

Supplementary Table S2. Homologies of *P. damsela* subsp. *damsela* proteins encoded by the variable regions downstream *trpR* gene. The six proteins predicted in isolate DK3 and two proteins in isolate DK20 are shown. These proteins are encoded by the variable genes depicted in Figure 6 in the manuscript.

| Feature ID | Length (bp) | Function of the predicted protein | Homologue Matches | | | |
|------------|-------------|--|-------------------|--------------------------------|------------|---------|
| | | | Accession no. | Species | Identities | E-value |
| DK3_CDS_1 | 858 | Hypothetical protein | WP_104023704.1 | <i>Vibrio hyugaensis</i> | 28% | 1e-22 |
| DK3_CDS_2 | 537 | Fimbrial protein precursor | P_025010734.1 | <i>Shewanella</i> sp. | 69% | 1e-58 |
| DK3_CDS_3 | 708 | Molecular chaperone | WP_011918440.1 | <i>Shewanella putrefaciens</i> | 40% | 8e-54 |
| DK3_CDS_4 | 2475 | Fimbrial biogenesis outer membrane usher protein | WP_011918441.1 | <i>Shewanella putrefaciens</i> | 43% | 0.0 |
| DK3_CDS_5 | 1269 | Fimbrial protein | WP_045283300.1 | <i>Shewanella algae</i> | 47% | 3e-119 |
| DK3_CDS_6 | 705 | Molecular chaperone | WP_093983961.1 | <i>Shewanella algae</i> | 34% | 5e-32 |
| DK20_CDS_1 | 387 | Hypothetical protein | WP_065172226.1 | <i>Photobacterium damsela</i> | 99% | 2e-78 |
| DK20_CDS_2 | 1662 | Twin-arginine translocation pathway signal protein | WP_068946980.1 | <i>Photobacterium damsela</i> | 99% | 0.0 |