

Table S1. Closest species, by 16S rRNA gene similarity, of EPS-producing bacteria isolated from traditional soybean fermented pastes


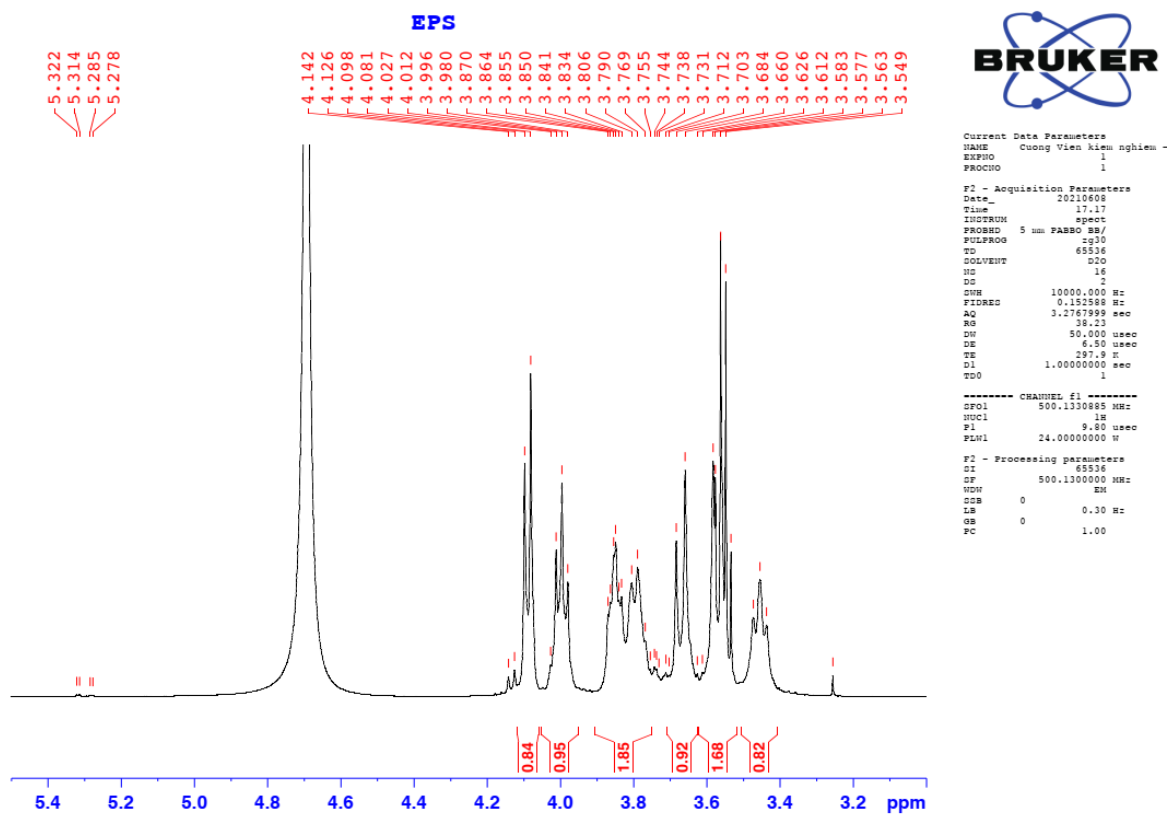
Isolate	Closest bacteria in database	Identification	Similarities (%)
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VTX22	<i>Bacillus subtilis</i> IAM 12118	<i>Bacillus subtilis</i>	99.88
VTX25	<i>Paracoccus aerius</i> 011410	<i>Paracoccus aerius</i>	99.89
VTX6	<i>Variovorax paradoxus</i> NBRC 15149	<i>Variovorax paradoxus</i>	99.55
VTX20	<i>Bacillus velezensis</i> FZB42	<i>Bacillus velezensis</i>	98.3
VTX18	<i>Bacillus licheniformis</i> DSM	<i>Bacillus licheniformis</i>	99.68
VCN28	<i>Enterococcus avium</i> ATCC 14025	<i>Enterococcus avium</i>	100

