Table S1: Bacterial strains and plasmids used in this study

| Strains                       | Description                                                                 | Source                                      |
|-------------------------------|-----------------------------------------------------------------------------|---------------------------------------------|
| Escherichia coli DH5α         | F' recA IncZ DM15                                                           | Bethesda Research Laboratory                |
| **Ralstonia solanacearum**    |                                                                             |                                             |
| GM1000                        | Wild-type strain                                                            | (Boucher et al., 1987)                      |
| GRS447                        | Δgala2,4,5,6,7, gala1::Ω, gala3::Ω, Gm' Spc' Kan'                             | (Angot et al., 2006)                        |
| GRS460                        | Δgala2,6,7, gala3::Ω, Spc'                                                  | (Angot et al., 2006)                        |
| GRS536                        | Δgala2, gala3::Ω, gala7::pCS367,Spc' Gm'                                    | This work                                  |
| GRS537                        | Δgala2,3, Δgala6::pCS367,Spc' Gm'                                           | This work                                  |
| GRS538                        | Δgala6,7, gala3::Ω, Spc'                                                   | This work                                  |
| GRS539                        | Δgala2,6,7, Kan'                                                            | This work                                  |
| **Pseudomonas syringae pv. tomato** |                                                                             |                                             |
| DC3000                        | Wild-type strain, Rif'                                                      | (Alfano et al., 2000)                       |
| DC3000ΔCEL                    | ΔavrR-stcN, Rif' Spc'                                                       |                                             |
| **Plasmids**                  |                                                                             |                                             |
| pCZ367                        | pUC18-derived vector used for insertional mutagenesis of gala6 and gala7     | (Cunning et al., 2004b)                     |
| pEDV6                         | pAvrRPS4::AvrRPS4_135c-HA-GW                                                | (Sohn et al., 2007; Fabro et al., Submitted)|
| pPR181                        | pENTRY-GALA1*                                                               | This work                                  |
| pPR156                        | pENTRY-GALA3*                                                               | This work                                  |
| pPR126                        | pDON207-GALA4*                                                              | This work                                  |
| pPR134                        | pDON207-GALA5*                                                              | This work                                  |
| pPR122                        | pDON207-GALA6*                                                              | This work                                  |
| pNP200                        | pDON207-GALA7*                                                              | This work                                  |
| pPR179                        | pEDV6-GALA1*                                                                | This work                                  |
| pPR180                        | pEDV6-GALA3*                                                                | This work                                  |
| pPR136                        | pEDV6-GALA4*                                                                | This work                                  |
| pPR137                        | pEDV6-GALA5*                                                                | This work                                  |
| pPR124                        | pEDV6-GALA6*                                                                | This work                                  |
| pPR103                        | pEDV6-GALA7*                                                                | This work                                  |

*Spc', Gm', Kan', Rif' = resistant to spectinomycin, gentamycin, kanamycin and rifampicin

Reference
Boucher CA, Barberis PA, Trigalet AP, Demery DA. 1985. Transposon mutagenesis of Pseudomonas solanacearum: isolation of Tn5-induced avirulent mutants. Journal of General Microbiology 131: 2449-2457
# Table S2: Oligonucleotides used in this study

| GALA cloning                                                                 |                      |                      |                      |                      |                      |
|----------------------------------------------------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| oNP572 GGAGATAGAACCACCTGGGATACCATCCTCTGGCG | 5’GALA4               |                      |                      |                      |                      |
| oNP573 CAAGAAAAGCTGGGTCTMCCTGCTTGAGCAGG | 3’GALA4               |                      |                      |                      |                      |
| oNP574 GGAGATAGAACCATGAAAACTCGCTCGGCGCTTGG | 5’GALA5               |                      |                      |                      |                      |
| oNP576 CAAGAAAAGCTGGGTCTCMCTTGCGCAGCTGCA | 3’GALA5               |                      |                      |                      |                      |
| oNP577 CAAGAAAAGCTGGGTCTCMCTGCCACCCGCA  | 3’GALA6               |                      |                      |                      |                      |
| oNP526 CAAGAAAAGCTGGGTCTCMCCGCACCGAC  | 5’GALA7               |                      |                      |                      |                      |
| oNP527 CAAGAAAAGCTGGGTCTCMCCGCACCGAC  | 3’GALA7               |                      |                      |                      |                      |
| oNP528 CAAGAAAAGCTGGGTCTCMCCGCACCGAC  | 5’GALA7               |                      |                      |                      |                      |
| oNP291 GGGGACAAGTTTGTATAAAAAGCACGCTTCGAGATGAGATAGACGTC | 5’ adaptor with attB1 |                      |                      |                      |                      |
| oNP292 GGGGACCACCTCTGTAACGAGAAGCTGGGTC | 3’ adaptor with attB2 |                      |                      |                      |                      |
| oPR101 ACGTTTCCATTCGCTTGAGGTCGCGG   | 5’GALA1 STOP site-directed mutagenesis |                      |                      |                      |                      |
| oPR102 ACGTTTCCATTCGCTTGAGGTCGCGG   | 3’GALA1 STOP site-directed mutagenesis |                      |                      |                      |                      |
| oPR103 ACGCTGGGAGATTAGATGAGATGAGAT   | 5’GALA3 STOP site-directed mutagenesis |                      |                      |                      |                      |
| oPR104 ACGCTGGGAGATTAGATGAGATGAGAT   | 3’GALA3 STOP site-directed mutagenesis |                      |                      |                      |                      |

