

"Sustainable and Innovative Electrochemical Approach for Quantifying Glycine Betaine in Bacterial Cultures"

Electronic Supporting Information (ESI)

Table S1: Elemental analysis data of the GB-PTA ion association complex

Element analysis	GB-PTA					
	%H	%C	%O	%N	%P	%W
Found	5.43	25.43	30.56	5.91	4.69	27.98
Calculated	5.42	25.42	30.57	5.92	4.71	27.95
Formula	[C ₅ H ₁₂ NO ₂ ⁺][H ₂ O ₇ PW ⁻]					

Table S2: Optimization of the conditioning (soaking) time for the GB-CG sensor

Conditioning time (h)	GB-CG sensor	
	Slope (mV/ decade)	Correlation coefficient (r ²)
0	-50.53	0.9841
1	-53.85	0.9921
2	-57.45	0.9996
3	-56.37	0.9994
5	-55.75	0.9991
7	-53.79	0.9982
9	-52.22	0.9969
10	-50.75	0.9923

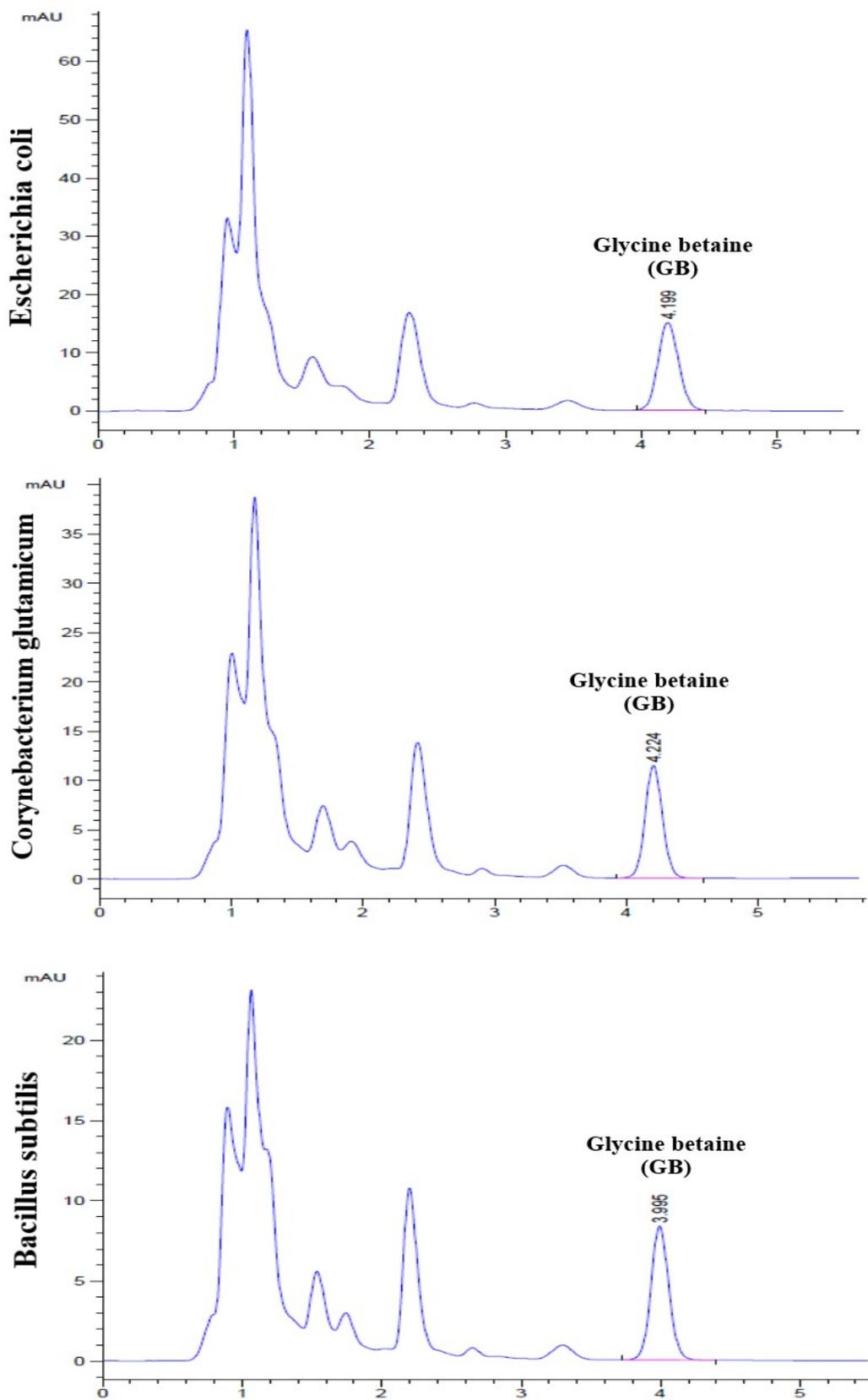


Figure S1: Chromatographic analysis of the bacterial samples.