

**Additional file 4: Table S2.** Comparison of values of life-table parameters in tolerant and control larvae, emerging adults and the progeny from these adults (F1)

| <b>Comparison of life table parameters</b> |                                       |                                            |                |
|--------------------------------------------|---------------------------------------|--------------------------------------------|----------------|
| <b>Trait</b>                               | <b>control larvae</b>                 | <b>Bti-tolerant larvae</b>                 | <b>p-value</b> |
| Adult emergence                            | 73±5.94                               | 45±1.34                                    | 0.0153         |
|                                            | <b>adults from control larvae</b>     | <b>adults from Bti-tolerant larvae</b>     |                |
| Female longevity *                         | 24±1.2                                | 10±0.6                                     | ≤0.0001        |
| Male longevity *                           | 20±0.96                               | 9±0.47                                     | ≤0.0001        |
| Blood feeding rate                         | 35.65±4.28                            | 37.39±5.68                                 | 0.838          |
| Percentage of sterile females              | 7.07±4.97                             | 5.538±2.3                                  | 0.302          |
| Fecundity                                  | 74.33±4.01                            | 54.0±2.77                                  | 0.019          |
| Hatching rate                              | 68.61±11.7                            | 57.46±12.41                                | 0.309          |
| Fertility                                  | 53.54±4.34                            | 61.32±3.28                                 | 0.223          |
| percentage of non viable eggs              | 12.33±5.173                           | 5.185±3.47                                 | 0.783          |
| Number of larvae per female                | 39.42±3.61                            | 33.76±2.51                                 | 0.188          |
|                                            | <b>F1 progeny from control larvae</b> | <b>F1 progeny from Bti-tolerant larvae</b> |                |
| Larval developmental time                  | 6.39±3.42                             | 6.98±1.51                                  | 0.989          |
| Pupation rate                              | 70.10±8.98                            | 81.12±12.33                                | 0.179          |
| Pupa developmental time                    | 2.95±1.82                             | 2.62±0.76                                  | 0.999          |
| sex ratio                                  | 42.74±6.31                            | 44.51±8.05                                 | 0.589          |
| Eggs to adult viability                    | 33.92±2.90                            | 42.59±11.48                                | 0.309          |
| Male developmental speed                   | 9.88±2.71                             | 10.08±1.87                                 | 0.999          |
| Female developmental speed                 | 8.77±3.96                             | 10.08±1.66                                 | 0.999          |