

Early release of 1-pyrroline by *Pseudomonas aeruginosa* cultures discovered using ambient corona discharge ionization mass spectrometry

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SUPPORTING INFORMATION

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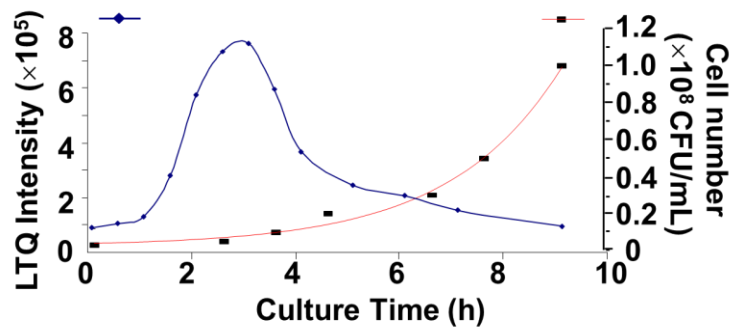


Fig. S-1 The time profiles of 1-pyrroline signal (m/z 70) detected by AMS from the headspace of PA culture (blue) and PA cell count measured by UV spectroscopy (red).

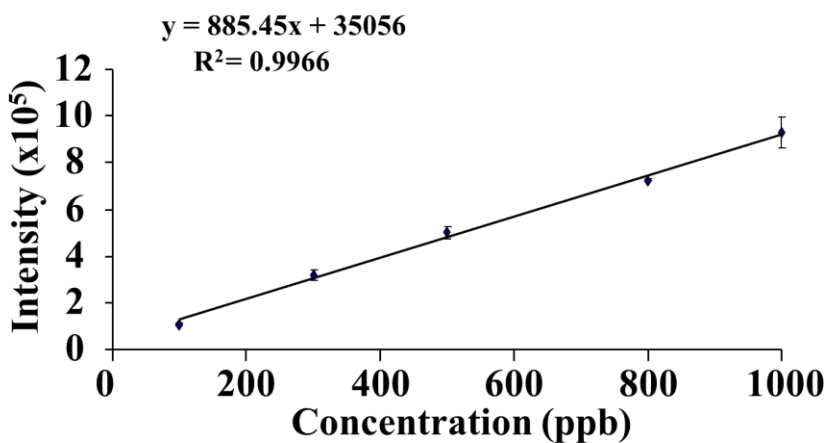


Fig. S-2 The dependence of 1-pyrroline signal intensity (m/z 70) detected by AMS on the concentration of 1-pyrroline in culture medium (tryptic soy broth) solution.

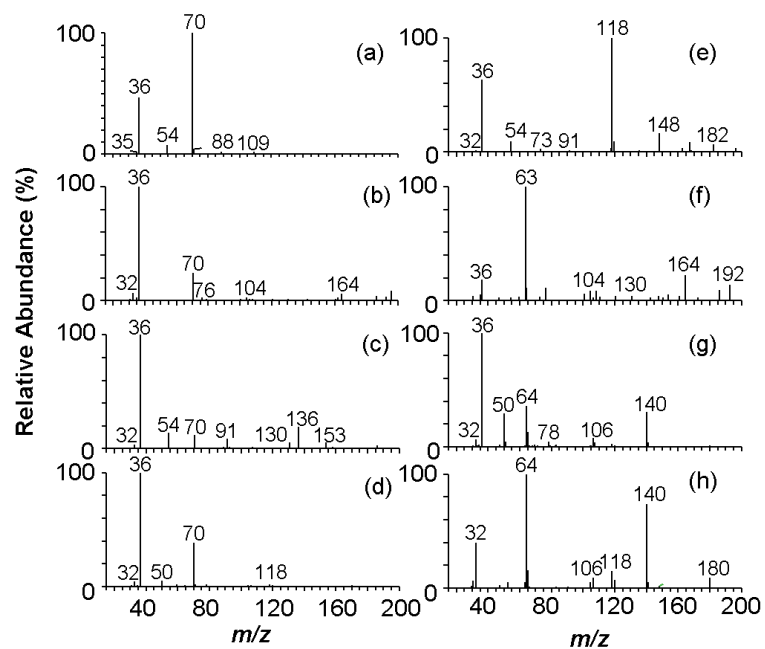


Fig. S-3 AMS spectrum of volatiles emitted after 12 h incubation by a) PA culture in tryptic soy broth (TSB) medium; b) *P. putida* in TSB medium; c) *B. cepacia* in TSB medium; d) PA in Luria-Bertani broth medium; e) *Escherichia coli* in TSB medium; f) *Klebsiella pneumonia* in TSB medium; g) *Candida albicans* in TSB medium; h) *Candida tropicalis* in TSB medium.