|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| pGCGi | Control (*N. tabacum* cvXanthi)  1 2 3 | | | Salicylic acid (*N.* *tabacum* cvXanthi)  1 2 3 | | |
| A257 - 20160110_124544.bmp |  |  | A002 - 20160109_131543.bmp |  |  |
| Control (*N. benthamiana*)  1 2 3 | | | Salicylic acid (*N. benthamiana*)  1 2 3 | | |
| A054 - 20160110_103918.bmp |  |  | A048 - 20160110_103739.bmp |  |  |
| pGDD | Control (*N. tabacum* cvXanthi)  1 2 3 | | | Salicylic acid (*N.tabacum* cvXanthi)  1 2 3 | | |
| A318 - 20160110_130527.bmp |  |  | A067 - 20160110_104325.bmp |  |  |
| Control (*N. benthamiana*)  1 2 3 | | | Salicylic acid (*N. benthamiana*)  1 2 3 | | |
| A320 - 20160110_130613.bmp |  |  | A033 - 20160109_133134.bmp |  |  |
| pGFF | Control (*N. tabacum* cvXanthi)  1 2 3 | | | Salicylic acid (*N.* *tabacum* cvXanthi)  1 2 3 | | |
| A128 - 20160110_111611.bmp |  |  | A029 - 20160109_130522.bmp |  |  |
| Control (*N. benthamiana*)  1 2 3 | | | Salicylic acid (*N. benthamiana*)  1 2 3 | | |
| A184 - 20160110_120808.bmp |  |  | A179 - 20160110_120724.bmp |  |  |
| pGFFDD | Control (*N. tabacum* cvXanthi)  1 2 3 | | | Salicylic acid (*N.* *tabacum* cvXanthi)  1 2 3 | | |
| A314 - 20160110_130457.bmp |  |  | D:\promoter analysis project\عکسهای طرح\A224 - 20160110_122436.bmp |  |  |
| Control (*N. benthamiana*)  1 2 3 | | | Salicylic acid (*N. benthamiana*)  1 2 3 | | |
| A028 - 20160109_130450.bmp |  |  |  |  |  |

**Figure S1.** Effects of salicylic acid treatment on pGCGi, pGDD, pGFF and pGFFDD constructs evaluated on two tobacco species; *N. tabacum* cv.Xanthiand *N. benthamiana*. Agro-injected plants without salicylic acid treatment were used as control. Three replications (as shown; 1, 2 and 3) have been provided for each treatment and its related control.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| pGCGi | Control (*N. tabacum* cvXanthi)  1 2 3 | | | Methyl jasmonate (*N.* *tabacum* cvXanthi)  1 2 3 | | |
| pCaB.bmp |  |  | A247 - 20160110_124252.bmp |  |  |
| Control (*N. benthamiana*)  1 2 3 | | | Methyl jasmonate (*N. benthamiana*)  1 2 3 | | |
| A063 - 20160110_104117.bmp |  |  | A038 - 20160110_102712.bmp |  |  |
| pGDD | Control (*N. tabacum* cvXanthi)  1 2 3 | | | Methyl jasmonate (*N.* *tabacum* cvXanthi)  1 2 3 | | |
| D680 - 20150526_224325.bmp |  |  | A091 - 20160110_105115.bmp |  |  |
| Control (*N. benthamiana*)  1 2 3 | | | Methyl jasmonate (*N. benthamiana*)  1 2 3 | | |
| A121 - 20160110_111440.bmp |  |  | A115 - 20160110_111243.bmp |  |  |
| pGFF | Control (*N. tabacum* cvXanthi)  1 2 3 | | | Methyl jasmonate (*N.* *tabacum* cvXanthi)  1 2 3 | | |
| A277 - 20160110_125314.bmp |  |  | A034 - 20160110_102550.bmp |  |  |
| Control (*N. benthamiana*)  1 2 3 | | | Methyl jasmonate (*N. benthamiana*)  1 2 3 | | |
| A302 - 20160110_125911.bmp |  |  | A238 - 20160110_124030.bmp |  |  |
| pGFFDD | Control (*N. tabacum* cvXanthi)  1 2 3 | | | Methyl jasmonate (*N.* *tabacum* cvXanthi)  1 2 3 | | |
| A305 - 20160110_130134.bmp |  |  | A047 - 20160109_121917.bmp |  |  |
| Control (*N. benthamiana*)  1 2 3 | | | Methyl jasmonate (*N. benthamiana*)  1 2 3 | | |
| A292 - 20160110_125659.bmp |  |  | A056 - 20160109_122534.bmp |  |  |

