Table S1: Bacterial strains and plasmids used in this study

| **Strains** | | |
|---|---|---|
| *Escherechi coli* DH5α | F⁻ *recA lacZ* DM15 | Bethesda Research Laboratory |
| *Ralstonia solanacearum* | | |
| GMI1000 | Wild-type strain | (Boucher *et al.* , 1987) |
| GRS447 | Δ*gala2,4,5,6,7* , *gala1::* Ω, *gala3::* Ω, $Gm^r$ $Spc^r$ $Kan^r$ | (Angot *et al.* , 2006) |
| GRS460 | Δ*gala2,6,7* , *gala3::* Ω,$Spc^r$ | (Angot *et al.* , 2006) |
| GRS536 | Δ*gala2* , *gala3::* Ω, *gala7* ::pCZ367,$Spc^r$ $Gm^r$ | This work |
| GRS537 | Δ*gala2* , *gala3::* Ω, *gala6* ::pCZ367,$Spc^r$ $Gm^r$ | This work |
| GRS538 | Δ*gala6,7* , *gala3::* Ω, $Spc^r$ | This work |
| GRS539 | Δ*gala2,6,7* , $Kan^r$ | This work |
| *Pseudomonas syringae* pv. *tomato* | | |
| DC3000 | Wild-type strain, $Rif^r$ | |
| DC3000 ΔCEL | Δ*avrE-shcN* , $Rif^r$ $Spc^r$ | (Alfano *et al.* , 2000) |
| **Plasmids** | | |
| pCZ367 | pUC18-derived vector used for insertional mutagenesis of *gala6* and *gala7* | (Cunnac *et al.* , 2004b) |
| pEDV6 | pAvrRPS4::AvrRPS4$_{1-136}$-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 |

