

| <b>Supplementary Table S19 Quarterly number of holes/grain in un-infested plasma treated Vijay cultivar</b> |                |                |                |
|-------------------------------------------------------------------------------------------------------------|----------------|----------------|----------------|
| Vijay 40 W /Month                                                                                           | 40 W , 10 min. | 40 W , 15 min. | 40 W , 20 min. |
| 3                                                                                                           | 0              | 0              | 0              |
| 6                                                                                                           | 0              | 0              | 0              |
| 9                                                                                                           | 0              | 0              | 0              |
| 12                                                                                                          | 0              | 0              | 0              |
| 15                                                                                                          | 0              | 0              | 0              |
| 18                                                                                                          | 0              | 0              | 0              |
| 21                                                                                                          | 0              | 0              | 0              |
| 24                                                                                                          | 0              | 0              | 0              |
| 27                                                                                                          | 0              | 0              | 0              |
| 30                                                                                                          | 0              | 0              | 0              |
| 36                                                                                                          | 0              | 0              | 0              |
| 39                                                                                                          | 0              | 0              | 0              |
| 42                                                                                                          | 0              | 0              | 0              |
| 45                                                                                                          | 0              | 0              | 0              |
| 48                                                                                                          | 0              | 0              | 0              |
| 51                                                                                                          | 0              | 0              | 0              |
| 54                                                                                                          | 0              | 0              | 0              |
| 57                                                                                                          | 0              | 0              | 0              |
| 60                                                                                                          | 0              | 0              | 0              |

| <b>Supplementary Table S19 Quarterly number of holes/grain in un-infested plasma treated Vijay cultivar</b> |                |                |                |
|-------------------------------------------------------------------------------------------------------------|----------------|----------------|----------------|
| Vijay 50 W /Month                                                                                           | 50 W , 10 min. | 50 W , 15 min. | 50 W , 20 min. |
| 3                                                                                                           | 0              | 0              | 0              |
| 6                                                                                                           | 0              | 0              | 0              |
| 9                                                                                                           | 0              | 0              | 0              |
| 12                                                                                                          | 0              | 0              | 0              |
| 15                                                                                                          | 0              | 0              | 0              |
| 18                                                                                                          | 0              | 0              | 0              |
| 21                                                                                                          | 0              | 0              | 0              |
| 24                                                                                                          | 0              | 0              | 0              |
| 27                                                                                                          | 0              | 0              | 0              |
| 30                                                                                                          | 0              | 0              | 0              |
| 36                                                                                                          | 0              | 0              | 0              |
| 39                                                                                                          | 0              | 0              | 0              |
| 42                                                                                                          | 0              | 0              | 0              |
| 45                                                                                                          | 0              | 0              | 0              |
| 48                                                                                                          | 0              | 0              | 0              |
| 51                                                                                                          | 0              | 0              | 0              |
| 54                                                                                                          | 0              | 0              | 0              |
| 57                                                                                                          | 0              | 0              | 0              |
| 60                                                                                                          | 0              | 0              | 0              |

| <b>Supplementary Table S19 Quarterly number of holes/grain in un-infested plasma treated Vijay cultivar</b> |                |                |                |
|-------------------------------------------------------------------------------------------------------------|----------------|----------------|----------------|
| Vijay 60 W /Month                                                                                           | 60 W , 10 min. | 60 W , 15 min. | 60 W , 20 min. |
| 3                                                                                                           | 0              | 0              | 0              |
| 6                                                                                                           | 0              | 0              | 0              |
| 9                                                                                                           | 0              | 0              | 0              |
| 12                                                                                                          | 0              | 0              | 0              |
| 15                                                                                                          | 0              | 0              | 0              |
| 18                                                                                                          | 0              | 0              | 0              |
| 21                                                                                                          | 0              | 0              | 0              |
| 24                                                                                                          | 0              | 0              | 0              |
| 27                                                                                                          | 0              | 0              | 0              |
| 30                                                                                                          | 0              | 0              | 0              |
| 36                                                                                                          | 0              | 0              | 0              |
| 39                                                                                                          | 0              | 0              | 0              |
| 42                                                                                                          | 0              | 0              | 0              |
| 45                                                                                                          | 0              | 0              | 0              |
| 48                                                                                                          | 0              | 0              | 0              |
| 51                                                                                                          | 0              | 0              | 0              |
| 54                                                                                                          | 0              | 0              | 0              |
| 57                                                                                                          | 0              | 0              | 0              |
| 60                                                                                                          | 0              | 0              | 0              |