

**Table S2** AHL detection and quantification parameters for the HPLC Full Scan HR-MS method

<b>AHL<sup>a</sup></b>	<b>Parent ion<sup>b</sup></b> <b>[M + H]<sup>+</sup></b> <b>(m/z)</b>	<b>Molecular</b> <b>Formula</b>	<b>RT<sup>c</sup></b> <b>(min)</b>	<b>LOD<sup>d</sup></b> <b>(nM)</b>	<b>LOQ<sup>e</sup></b> <b>(nM)</b>
<b>C6-HSL</b>	216.12303	C <sub>10</sub> H <sub>17</sub> NO <sub>4</sub>	4.43	0.92	3.06
<b>3-oxo-C6-HSL</b>	214.10738	C <sub>10</sub> H <sub>15</sub> NO <sub>4</sub>	3.02	9.85	32.80
<b>3-OH-C6-HSL</b>	200.12812	C <sub>10</sub> H <sub>17</sub> NO <sub>3</sub>	2.94	5.70	18.99
<b>C8-HSL</b>	242.13868	C <sub>12</sub> H <sub>19</sub> NO <sub>4</sub>	5.77	0.54	1.81
<b>3-oxo-C8-HSL</b>	244.15433	C <sub>12</sub> H <sub>21</sub> NO <sub>4</sub>	4.91	0.89	2.96
<b>3-OH-C8-HSL</b>	228.15942	C <sub>12</sub> H <sub>21</sub> NO <sub>3</sub>	4.68	1.59	5.30
<b>C10-HSL</b>	270.16998	C <sub>14</sub> H <sub>23</sub> NO <sub>4</sub>	6.86	0.48	1.58
<b>3-oxo-C10-HSL</b>	272.18563	C <sub>14</sub> H <sub>25</sub> NO <sub>4</sub>	6.10	0.76	2.54
<b>3-OH-C10-HSL</b>	256.19072	C <sub>14</sub> H <sub>25</sub> NO <sub>3</sub>	5.82	0.47	1.57
<b>C12-HSL</b>	300.21693	C <sub>16</sub> H <sub>29</sub> NO <sub>4</sub>	7.74	0.45	1.51
<b>3-oxo-C12-HSL</b>	298.20128	C <sub>16</sub> H <sub>27</sub> NO <sub>4</sub>	6.98	0.39	1.30
<b>3-OH-C12-HSL</b>	284.22202	C <sub>16</sub> H <sub>29</sub> NO <sub>3</sub>	6.72	0.40	1.35

<sup>a</sup> AHL, Acyl homoserine lactones

<sup>b</sup> Monoisotopic mass values calculated using the Xcalibur software version 2.07 (Thermo Scientific)

<sup>c</sup> RT, Retention time, units in minutes

<sup>d</sup> LOD, Limit of detection is defined as the lowest concentration (nM) that can be detected with signal to noise ratio above 3:1

<sup>e</sup> LOQ, Limit of quantification is the concentration equal a signal to noise ratio of 10:1