Electronic Supplementary Material (ESI) for Analytical Methods.
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Supporting Information:

DNA-EB in agarose gel assay: a simple methodology in the search of DNA-binders in crude extracts from actinomycetes

Anelize Bauermeister, Munira Muhammad Abdel Baqui, Luiz Alberto Beraldo Moraes

Table S1. Solvent effect evaluation in DNA-binding assay by average (%) in fluorescence intensity.

Sample	Average %	SD	Significance
Control	100.0	2.2	---
Dox	45.9	2.6	Yes ***
MeOH	100.0	3.7	No
DMSO	97.2	2.0	No
EtOH	100.9	3.6	No
ACN	105.8	1.4	No
AcOEt	98.8	2.6	No
Hex	98.1	6.3	No
Acetone	97.0	5.6	No
DMF	92.8	4.0	No

*** high significance

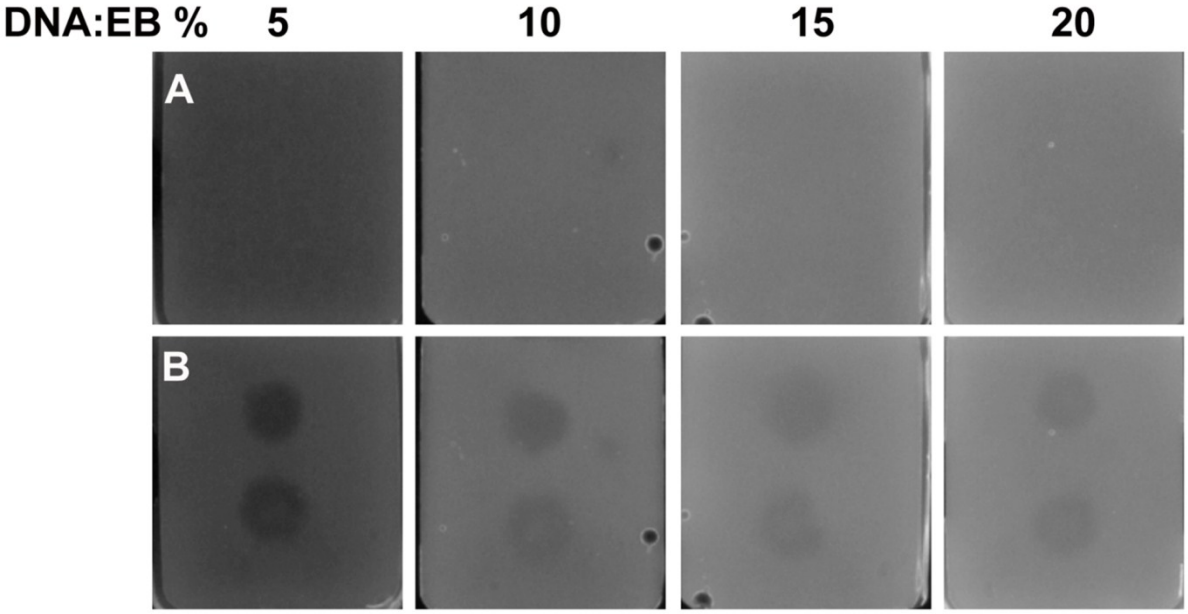

Figure S1. (A) Different DNA:EB mixture concentrations (5, 10, 15 and 20 % (v/v)) to G-DNA-EB gel. (B) The corresponding gel after application of 2 µL Dox 20 µM, in duplicate, and washed for 20 minutes.

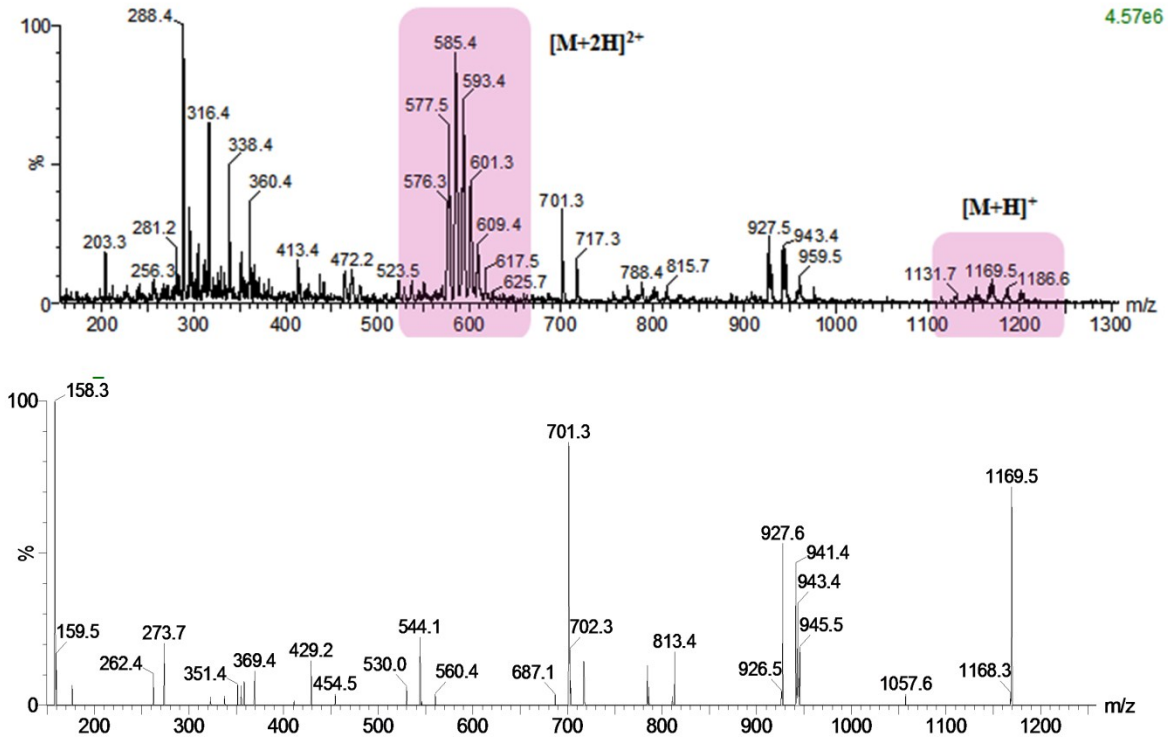

Figure S2. (a) Full scan and (b) CID spectra for ion *m/z* 1169, from the crude extract produced by actinobacteria CS039.