

| <b>Supplementary Table S20 Quarterly Chickpea grain weight loss (%) in un-infested plasma treated Vijay cultivar</b> |                       |                       |                       |
|----------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|
| <b>Vijay 40 W /Month</b>                                                                                             | <b>40 W , 10 min.</b> | <b>40 W , 15 min.</b> | <b>40 W , 20 min.</b> |
| 3                                                                                                                    | 0.46                  | 0.45                  | 0.41                  |
| 6                                                                                                                    | 0.86                  | 0.88                  | 0.82                  |
| 9                                                                                                                    | 1.23                  | 1.18                  | 1.25                  |
| 12                                                                                                                   | 1.73                  | 1.51                  | 1.52                  |
| 15                                                                                                                   | 2.1                   | 1.65                  | 1.75                  |
| 18                                                                                                                   | 2.43                  | 1.88                  | 2.07                  |
| 21                                                                                                                   | 2.67                  | 2.2                   | 2.55                  |
| 24                                                                                                                   | 2.83                  | 2.39                  | 3.04                  |
| 27                                                                                                                   | 3.18                  | 2.64                  | 3.42                  |
| 30                                                                                                                   | 3.49                  | 3.2                   | 3.71                  |
| 36                                                                                                                   | 3.72                  | 3.75                  | 4.13                  |
| 39                                                                                                                   | 4.35                  | 4.15                  | 4.35                  |
| 42                                                                                                                   | 4.82                  | 4.68                  | 4.59                  |
| 45                                                                                                                   | 5.78                  | 5.33                  | 5.06                  |
| 48                                                                                                                   | 6.2                   | 5.84                  | 5.79                  |
| 51                                                                                                                   | 6.69                  | 6.32                  | 6.4                   |
| 54                                                                                                                   | 7.48                  | 6.83                  | 7.14                  |
| 57                                                                                                                   | 7.78                  | 7.78                  | 7.54                  |
| 60                                                                                                                   | 8.99                  | 8.96                  | 8                     |

| <b>Supplementary Table S20 Quarterly Chickpea grain weight loss (%) in un-infested plasma treated Vijay cultivar</b> |                       |                       |                       |
|----------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|
| <b>Vijay 50 W /Month</b>                                                                                             | <b>50 W , 10 min.</b> | <b>50 W , 15 min.</b> | <b>50 W , 20 min.</b> |
| 3                                                                                                                    | 0.39                  | 0.43                  | 0.45                  |
| 6                                                                                                                    | 0.82                  | 0.89                  | 0.91                  |
| 9                                                                                                                    | 1.16                  | 1.54                  | 1.33                  |
| 12                                                                                                                   | 1.49                  | 1.98                  | 1.54                  |
| 15                                                                                                                   | 1.85                  | 2.43                  | 1.73                  |
| 18                                                                                                                   | 2.13                  | 2.64                  | 2.17                  |
| 21                                                                                                                   | 2.48                  | 2.83                  | 2.64                  |
| 24                                                                                                                   | 2.78                  | 3.36                  | 3.08                  |
| 27                                                                                                                   | 3.14                  | 3.69                  | 3.49                  |
| 30                                                                                                                   | 3.55                  | 3.85                  | 3.68                  |
| 36                                                                                                                   | 3.93                  | 4.31                  | 4.07                  |
| 39                                                                                                                   | 4.5                   | 5.1                   | 4.57                  |
| 42                                                                                                                   | 4.9                   | 5.35                  | 5.12                  |
| 45                                                                                                                   | 5.61                  | 5.56                  | 5.39                  |
| 48                                                                                                                   | 6.17                  | 6.23                  | 5.66                  |
| 51                                                                                                                   | 6.68                  | 6.79                  | 6.21                  |
| 54                                                                                                                   | 7.43                  | 7.36                  | 6.75                  |
| 57                                                                                                                   | 7.9                   | 7.99                  | 7.24                  |
| 60                                                                                                                   | 8.31                  | 8.87                  | 7.87                  |

| <b>Supplementary Table S20 Quarterly Chickpea grain weight loss (%) in un-infested plasma treated Vijay cultivar</b> |                       |                       |                       |
|----------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|
| <b>Vijay 60 W /Month</b>                                                                                             | <b>60 W , 10 min.</b> | <b>60 W , 15 min.</b> | <b>60 W , 20 min.</b> |
| 3                                                                                                                    | 0.44                  | 0.59                  | 0.5                   |
| 6                                                                                                                    | 0.79                  | 1.04                  | 0.63                  |
| 9                                                                                                                    | 1.34                  | 1.44                  | 0.84                  |
| 12                                                                                                                   | 1.68                  | 1.9                   | 1.21                  |
| 15                                                                                                                   | 2.13                  | 2.37                  | 1.64                  |
| 18                                                                                                                   | 2.59                  | 2.86                  | 1.98                  |
| 21                                                                                                                   | 2.78                  | 3.21                  | 2.38                  |
| 24                                                                                                                   | 3                     | 3.62                  | 2.83                  |
| 27                                                                                                                   | 3.41                  | 3.79                  | 3.26                  |
| 30                                                                                                                   | 3.69                  | 4.04                  | 3.6                   |
| 36                                                                                                                   | 3.98                  | 4.48                  | 3.79                  |
| 39                                                                                                                   | 4.36                  | 4.72                  | 4.01                  |
| 42                                                                                                                   | 5.01                  | 4.9                   | 4.44                  |
| 45                                                                                                                   | 5.54                  | 5.33                  | 4.82                  |
| 48                                                                                                                   | 6.04                  | 5.71                  | 5.34                  |
| 51                                                                                                                   | 6.49                  | 6.43                  | 5.83                  |
| 54                                                                                                                   | 7.4                   | 6.88                  | 6.12                  |
| 57                                                                                                                   | 8.02                  | 7.04                  | 7.02                  |
| 60                                                                                                                   | 8.88                  | 7.79                  | 7.83                  |