

Supplementary information

**Cyclo(L-Pro–L-Leu) of *Pseudomonas putida* MCCC 1A00316 Isolated from Antarctic Soil:
Identification and Characterization of Activity
against *Meloidogyne incognita***

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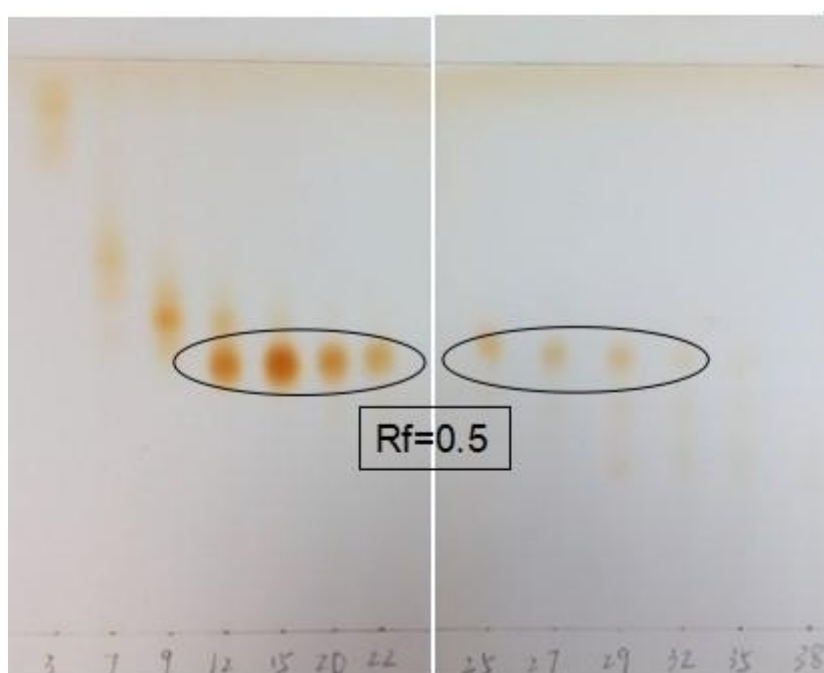


Figure S1 TLC plates of 38 fractions (Fr 1-38) obtained from a large silica gel column. The desired fraction is the one with a Retention Factor Value (Rf) of 0.5.

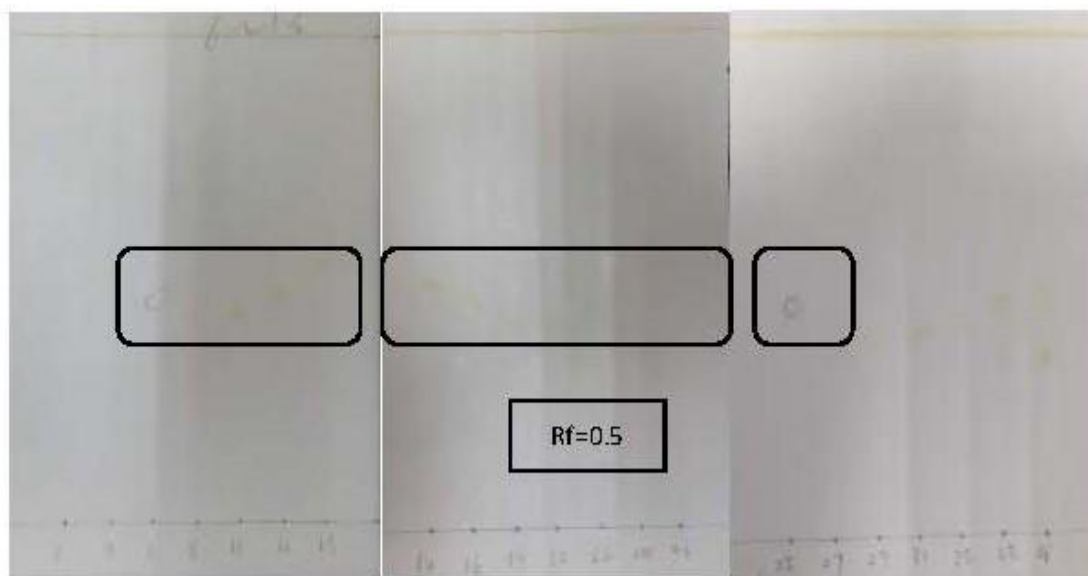


Figure S2 TLC plates of 35 fractions (Fr 1-35) obtained from F1-1 using a small silica gel column. The desired fraction is the one with a Retention Factor Value (Rf) of 0.5.

