

| Number of consensus motif Hits (2kb upstream) |                 | TTCCCCGC      |               |               |                |               |
|---|-----------------|---------------|---------------|---------------|----------------|---------------|
|   |                 | ccTTCCCCGCcg  | ttTTCCCCGCgc  | gaTTCCCCGCaa  | agTTCCCCGCtt   | tcTTCCCCGCcc  |
|   | Complete genome | 68            | 7             | 7             | 6              | 9             |
| Tolerant                                      | Up regulated    | 0             | 0             | 0             | 0              | 0             |
|   | Down regulated  | 0             | 0             | 0             | 0              | 0             |
| Susceptible                                   | Up regulated    | 0             | 0             | 0             | 0              | 0             |
|   | Down regulated  | 0             | 0             | 0             | 0              | 0             |
|   |                 |               |               |               |                |               |
| Number of consensus motif Hits (2kb upstream) |                 | GCCGACACA     |               |               |                |               |
|   |                 | caGCCGACACAag | agGCCGACACAgc | ttGCCGACACAta | gcGCCGACACAact | cgGCCGACACAag |
|   | Complete genome | 1             | 2             | 3             | 0              | 0             |
| Tolerant                                      | Up regulated    | 0             | 0             | 0             | 0              | 0             |
|   | Down regulated  | 0             | 0             | 0             | 0              | 0             |
| Susceptible                                   | Up regulated    | 0             | 0             | 0             | 0              | 0             |
|   | Down regulated  | 0             | 0             | 0             | 0              | 0             |
|   |                 |               |               |               |                |               |
| Number of consensus motif Hits (2kb upstream) |                 | GTAATGATT     |               |               |                |               |
|   |                 | atGTAATGATTtt | taGTAATGATTaa | ggGTAATGATTcg | ccGTAATGATTgc  | aaGTAATGATTtt |
|   | Complete genome | 12            | 8             | 2             | 0              | 11            |
| Tolerant                                      | Up regulated    | 0             | 0             | 0             | 0              | 0             |
|   | Down regulated  | 0             | 0             | 0             | 0              | 0             |
| Susceptible                                   | Up regulated    | 0             | 0             | 0             | 0              | 0             |
|   | Down regulated  | 0             | 0             | 0             | 0              | 0             |
|   |                 |               |               |               |                |               |
|   |                 |               |               |               |                |               |
|   |                 |               |               |               |                |               |

| Number of consensus motif Hits (2kb upstream) |                 | CACTTG      |             |             |             |             |
|---|-----------------|-------------|-------------|-------------|-------------|-------------|
|   |                 | ttCCAATTGtc | aaCCAATTGct | ccCCAATTGaa | ggCCAATTGgg | ttCCAATTGtt |
|   | Complete genome | 60          | 71          | 33          | 38          | 81          |
| Tolerant                                      | Up regulated    | 5           | 2           | 2           | 0           | 4           |
|   | Down regulated  | 5           | 6           | 4           | 3           | 8           |
| Susceptible                                   | Up regulated    | 8           | 4           | 4           | 4           | 9           |
|   | Down regulated  | 7           | 5           | 2           | 5           | 9           |
|   |                 |             |             |             |             |             |
|   |                 |             |             |             |             |             |
| Number of consensus motif Hits (2kb upstream) |                 | TCATTA      |             |             |             |             |
|   |                 | atATCATTAtt | tcATCATTAaa | caATCATTAGc | ggATCATTAcg | ttATCATTAat |
|   | Complete genome | 281         | 91          | 49          | 8           | 186         |
| Tolerant                                      | Up regulated    | 20          | 4           | 2           | 0           | 8           |
|   | Down regulated  | 27          | 4           | 3           | 2           | 11          |
| Susceptible                                   | Up regulated    | 27          | 9           | 3           | 1           | 17          |
|   | Down regulated  | 24          | 6           | 6           | 2           | 9           |
|   |                 |             |             |             |             |             |
| Number of consensus motif Hits (2kb upstream) |                 | TAGAA       |             |             |             |             |
|   |                 | taTAGAAaa   | atTAGAAtt   | gcTAGAAgc   | cgTAGAAcg   | taTAGAAat   |
|   | Complete genome | 5173        | 1800        | 639         | 166         | 4675        |
| Tolerant                                      | Up regulated    | 316         | 83          | 38          | 6           | 183         |
|   | Down regulated  | 280         | 107         | 42          | 13          | 190         |
| Susceptible                                   | Up regulated    | 384         | 137         | 46          | 19          | 236         |
|   | Down regulated  | 237         | 113         | 37          | 5           | 207         |
|   |                 |             |             |             |             |             |

| Number of consensus motif Hits (2kb upstream) |                 | CACGTG     |            |            |            |            |
|---|-----------------|------------|------------|------------|------------|------------|
|   |                 | gcCACGTGgc | caCACGTGtg | tgCACGTGca | atCACGTGat | gcCACGTGgg |
|   | Complete genome | 544        | 60         | 155        | 84         | 647        |
| Tolerant                                      | Up regulated    | 34         | 3          | 3          | 5          | 55         |
|   | Down regulated  | 24         | 6          | 9          | 6          | 30         |
| Susceptible                                   | Up regulated    | 43         | 5          | 14         | 16         | 62         |
|   | Down regulated  | 20         | 6          | 13         | 1          | 36         |
|   |                 |            |            |            |            |            |
|   |                 |            |            |            |            |            |
| Number of consensus motif Hits (2kb upstream) |                 | CGCC       |            |            |            |            |
|   |                 | gcCGCCgc   | ctCGCCat   | agCGCCcg   | taCGCCta   | gtCGCCgc   |
|   | Complete genome | 31288      | 2746       | 1289       | 780        | 8385       |
| Tolerant                                      | Up regulated    | 811        | 183        | 64         | 82         | 338        |
|   | Down regulated  | 689        | 142        | 79         | 49         | 299        |
| Susceptible                                   | Up regulated    | 1075       | 239        | 95         | 69         | 508        |
|   | Down regulated  | 655        | 119        | 78         | 44         | 291        |