| CGH microarray probes                                                                 |                      |                      |                      |                      |                      |
|--------------------------------------------------------------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| RSp0914 CCGCGGAACATCGAGACCTGGGCCATGCAACGAAAGTTGATGCGCATCGGTTGAGCGCGCCATGACGTTC | probe GALA1          |                      |                      |                      |                      |
| RSp0914A TACCAAGAACCCTTCAGATGGCTCCCGCGCCCTCATGAAGGCACACCCTGAAAGGCACGCCACCCGAGAAATCGGCTTGATGCGCATGACGTTC | probe GALA1          |                      |                      |                      |                      |
| RSp0914B TCAGTCTCTGGCGTCAACGCGACCCGCGATGGGCGTGGGAGGGCCGTGACCGTCGCTCGGCCTCGGGCG | probe GALA1          |                      |                      |                      |                      |
| RSp0914C AAGGACTGTCGCCAATCGCGACCTGCCCAGGAAATGCGCTCAGCGCCGTCGCTCGGGCGGCGAGCG | probe GALA1          |                      |                      |                      |                      |
| RSp0672 AGGGAAACATCGTGACGCAAGGGCCAGTTGATGCGCATCGGTTGAGCGCCATGACGTTC | probe GALA2          |                      |                      |                      |                      |
| RSp0672A CGCGGAACATCGAGACCTGGGCCATGCAACGAAAGTTGATGCGCATCGGTTGAGCGCGCCATGACGTTC | probe GALA2          |                      |                      |                      |                      |
| RSp0672B GGGCTCGGGCTGCGACCTGACGGCATGCGACGTCGTCGCGACGTCGGGCTCGGGCGGCGGCGGCAGTCGCT | probe GALA2          |                      |                      |                      |                      |
| RSp0672C CGAGGCTGGGCGGCAACCCGACGTCGTCGCGGCTGAGGCGCGGCGGCGGCGGCGGCAACCGCTCAGCGCGGCGG | probe GALA2          |                      |                      |                      |                      |
| RSp0028 CCGCTCCTGCTTGAGGACTGTCGGCAGGCAACCGCGACCTGCGAGCTGCTGACGCGCAGATGACG | probe GALA3          |                      |                      |                      |                      |
| RSp0028A TTTCTGAGTAAACGACGCGGCGCCAGCGGTGCTGCGGCGCCAGCGGTGCTGCGGCGGCGGCGGCGG | probe GALA3          |                      |                      |                      |                      |
| RSp0028B GGAACTGGGCGGCTCAGCGGCAATTGATCGTCAAGACCAGCCCGAGAGTTGATGCGCATCGGTTGAGCG | probe GALA3          |                      |                      |                      |                      |
| RSp0028C TTTCTGAGTAAACGACGCGGCGCCAGCGGTGCTGCGGCGCCAGCGGTGCTGCGGCGGCGGCGGCGG | probe GALA3          |                      |                      |                      |                      |
| RSp0028D TCAGTCTCTGGGAGGGCTTGGGGAGTGGTCGCAACGCGGAGTAATTCGCTGCACCGAAGCTGCGGCTCGT | probe GALA3          |                      |                      |                      |                      |
| RSc1800 CACGCGCGCCGCACCGGCAAAATCGGACGCGCGCAGCTGCGGCTGAGGCGCGCGGCGGCGGCGGCGG | probe GALA4          |                      |                      |                      |                      |
| RSc1800A CCGCGAGATCGAGCACTGGGCCGCGCGCAACCGCCGCGGCAATCGGCAAGCGCTTCGCGGCGGCGG | probe GALA4          |                      |                      |                      |                      |
| RSc1800B GCTCCCGAGACGCGCGCCGCGCGCAACCGCCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG | probe GALA4          |                      |                      |                      |                      |
Table S2 (continued): Oligonucleotides used in this study