[a]$Spc^r$, $Gm^r$, $Kan^r$, $Rif^r$ = 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 | GGAGATAGAACCATGGGATACCACTTCTGGGCCG | 5'GALA4 |
| oNP573 | CAAGAAAGCTGGGTCTCMCGTCTTGAGCACGG | 3'GALA4 |
| oNP574 | GGAGATAGAACCATGAAACCTGTCGCTCCGGTTGG | 5'GALA5 |
| oNP575 | CAAGAAAGCTGGGTCTCMGTGCCGCATCGTCA | 3'GALA5 |
| oNP576 | GGAGATAGAACCATGGTGTCGCGCATTCCCACC | 5'GALA6 |
| oNP577 | CAAGAAAGCTGGGTCTCMGTCCCTCCACCGCA | 3'GALA6 |
| oNP526 | GGAGATAGAACCATGATGTTCAAGCGCATCGAC | 5'GALA7 |
| oNP527 | CAAGAAAGCTGGGTCTCMACCCCGGTACGAG | 3'GALA7 |
| oNP291 | GGGGACAAGTTTGTACAAAAAAGCAGGCTTCGAAGGAGATAGAACCATG | 5' adaptor with attB1 |
| oNP292 | GGGGACCACTTTGTACAAGAAAGCTGGGTC | 3' adaptor with attB2 |
| oPR101 | ACGTTCCATTCCCTGTAGGGTGGGCGCG | 5'GALA1 STOP site-directed mutagenesis |
| oPR102 | CGCGCCCACCCTACAGGGAATGGAACGT | 3'GALA1 STOP site-directed mutagenesis |
| oPR103 | ACGCTGCGGATTTAGGGTGGGCGCGCCG | 5'GALA3 STOP site-directed mutagenesis |
| oPR104 | CGGCGCGCCCACCCTAAATCCGCAGCGT | 3'GALA3 STOP site-directed mutagenesis |
| **CGH microarray probes** | | |
| RSp0914 | CGGCGAACAGATCGGAGACCTGGCATGGCAAGAGTTGATGGCATCGGTTGACCGGAGCGGCATGACGTTC | probe GALA1 |
| RSp0914A | TACCAAGACCTTGCACAGGATGCGCGCCGTCAGCAAGACCCTGAAGGCGGCGGCAGACACCGAGATCCG | probe GALA1 |
| RSp0914B | TCGATCTCGGCTTCAACGCCATCGGCGATGAGGGGCTGCAAGCACTGGCCACCAACACCTCGCTCACCTC | probe GALA1 |
| RSp0914C | AAGCACTGGCTGCCAATCGCAGCCTGACCAAGCTCAATATCAGCCAGAATGACATCCGGTCCGCGGGCGC | probe GALA1 |
| RSp0672 | CGGGAAACCAGGTGGAGCAAGACGGTTACGACAAGACCGCCAACAACATCACCGCGCAAGGGGCCTGGGC | probe GALA2 |
| RSp0672A | GCGCCAAATCGTTCCGGGCGATCGCGTATCTCGCCGGCTTGCCGCTGGAGTCGCTCAATGTGGCGGG | probe GALA2 |
| RSp0672B | GCCGTCGGTGCGGCACCTGGACCTGAGCGGATGCACCGGCTCCGCGGTCTCGGAGGCGGGCCTGGCT | probe GALA2 |
| RSp0672C | CGGAGGCTGGCGGCAAACCGCACGCTCGTCTCGCTGGACCTGCGCGGCAACACCATCGACGTCGCCG | probe GALA2 |
| RSp0028 | CGCCTCGTTGGACGTGGGTGCCAACAAGCTGGACCCCGACAGCTTGCGCATGCTGCTCACGCAGATGAAC | probe GALA3 |
| RSp0028A | TTTCAGTGAATCGGCACGGCCCGGTCGTGCCCCAGGATGTCGGCCCACGGTCGGCTTCAGCGGACGTG | probe GALA3 |
| RSp0028B | GGAAGTCGGCATCCGGCAATTGATCGTCAAGACCCCGGAGGGTCTCGCGGCGGTCAAGCGCCCAGGCAGC | probe GALA3 |
| RSp0028C | TTTCGGTGAATCGGGCCAACCCGGTCATGGCCCAGGATGTCAGCCCACCGCCGGTTCCGGCGGACGCGC | probe GALA3 |
| RSp0028D | TCGACGCCTGAGGGCCTTGCGGCGGTCAAGCGCGCAGGCAACTATCCGGTCCTGAAAGCGCTGACGCTCG | probe GALA3 |
| RSc1800 | CAGGCCCTGGCTGCCAACGATACGCTCGTCACCCTGGATGCCAGCGCCAACTGGATCGGAGACCCGGGCG | probe GALA4 |
| RSc1800A | CGGAGATCTGGACGGAAATCGCGCGCGGCACCAAGCCCGCGGACATGCAAAGCCTGCGCGCCGTCAGCCG | probe GALA4 |
| RSc1800B | GCTCGGGCACTGGCCGCCAGCCAGACGCTCACCCGACTGGACCTGCGCTACAACGAGATCGGGGTCG | probe GALA4 |

