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Corrigendum: Sensor histidine kinases *kdpD* and *aauS* regulate biofilm and virulence in *Pseudomonas aeruginosa* PA14

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A Corrigendum on

Sensor histidine kinases *kdpD* and *aauS* regulate biofilm and virulence in *Pseudomonas aeruginosa* PA14

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In the originally published article, a part of [Figure 6](#) has duplication of waxworm image [Figure 6C](#) and editing errors in the strain names [Figure 6D](#) while making the final high-resolution images.

Specifically, the worm image in two panels of [Figure 6C](#) (PBS control-WT pUCP18 and $\Delta kdpD::pUCP18-\Delta kdpD::pUCP18kdpD$) are duplicated. The names of two strains ($\Delta kdpD::pUCP18kdpD$ and $\Delta aauS::pUCP18$) in [Figure 6D](#) are interchanged. These errors have been corrected as shown in [Figures 6C, D](#) below. There is no change in the figure legends. We apologize for any inconvenience this error may have caused. It is noteworthy that these modifications do not change the scientific conclusions of the paper in any way.

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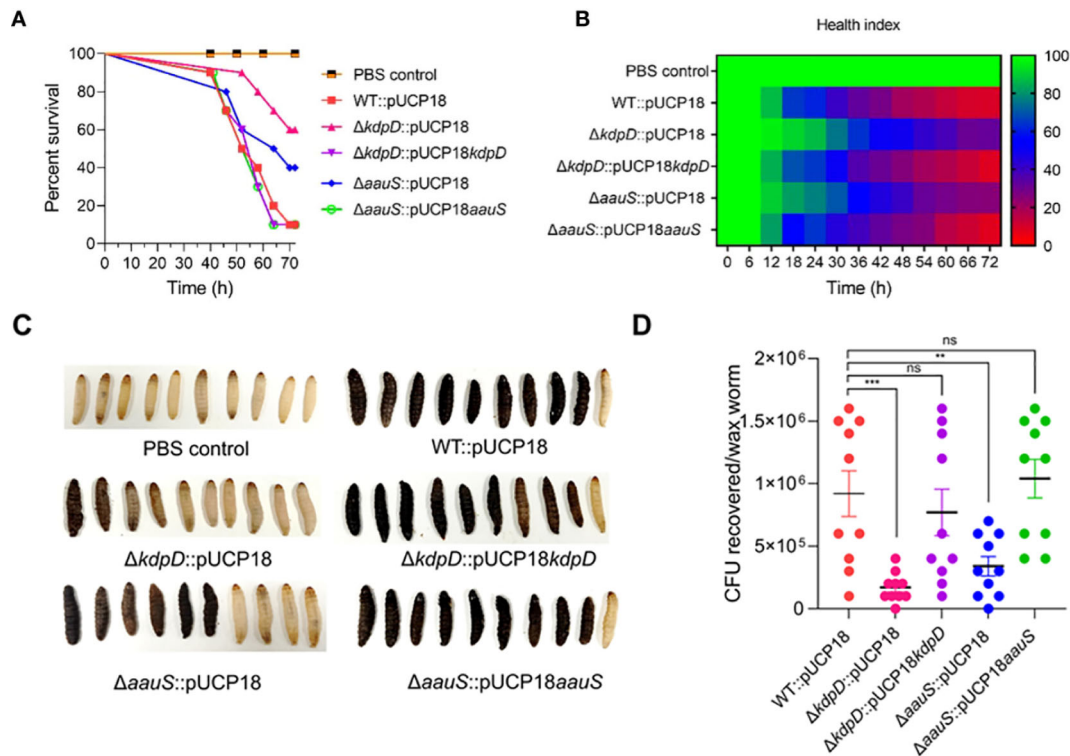


FIGURE 6

Confirming the roles of *kdpD* and *aauS* in the virulence potential of *P. aeruginosa* using the *G. mellonella* infection model. (A) Survival of *G. mellonella* larvae infected with 10 CFU of WT::pUCP18, $\Delta kdpD$::pUCP18, $\Delta aauS$::pUCP18, $\Delta kdpD$::pUCP18kdpD, and $\Delta aauS$::pUCP18aauS strains. The number of larvae in each group was 10 ($n = 10$). The larvae were injected with 20 μ L bacterial solution, and their survival was examined for 72 (h) The control group received 20 μ L PBS. (B) The health index of larvae is plotted as an average of each group at multiple time points based on the health scoring index (movement, melanization, cocoon formation, and survival). (C) An image showing the differential melanization and death of waxworms infected with different bacterial strains; and (D) Assessment of CFUs recovered on selective media CA after 72 h of infection. The experiments were performed in triplicates. The significance of the data was analyzed using Student's t-test. $P < 0.05$ was considered statistically significant (ns, non significant; ** $p < 0.01$, and *** $p < 0.005$).