| CGH microarray probes (continued)                                      |          |
|-----------------------------------------------------------------------|----------|
| RSc1800C                                                              | GGAGATGTGGATGGAAGTGCGCTCAAGTCGACGCCCAGCTGTCGCGGCGGTCAACAGATGCGCGGGTCAGCAAG | probe GALA4 |
| RSc1800D                                                              | CCGCATTGCCGCAACAAGAAGCTGACCACTCAAGTCAGCAACGGATCGGCGGCGCTGCTGCCGGTGGGGTG | probe GALA4 |
| RSc1801                                                              | GGTTGTCGACGACCTGCGCAACAGATGGAAGAATCTGTAGCGACGCGAGCGCTCGGAGGAGAATCTGTAGCGACGCGAGCGCT | probe GALA5 |
| RSc1801A                                                             | TTTTGCGCCGGCGGCAACTATCCGCCCCTGGAGAAAGCTGACGCTTGCCGGCACGTTCACAGGACGCTTCT | probe GALA5 |
| RSc1801B                                                             | AACACGAAGTCGACCAAGCGCTGATCTCGGCTACACCGACATCGGCGATGCGGCGGCGTTGGACGCG | probe GALA5 |
| RSc1801C                                                             | GTCAAGCGCGCGCAACTATCCGCCCTGGAGAAACTCAAGCTCAGCCGCGCTTCTACCGGACGCTTAG | probe GALA5 |
| RSc1801D                                                             | GCACGTGGCCGCAATACGAGGCCTGCGCATCGCTGCACCGGCAACACCCGATCGGAAAGCGGTTGTCG | probe GALA5 |
| RSc1356                                                              | GCCCGGAATGTGCTGCTCAACTCTCTAACTGACTACACAACCGCTCTCGGCTCGGCTTTGCTGACTCGGTG | probe GALA6 |
| RSc1356A                                                             | GCCCGGAATGTGCTGCTCAACTCTCTAACTGACTACACAACCGCTCTCGGCTCGGCTTTGCTGACTCGGTG | probe GALA6 |
| RSc1356B                                                             | TCTCGCTCAACTCTGCAAAACACAGATCGGACAGGAGCGCGCTGCTGCTGCTACAGCGGACGCT | probe GALA6 |
| RSc1356C                                                             | GCCCGGAATGTGCTGCTCAACTCTCTAACTGACTACACAACCGCTCTCGGCTCGGCTTTGCTGACTCGGTG | probe GALA6 |
| RSc1357                                                              | GCCCGGAATGTGCTGCTCAACTCTCTAACTGACTACACAACCGCTCTCGGCTCGGCTTTGCTGACTCGGTG | probe GALA7 |
| RSc1357A                                                             | GCCCGGAATGTGCTGCTCAACTCTCTAACTGACTACACAACCGCTCTCGGCTCGGCTTTGCTGACTCGGTG | probe GALA7 |
| RSc1357B                                                             | GCCCGGAATGTGCTGCTCAACTCTCTAACTGACTACACAACCGCTCTCGGCTCGGCTTTGCTGACTCGGTG | probe GALA7 |
| RSc1357C                                                             | GCCCGGAATGTGCTGCTCAACTCTCTAACTGACTACACAACCGCTCTCGGCTCGGCTTTGCTGACTCGGTG | probe GALA7 |

*CGH microarray probes (continued)*
Table S3: GALA accession numbers and position of *hrp-II* motif in GALA promoters