Table S2. Genomic feature of the strain VTX20

Features	Chromosome
Genome size (bp)	3,891,321
G + C content (%)	46.1
Genes (total)	3,834
CDSs (coding)	3,670
rRNAs	27
tRNAs	86
ncRNAs	5
Pseudogenes	46
CRISPR	1
GenBank accession number	CP075054

**Figure S1.** ^1H NMR of the dialyzed EPS from *B. velezensis* VTX20

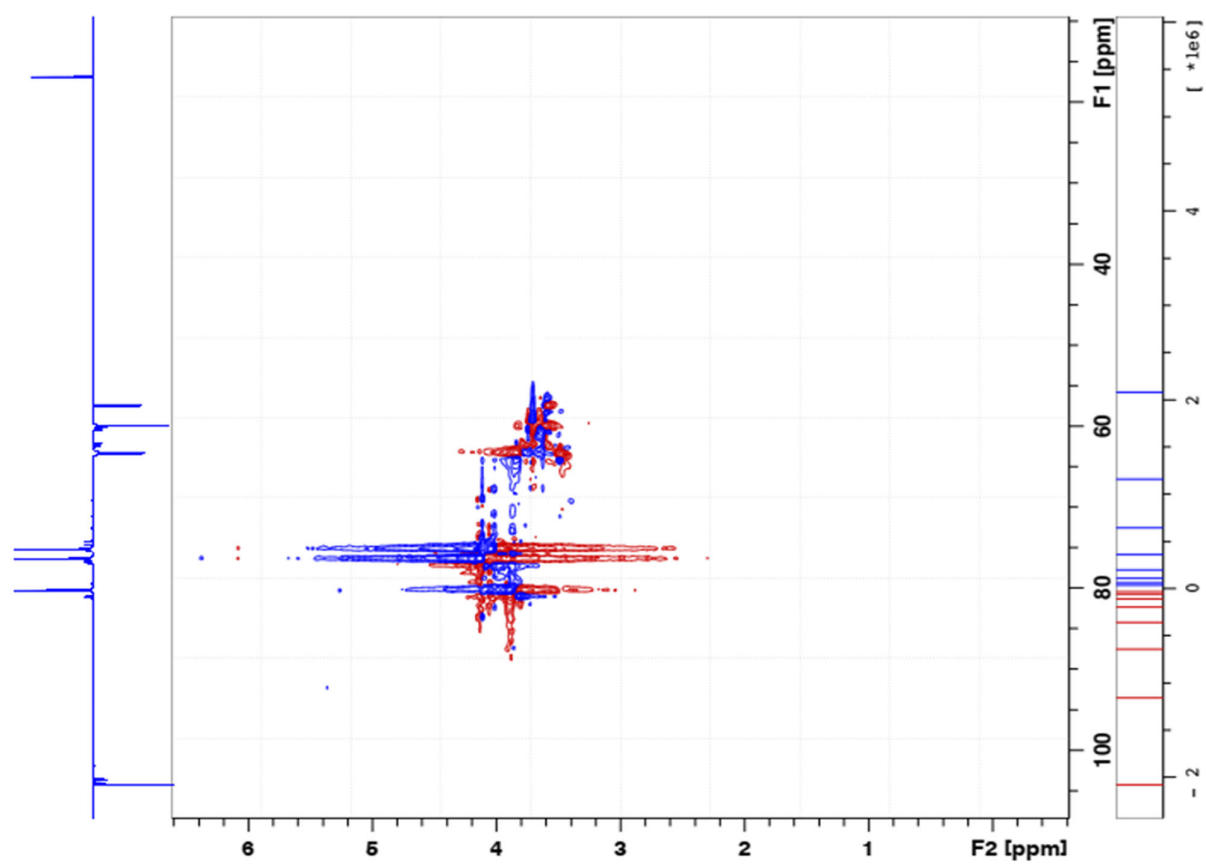


Figure S2. ^{13}C HMBC spectrum of the dialyzed EPS