**Characterization of a Novel *N*-Acylhomoserine Lactonase, AidP, from Antarctic *Planococcus* sp.**

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Figure S1 Phylogenetic tree constructed using NCBI BLAST result of *aidP* gene from *P. versutus* L10.15T. The foreground branch is highlighted in red colour.

1. **Table S1 Bacterial strains and plasmids**

|  |  |  |
| --- | --- | --- |
| **Strain or plasmid** | **Description** | **Source** |
| Strains |  |  |
| ***E.coli*** |  |  |
| Top 10 | Cloning strain | Invitrogen |
| BL21 StarTM | Expression strain | Invitrogen |
| *Planococcus versutus* L10.15T | AHL-degrading strain isolated from soil collected from Lagoon Island, maritime Antarctic | See-Too *et al.,* 2017 |
| ***Pectobacterium carotovarum*** |  |  |
| GS101 | Wild type strain of *P. carotovarum* | McGowan *et al*., 1995 |
| PNP22 | *LuxI* (*carI*) mutant of strain GS101 | McGowan *et al*., 1995 |
|  |  |  |
| **Plasmids** |  |  |
| pET200  | Kmr ; expression vector | Invitrogen |
| pET200-aidP | Kmr ; pET200 carrying the *aidP* gene | This study |

**Table S2 Colour coding for multiple sequences alignment analysis**



References:

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