| GALA names       | accession | hrpII box position from atg |
|------------------|-----------|-----------------------------|
| IP01609_GALA2    | CAQ59390  | 91                          |
| IP01609_GALA3    | CAQ58784  | 99                          |
| IP01609_GALA4    | JF801741  | 341                         |
| IP01609_GALA5    | CAQ61423  | NA                          |
| IP01609_GALA6    | CAQ61617  | 93                          |
| IP01609_GALA7    | CAQ61616  | 93                          |
| CFBP2957_GALA2   | CBJ53541  | 91                          |
| CFBP2957_GALA3   | CBJ52829  | 99                          |
| CFBP2957_GALA4   | CBJ43095  | 88                          |
| CFBP2957_GALA5   | CBJ43096  | NA                          |
| CFBP2957_GALA6   | CBJ43268  | 412                         |
| CFBP2957_GALA7   | CBJ43267  | 96                          |
| CMR15_GALA1      | CBJ39793  | 152                         |
| CMR15_GALA2      | CBJ40290  | 91                          |
| CMR15_GALA3      | CBJ39687  | 101                         |
| CMR15_GALA4      | CBJ38006  | 372                         |
| CMR15_GALA5      | CBJ38007  | NA                          |
| CMR15_GALA6      | CBJ38610  | 97                          |
| CMR15_GALA7      | CBJ38611  | 96                          |
| CMR15_GALA8      | CBJ36437  | ND                          |
| GMII000_GALA1    | CAD18065  | NA                          |
| GMII000_GALA2    | CAD17823  | 91; 228                     |
| GMII000_GALA3    | CAD17179  | 101                         |
| GMII000_GALA4    | CAD15502  | 93                          |
| GMII000_GALA5    | CAD15503  | NA                          |
| GMII000_GALA6    | CAD15058  | 97                          |
| GMII000_GALA7    | CAD15059  | 93                          |
| Molk2_GALA2      | CAQ36581  | 91                          |
| Molk2_GALA3      | CAQ18416  | 99                          |
| Molk2_GALA4      | CAQ35674  | 88                          |
| Molk2_GALA5      | CAQ35673  | NA                          |
| Molk2_GALA6      | CAQ18765  | 72                          |
| Molk2_GALA7      | CAQ35472  | 93                          |
| PSI07_GALA1-1    | CBJ35381  | 135                         |
| PSI07_GALA1-2    | CBJ35382  | NA                          |
| PSI07_GALA1-3    | RPSI07_mp0894 | NA                       |
| PSI07_GALA2      | CBJ35242  | ND                          |
| PSI07_GALA3      | CBJ34399  | 393                         |
| PSI07_GALA4      | RPSI07_1840 | 138                      |
| PSI07_GALA5      | CBJ51205  | NA                          |
| PSI07_GALA6      | CBJ51374  | 93                          |
| PSI07_GALA7      | CBJ51373  | 97                          |
| RS1000_GALA1     | BAD42410  | ND                          |
| RS1000_GALA2     | BAD42399  | ND                          |
| RS1000_GALA3     | BAH47287  | ND                          |
| RS1000_GALA4     | BAD42394  | ND                          |
| RS1000_GALA5     | BAD42395  | NA                          |
| RS1000_GALA6     | BAD42392  | ND                          |
| RS1000_GALA7     | BAD42393  | 93                          |

NA: not applicable
ND: not detected
Table S4: Comparative Genomic Hybridization analysis of GALA distribution\(^a\) in 60 *R. solanacearum* strains

