

S7 Table. Other major pathogenic virulence factors (phospholipases, lipoproteins, integrons and transposons elements) and its corresponding protein.

| GenBank Reference sequence/ Accession Number | Corresponding Protein |
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| WP_013725290.1 | Phospholipase C |
| WP_013726181.1 | Patatin-like phospholipase |
| WP_013726822.1 | Putative lysophospholipase |
| KEI17445.1 | Phospholipase D |
| KEI16223.1 | Phospholipase C |
| KEI16225.1 | Phospholipase |
| KEI14333.1 | Phospholipase |
| WP_013726597.1 | Lipoprotein |
| WP_013724485.1 | Lipoprotein |
| WP_013724782.1 | Lipoprotein |
| WP_013724713.1 | Lipoprotein |
| WP_013726117.1 | Lipoprotein, NLPA family |
| WP_013725971.1 | Membrane associated lipoprotein |
| WP_013724915.1 | Lipoprotein releasing system transmembrane protein |
| WP_013720863.1 | Integrase catalytic subunit |
| WP_013720821.1 | Integrase catalytic subunit |
| WP_013720988.1 | Integrase catalytic subunit |
| WP_013721036.1 | Integrase catalytic subunit |
| WP_013725486.1 | Integrase catalytic subunit |

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| WP_013725098.1 | Integrase catalytic subunit |
| WP_013725939.1 | Integrase catalytic subunit |
| WP_013725098.1 | Integrase catalytic subunit |
| WP_013725232.1 | Integrase catalytic subunit |
| WP_013726226.1 | Integrase catalytic subunit |
| WP_013725154.1 | Integrase catalytic subunit |
| WP_013726762.1 | Integrase catalytic subunit |
| WP_013726744.1 | Integrase catalytic subunit |
| WP_013726712.1 | Integrase catalytic subunit |
| WP_013726729.1 | Integrase/recombinase |
| KEI15778.1 | Integrase |
| KEI16715.1 | Integrase |
| KEI18215.1 | Integrase |
| KEI18302.1 | Integrase |
| WP_013720873.1 | Putative integrase/recombinase |
| WP_013720871.1 | Integrase/recombinase |
| WP_013720987.1 | Integrase/recombinase phage integrase |
| WP_003367547.1 | Putative IS transposase (OrfA) |
| WP_013720786.1 | Putative IS transposase (OrfB) |
| WP_013720769.1 | Putative IS transposase (OrfB) |
| WP_013720768.1 | Putative IS transposase (OrfB) |
| WP_013720788.1 | Transposase mutator family protein |
| WP_013726399.1 | Mutator family transposase |

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| WP_013725161.1 | ISBma2, transposase |
| WP_013725144.1 | ISBma2, transposase |
| WP_013725182.1 | ISBma2, transposase |
| KEI18431.1 | Transposase |
| KEI15696.1 | Transposase |
| KEI16730.1 | Transposase |
| KEI17274.1 | Transposase |
| KEI16110.1 | Transposase |
| KEI18520.1 | Transposase |
| KEI16014.1 | Transposase |
| KEI14052.1 | Transposase |
| KEI14177.1 | Putative transposase (plasmid) |
| KEI14445.1 | Transposase |
| KEI14287.1 | Transposase |