**Supplementary materials**

Table S1. Results (P values) of statistical analysis (permutation test) on population growth rate (λ), and individual fitness (λ(*S*))

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Bt-maize F1 vs. near-isogenic F1 | Bt-maize F2 vs. near-isogenic F2 | Bt-maize F1 vs. Bt-maize F2 | Near-isogenic F1 vs. near-isogenic F2 | Maize genotype × generation interaction |
| Population growth rate (λ) | P = 0.320 | P = 0.555 | P = 0.083 | P = 0.920 | P = 0.290 |
| Individual fitness (λ(*S*)) | P = 0.182 | P = 0.233 | P = 0.143 | P = 0.340 | P = 0.083 |

 

 



**Figure S1**. Plotted generation × replicate interaction (a-e) for the biological traits of *Rhopalosiphum maidis* reared on near-isogenic and Bt-maize plants.





**Figure S2**. Plotted maize genotype × generation × replicate interaction for the biological parameters development time a) and pre-reproductive time b) of *Rhopalosiphum maidis* reared on near-isogenic and Bt-maize plants.



**b**

**a**

 

**d**

**c**

**Figure S3**. Comparison of free and bound phenolic content among replicates (a, b) and their interactions (c, d). Values expressed as milligrams of gallic acid equivalent (GAE) per 100 g of dry weight.