| Phylotype | Strain | GALA1 | GALA2 | GALA3 | GALA4 | GALA5 | GALA6 | GALA7 |
|-----------|--------|-------|-------|-------|-------|-------|-------|-------|
| IV        | ACH732 | 0     | 0     | 0     | 1     | 1     | 1     | 0     |
|           | Ps07\(^b\) | 1     | 1     | 1     | 1     | 1     | 1     | 1     |
|           | MAFP301558 | 0     | 0     | 1     | 1     | 1     | 0     | 1     |
| I         | R288 | 0     | 1     | 1     | 1     | 1     | 0     | 1     |
|           | PSS219 | 1     | 1     | 1     | 1     | 1     | 1     | 1     |
|           | PSS81 | 1     | 1     | 1     | 1     | 1     | 1     | 1     |
|           | JT519 | 0     | 1     | 1     | 1     | 1     | 1     | 1     |
|           | JT519 | 1     | 1     | 1     | 1     | 1     | 1     | 1     |
|           | GMI1066\(^b\) | 1     | 1     | 1     | 1     | 1     | 1     | 1     |
|           | CMR134 | 1     | 1     | 1     | 1     | 1     | 0     | 1     |
|           | PSS358 | 1     | 1     | 1     | 1     | 1     | 1     | 1     |
|           | PSS190 | 1     | 1     | 1     | 1     | 1     | 1     | 1     |
| III       | CFBP359 | 0     | 1     | 1     | 1     | 1     | 1     | 0     |
|           | CMR32 | 0     | 1     | 1     | 1     | 1     | 0     | 1     |
|           | NCPPB1029 | 0     | 1     | 1     | 1     | 1     | 1     | 1     |
|           | CFBP734 | 0     | 1     | 1     | 1     | 1     | 1     | 1     |
|           | J25 | 0     | 1     | 1     | 1     | 1     | 0     | 1     |
|           | NCPPB342 | 0     | 1     | 1     | 1     | 1     | 0     | 1     |
|           | NCPPB332 | 0     | 1     | 1     | 1     | 1     | 1     | 1     |
|           | JT528 | 0     | 1     | 1     | 1     | 1     | 0     | 1     |
|           | JT525 | 0     | 1     | 1     | 1     | 1     | 0     | 1     |
|           | CMR66 | 0     | 1     | 1     | 1     | 1     | 1     | 1     |
|           | CIP358 | 0     | 1     | 1     | 1     | 1     | 1     | 1     |
|           | CMR43 | 0     | 1     | 1     | 1     | 1     | 1     | 1     |
| II_A      | ICMP7963 | 0     | 0     | 1     | 1     | 1     | 0     | 1     |
|           | ISBSF1900 | 0     | 1     | 1     | 1     | 1     | 1     | 1     |
|           | CMR39 | 0     | 1     | 1     | 1     | 1     | 0     | 1     |
|           | UW21 | 0     | 1     | 1     | 1     | 1     | 1     | 1     |
|           | CFBP359 | 0     | 1     | 1     | 1     | 1     | 0     | 1     |
|           | CIP301 | 0     | 1     | 1     | 1     | 1     | 1     | 1     |
|           | CIP239 | 0     | 1     | 1     | 1     | 1     | 0     | 1     |
|           | B34 | 0     | 1     | 1     | 1     | 1     | 1     | 1     |
|           | A3909 | 0     | 1     | 1     | 1     | 1     | 0     | 1     |
| II_B      | CFBP7014 | 0     | 1     | 1     | 1     | 1     | 1     | 1     |
|           | ISBSF1503 | 0     | 1     | 1     | 1     | 1     | 1     | 1     |
|           | NCPPB3987 | 0     | 1     | 1     | 1     | 1     | 1     | 1     |
|           | ISBSF1712 | 0     | 1     | 1     | 1     | 1     | 1     | 1     |
|           | CIP10 | 0     | 1     | 1     | 1     | 1     | 1     | 1     |
|           | Moa\(^2\) | 0     | 1     | 1     | 1     | 1     | 1     | 1     |
|           | CIP418 | 0     | 1     | 1     | 1     | 1     | 1     | 1     |
|           | UW163 | 0     | 1     | 1     | 1     | 1     | 1     | 1     |
|           | Ant307 | 0     | 1     | 1     | 1     | 1     | 1     | 1     |
|           | Ant80 | 0     | 1     | 1     | 1     | 1     | 1     | 1     |
|           | Ant75 | 0     | 1     | 1     | 1     | 1     | 1     | 1     |
|           | JY201 | 0     | 1     | 1     | 1     | 1     | 1     | 1     |
|           | JY200 | 0     | 1     | 1     | 1     | 1     | 1     | 1     |
|           | Ant121 | 0     | 1     | 1     | 1     | 1     | 1     | 1     |
|           | JPC1669 | 0     | 1     | 1     | 1     | 1     | 1     | 1     |
|           | JT516 | 0     | 1     | 1     | 1     | 1     | 1     | 1     |
|           | CMR34 | 0     | 1     | 1     | 1     | 1     | 1     | 1     |
|           | RE | 0     | 1     | 1     | 1     | 1     | 1     | 1     |
|           | AP42H | 0     | 1     | 1     | 1     | 1     | 1     | 1     |
|           | TB1H | 0     | 1     | 1     | 1     | 1     | 1     | 1     |
|           | TB2H | 0     | 1     | 1     | 1     | 1     | 1     | 1     |
|           | TC1H | 0     | 1     | 1     | 1     | 1     | 1     | 1     |
|           | AP31H | 0     | 1     | 1     | 1     | 1     | 1     | 1     |
|           | TB10 | 0     | 1     | 1     | 1     | 1     | 1     | 1     |
|           | ETAC | 0     | 1     | 1     | 1     | 1     | 1     | 1     |
|           | RM | 0     | 1     | 1     | 1     | 1     | 1     | 1     |

\(^a\) Presence/absence analysis: 1 stands for presence whereas 0 stands for absence

\(^b\) In red: strains for which whole genome sequence is available