

### Supplementary Information

**Supplementary Table S1:** Biofilm and virulence related genes of *A. tumefaciens* with their primer sequences used for qRT-PCR.

Gene	Function	Primer sequences
<i>16S rRNA</i>	16S ribosomal RNA <sup>1</sup>	Forward 5'- TGA CGA GTG GCG GAC GGG TG -3' Reverse 5'- ATG CAG TTC CCA GGT TGA GC -3'
<i>celA</i>	Cellulose synthase <sup>2</sup>	Forward 5'- TGC CAC AAA CAT CGA AAA AG -3' Reverse 5'- ATT GTT CGG AAT TGG CAA AG -3'
<i>cheA</i>	Chemotaxis protein <sup>2</sup>	Forward 5'- GTG CCT TTG GTC TCG ATG AT -3' Reverse 5'- GCT TCC AGT TCC TTG ACG AG -3'
<i>exoR</i>	Exopolysaccharide production negative regulator <sup>2</sup>	Forward 5'- CTT CTT TCC CTT GCC GAT TA -3' Reverse 5'- CCT GGT TGA GCC ACT TCT TC -3'
<i>phoB</i>	Two component response regulator <sup>2</sup>	Forward 5'- AGG TTC TGT CTT CGG TGC TG -3' Reverse 5'- TAG ATA TCG TGG CCC CAG AC -3'
<i>chvE</i>	Virulence factor kinase <sup>3</sup>	Forward 5'- GTT CTG CAG GCA ACT TCG AT -3' Reverse 5'- ACC TTG TCC ATT CCC ATC TG -3'
<i>chvG</i>	Two component sensor kinase <sup>3</sup>	Forward 5'- GGA AAA ACT GCT CGA ATT GC -3' Reverse 5'- CTG TCC GCG TGA ATA AAG GT -3'
<i>flgE</i>	Flagellar hook protein <sup>4</sup>	Forward 5'- TGG GAA GTA GCG GTT TAT CG -3' Reverse 5'- GGT CGA TAT TGA TCG CTT GC -3'
<i>fliR</i>	Flagellar biosynthetic protein <sup>4</sup>	Forward 5'- GTC GTT GGC CTC ATC TTC TC -3' Reverse 5'- TCC ATC ATG AAC AGC ACC AG -3'
<i>motA</i>	Flagellar motor protein <sup>4</sup>	Forward 5'- GAA GCG CAC ATC GAT AAT CC -3' Reverse 5'- CGA TGA TGA TGA GAC GGA CA -3'
<i>clpB</i>	Protease <sup>5</sup>	Forward 5'- GCA AGC ATG TGG AGA AGG AT -3' Reverse 5'- CAG AAA CCG GTC GGT AAT GT -3'
<i>dnaK</i>	Hsp70 chaperone protein <sup>5</sup>	Forward 5'- GTC GAC CAA CGG TGA TAC C -3' Reverse 5'- GAT GAA CGG CAG GTT GAT TT -3'

<sup>1</sup>Housekeeping gene, <sup>2</sup>biofilm-related genes, <sup>3</sup>virulence genes, <sup>4</sup>motility genes, <sup>5</sup>stress response genes