

SUPPLEMENTARY MATERIALS

# Biological Effects of the Azaspiracid-Producing Dinoflagellate *Azadinium dexteroporum* in *Mytilus galloprovincialis* from the Mediterranean Sea

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Table S1. Chromatographic conditions utilised in LC-MS/MS analysis.

<b>Column</b>	Waters X-Bridge C18, 150 mm x 3mm; 5 $\mu$ m		
<b>Run time</b>	27 min		
<b>Column temperature</b>	40 °C		
<b>Injection volume</b>	10 $\mu$ l		
<b>Flow rate</b>	0.4 ml min <sup>-1</sup>		
<b>Gradient</b>	<b>Time (min)</b>	<b>Mobile phase A (%)</b>	<b>Mobile phase B (%)</b>
	0	90	10
	2	90	10
	13	10	90
	18	10	90
	21	90	10
	27	90	10

Table S2. Ionspray source MS parameters.

<b>Turbo IonSpray source</b>	
Temperature ( <b>TEM</b> )	600 °C
Ionspray voltage ( <b>IS</b> )	5000 V
Curtain gas ( <b>CUR</b> )	20 psi
Nebulizer Gas ( <b>GS1</b> )	60 psi
Auxiliary Gas ( <b>GS2</b> )	40 psi
CAD	Medium

Table S3. Mass transitions and collision energy used for AZAs determination in Multiple Reaction Monitoring (MRM) experiments.

Azaspiracids AZAs	Precursor Ion (m/z)	Product Ion (m/z)	CE (eV)
<b>AZA-1</b>	<sup>a</sup> 842	824	55
		672	70
<b>AZA-54</b>	<sup>a</sup> 870	852	55
		672	70
<b>3-epi-AZA-7</b>	<sup>a</sup> 858	840	55
		672	70
<b>AZA-58</b>	<sup>a</sup> 828	810	55
		672	70
<b>AZA-55</b>	<sup>a</sup> 868	850	55
		670	70

<sup>a</sup>Present as [M + H]<sup>+</sup>; CE= energy collision