Table S2 (continued): Oligonucleotides used in this study

| **CGH microarray probes (continued)** | | |
|---|---|---|
| RSc1800C | GGAGATGTGGATGGAAGTCGCGCTCAAGTCCGAGCCTGCGGCCGTTCAACAGATGCGCGCGGTCAGCAAG | probe GALA4 |
| RSc1800D | CCGCATTCGCGCGCAACAAGAAGCTGACCACCCTCAACGTCAGCAGCAACGGGATCGGGCCGGTGGGGGT | probe GALA4 |
| RSc1801 | GGTGTCGCTCGACCTGCGCAACAACAGGATGGAAGAATCTGGTACGCGAGCGCTGCTGGCCAACCGCACG | probe GALA5 |
| RSc1801A | TTTTGCGCGCGGGCAACTATCCGGCCCTGGAGAAGCTGACGCTTGCCGGCACGTTCACGGACGACGATCT | probe GALA5 |
| RSc1801B | AACACGAAGCTGACCACGCTCGATCTCGGCTACAACGACATCGGCGATGCCGGCGTGCGGGCGTTGAGCG | probe GALA5 |
| RSc1801C | GTCAAGCGCGCCGGCAACTATCCGGCCCTGGAGAAACTCACGCTCGCCGGCGCTTTCACGGACGCTGACT | probe GALA5 |
| RSc1801D | GCACTGGCCGCCAATACGAGGCTGGCATCGCTCGACCTGCGCAACAACCGGATGCTGGAAGCGGGTGTGC | probe GALA5 |
| RSc1356 | GCGCGCAATGTCGTGCTCCAATCTCTCAATCTGAGCTACAACCCCATCGGCTTCTGGGGCGTCAACGCTC | probe GALA6 |
| RSc1356A | GTACCCGGCGCTCAAGAGCGTGCGCTTCAAGGGGGAGCTCACGCTCGAGGCGCTGAAAGCCTTGCCGCCA | probe GALA6 |
| RSc1356B | TCTCGCTCAATCTGCACAACAACGAGATCGGCAACGAGGGCGCGCTGGTGCTGGCTACAAGCCGGACGCT | probe GALA6 |
| RSc1356C | GCGCCAAGGTGCTGGAGGCCAATACCCGGATCACGGGCACGCCGCAGAACCCGAATTTCCTGGCGGAGGA | probe GALA6 |
| RSc1356D | CGGTGCGCAGCAATTGGCGAAAAGCGCCACGTTGACCGAGCTCGACCTGAGCGAGAACCGCATCGGTCCC | probe GALA6 |
| RSc1357 | CGGCGCGACAGCAGGAGCAAGACGAGTTTGACACGACGGCCAACGAAATCACAGAGAACGGGACGCGGGC | probe GALA7 |
| RSc1357A | GGTCAGCACCACCATGAATGATGCCGCCCGATCGAGCCAGACGCACATGCAGGCCTGGAACAAGGCGATG | probe GALA7 |
| RSc1357B | CAAGGCGATGCTCGGCCAACTGCATCGCTATCCCAACCTGCAAAGCCTGCGTCTGCGGGGCGACATCACG | probe GALA7 |
| RSc1357C | ATCTGGCGACCAGCGAGTCGATCCAGACGCTTCGCCTGTGCTGCTGCGGTGTCACCGATCCCGGCATCCA | probe GALA7 |

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 |
| GMI1000_GALA1 | CAD18065 | NA |
| GMI1000_GALA2 | CAD17823 | 91; 228 |
| GMI1000_GALA3 | CAD17179 | 101 |
| GMI1000_GALA4 | CAD15502 | 93 |
| GMI1000_GALA5 | CAD15503 | NA |
| GMI1000_GALA6 | CAD15058 | 97 |
| GMI1000_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 |
| | Psi07[b] | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | MAFF301558 | 0 | 0 | 1 | 1 | 1 | 0 | 1 |
| I | R288 | 0 | 1 | 1 | 1 | 1 | 1 | 0 |
| | PSS219 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | PSS81 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | JT519 | 0 | 1 | 1 | 1 | 1 | 1 | 0 |
| | JT519 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | GMI1000[b] | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | CMR134 | 1 | 1 | 1 | 1 | 1 | 1 | 0 |
| | PSS358 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | PSS190 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| III | CFBP3059 | 0 | 1 | 1 | 1 | 1 | 1 | 0 |
| | CMR15[b] | 0 | 1 | 1 | 1 | 1 | 1 | 0 |
| | CMR32 | 0 | 1 | 1 | 1 | 1 | 1 | 0 |
| | 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 | 0 |
| | CMR39 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| | UW21 | 0 | 1 | 1 | 1 | 1 | 1 | 0 |
| | CFBP2957[b] | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| | CIP301 | 0 | 1 | 1 | 1 | 1 | 1 | 0 |
| | CIP239 | 0 | 1 | 1 | 1 | 1 | 1 | 0 |
| | B34 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| | A3909 | 0 | 1 | 1 | 1 | 0 | 1 | 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 |
| | Molk2[b] | 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 |
| | Ant1121 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| | IPO1609[b] | 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