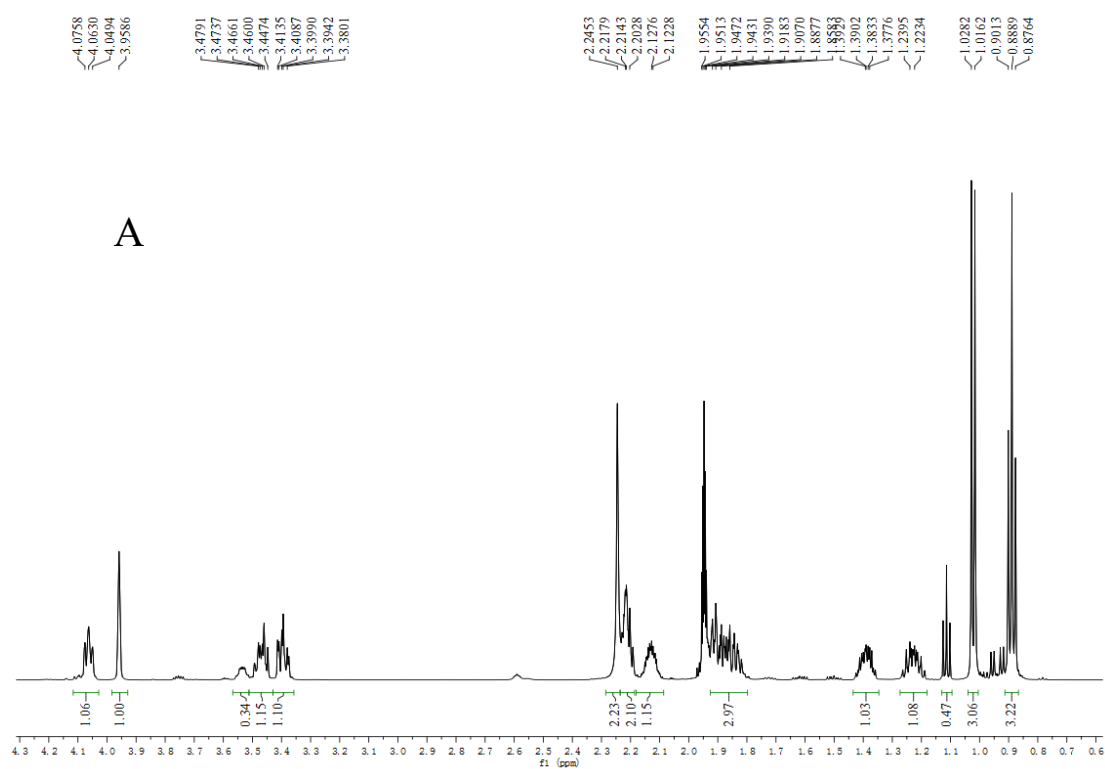


Figure S3. *Cont.*

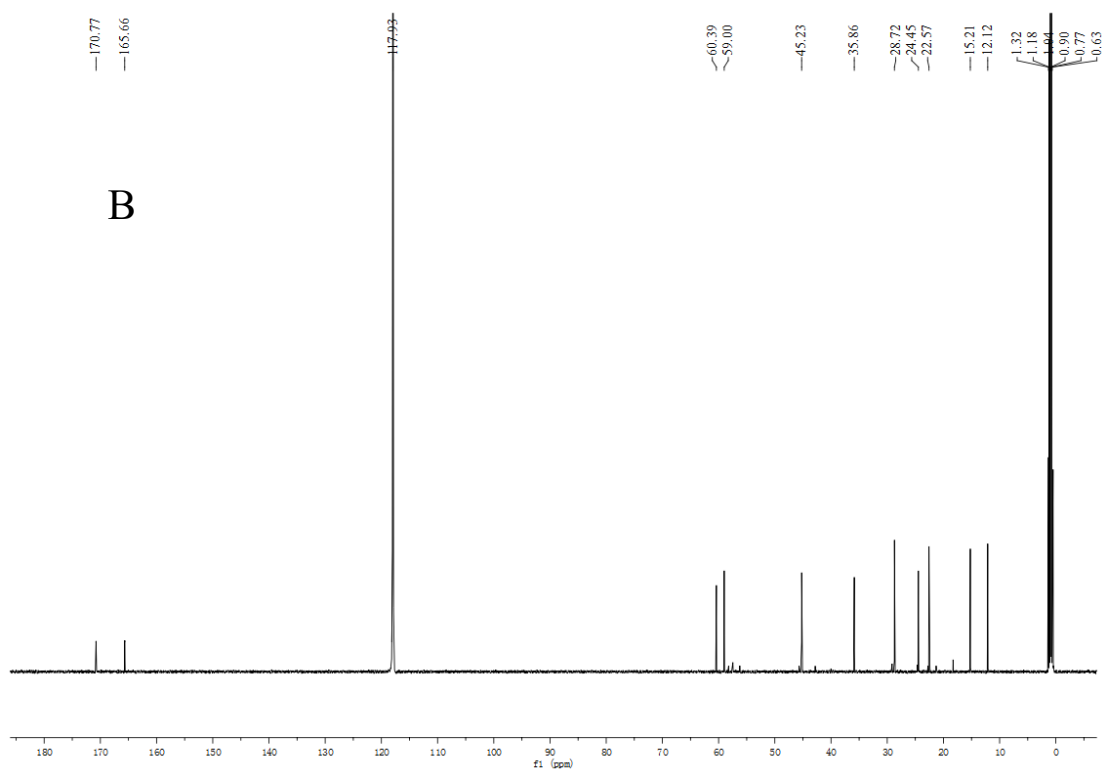


Figure S3 ^1H -NMR spectrum of compound P3 