500Cr	1000Cr	1500Cr	3000Cr
Mannose(Man)	19.50	26.88	39.17	46.64	46.15
Galactose(Gal)	64.48	50.68	40.61	31.32	32.81
Glucose(Glc)	13.37	18.00	12.81	11.46	11.66
Arabinose(Ara)	2.65	4.44	7.40	10.58	9.38

Table S1 Classification of monose in EPS











Fig. S7. GC chromatogram obtained for sample 3000Cr