**Figure S2.** Effect of methyl jasmonate treatment on pGCGi, pGDD, pGFF and pGFFDD constructs evaluated on two tobacco species; *N. tabacum* cv.Xanthiand *N. benthamiana*. Agro-injected plants without methyl jasmonate treatment were used as control. Three replications (as shown; 1, 2 and 3) have been provided for each treatment and its related control.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| pGCGi | Control (*N. tabacum* cvXanthi)  1 2 3 | | | ASR009 (*N.* *tabacum* cvXanthi)  1 2 3 | | |
| 3222.jpg |  |  | 3419.jpg |  |  |
| Control (*N. benthamiana*)  1 2 3 | | | ASR009 (*N. benthamiana*)  1 2 3 | | |
| 3416.jpg |  |  | 3694.jpg |  |  |
| pGDD | Control (*N. tabacum* cvXanthi)  1 2 3 | | | ASR009 (*N.* *tabacum* cvXanthi)  1 2 3 | | |
| 3172.jpg |  |  | 383.jpg |  |  |
| Control (*N. benthamiana*)  1 2 3 | | | ASR009 (*N. benthamiana*)  1 2 3 | | |
| 3742.jpg |  |  | 341.jpg |  |  |
| pGFF | Control (*N. tabacum* cvXanthi)  1 2 3 | | | ASR009 (*N.* *tabacum* cvXanthi)  1 2 3 | | |
| 3175.jpg |  |  | 3376.jpg |  |  |
| Control (*N. benthamiana*)  1 2 3 | | | ASR009 (*N. benthamiana*)  1 2 3 | | |
| 3821.jpg |  |  | D:\promoter analysis project\pics 941110\3655.jpg |  |  |
| pGFFDD | Control (*N. tabacum* cvXanthi)  1 2 3 | | | ASR009 (*N.* *tabacum* cvXanthi)  1 2 3 | | |
| 3180.jpg |  |  | 3129.jpg |  |  |
| Control (*N. benthamiana*)  1 2 3 | | | ASR009 (*N. benthamiana*)  1 2 3 | | |
| 3737.jpg |  |  | D:\promoter analysis project\pics 941110\37.jpg |  |  |

**Figure S3.** Effect of *Ascochyta rabiei* pathotype ASR009 on pGCGi, pGDD, pGFF and pGFFDD constructs evaluated on two tobacco species; *N. tabacum* cv.Xanthiand *N. benthamiana*. Agro-injected plants without treatment by fungal elicitor used as control. Three replications (as shown; 1, 2 and 3) have been provided for each treatment and its related control.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| pGCGi | Control (*N. tabacum* cvXanthi)  1 2 3 | | | ASR003 (*N.* *tabacum* cvXanthi)  1 2 3 | | |
| D:\promoter analysis project\pics 941110\3396.jpg |  |  | 3190.jpg |  |  |
| Control (*N. benthamiana*)  1 2 3 | | | ASR003 (*N. benthamiana*)  1 2 3 | | |
| D:\promoter analysis project\pics 941110\3378.jpg |  |  | D:\promoter analysis project\pics 941110\3716.jpg |  |  |
| pGDD | Control (*N. tabacum* cvXanthi)  1 2 3 | | | ASR003 (*N.* *tabacum* cvXanthi)  1 2 3 | | |
| D:\promoter analysis project\pics 941110\3798.jpg |  |  | D:\promoter analysis project\pics 941110\350.jpg |  |  |
| Control (*N. benthamiana*)  1 2 3 | | | ASR003 (*N. benthamiana*)  1 2 3 | | |
| D:\promoter analysis project\pics 941110\3170.jpg |  |  | D:\promoter analysis project\pics 941110\342.jpg |  |  |
| pGFF | Control (*N. tabacum* cvXanthi)  1 2 3 | | | ASR003 (*N.* *tabacum* cvXanthi)  1 2 3 | | |
| D:\promoter analysis project\pics 941110\3768.jpg |  |  | D:\promoter analysis project\pics 941110\2.jpg |  |  |
| Control (*N. benthamiana*)  1 2 3 | | | ASR003 (*N. benthamiana*)  1 2 3 | | |
| D:\promoter analysis project\pics 941110\3774.jpg |  |  | D:\promoter analysis project\pics 941110\3124.jpg |  |  |
| pGFFDD | Control (*N. tabacum* cvXanthi)  1 2 3 | | | ASR003 (*N.* *tabacum* cvXanthi)  1 2 3 | | |
| D:\promoter analysis project\pics 941110\3806.jpg |  |  | D:\promoter analysis project\pics 941110\3295.jpg |  |  |
| Control (*N. benthamiana*)  1 2 3 | | | ASR003 (*N. benthamiana*)  1 2 3 | | |
| D:\promoter analysis project\pics 941110\3778.jpg |  |  | D:\promoter analysis project\pics 941110\3368.jpg |  |  |

**Figure S4.** Effect of *Ascochyta rabiei* pathotype ASR003 on pGCGi, pGDD, pGFF and pGFFDD constructs evaluated on two tobacco species; *N. tabacum* cv.Xanthiand *N. benthamiana*. Agro-injected plants without treatment by fungal elicitor used as control. Three replications (as shown; 1, 2 and 3) have been provided for each treatment and its related control.