in CD_3CN at 600 MHz (A), ^{13}C -NMR spectrum of compound P3 in CD_3CN at 150 MHz (B).

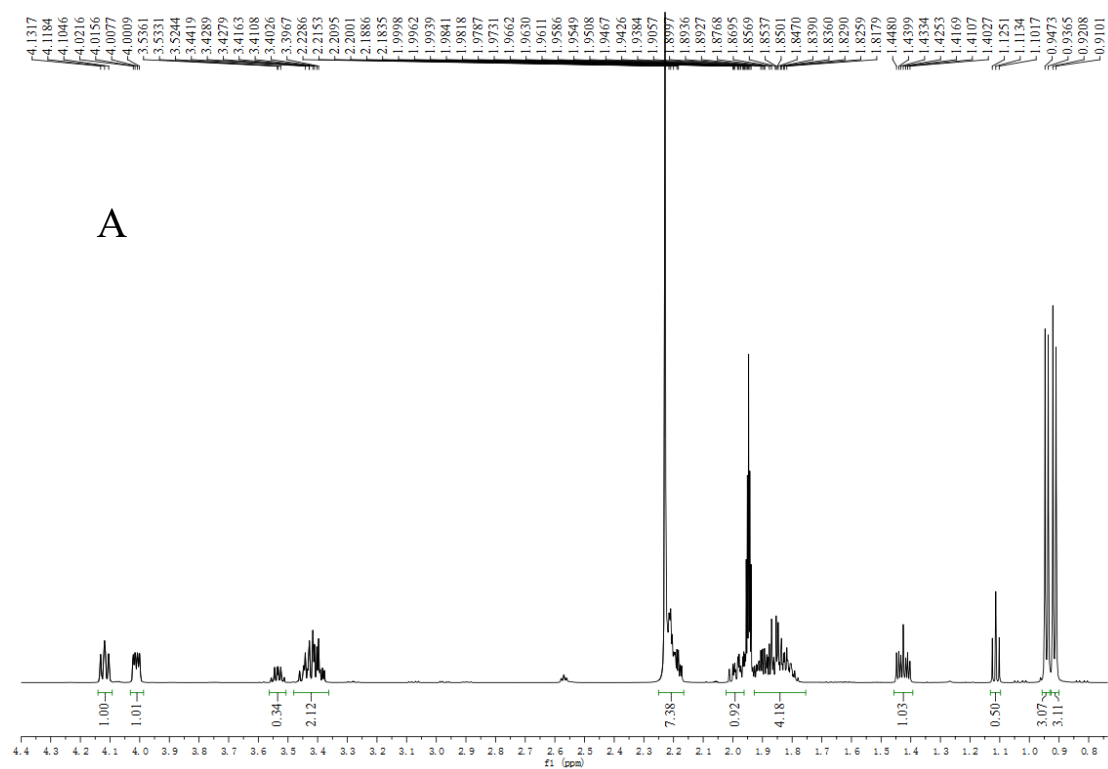


Figure S4. Cont.

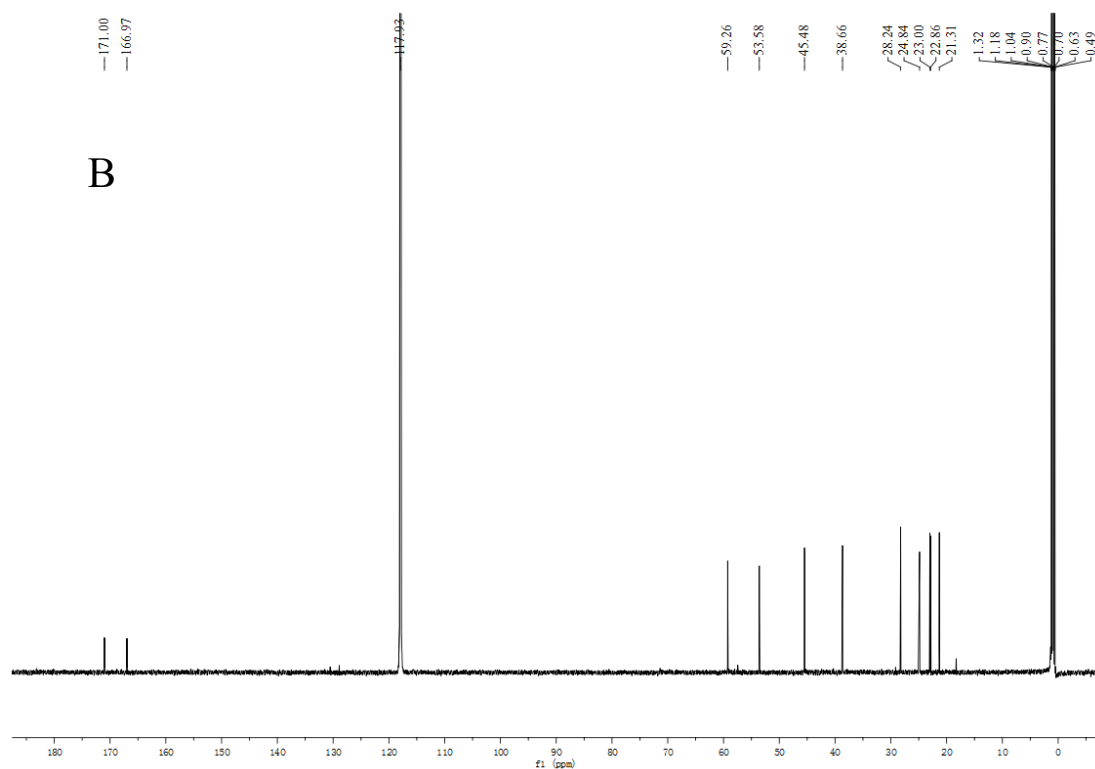


Figure S4 ^1H -NMR spectrum of compound P4 in CD_3CN at 600 MHz (A), ^{13}C -NMR spectrum of compound P4 in CD_3CN at 150 MHz (B).

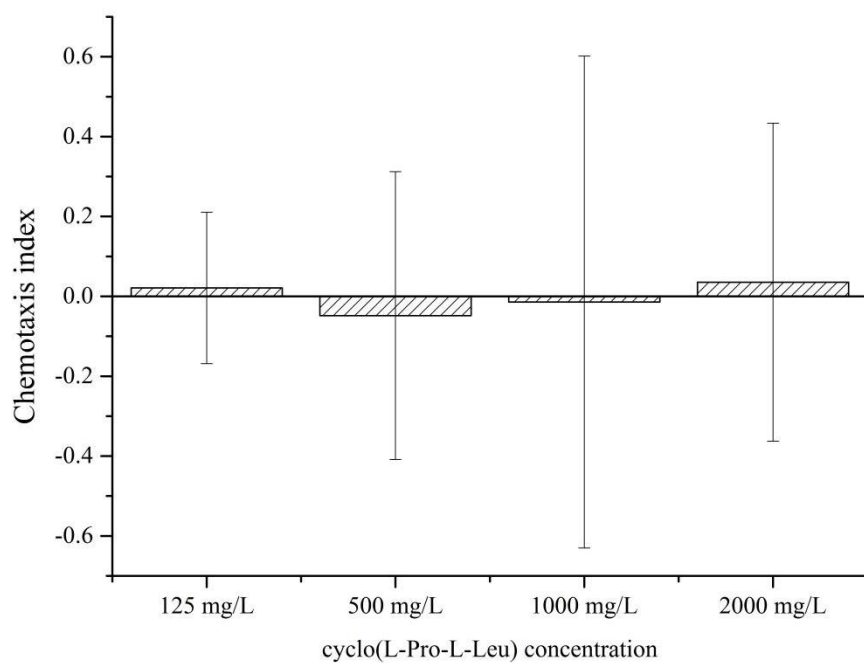


Figure S5. Chemotaxis of *M. incognita* J2 to cyclo(L-Pro-L-Leu). Values with the * do not differ from each other at $P < 0.05$, they means the side of the number of attracting or avoiding nematodes is significantly different from another side; bars indicate the standard error of the means ($n = 3$).