

# Genetic Analysis of Borer Resistance for Genotypes in Corn

by Tamer Abd El- Fattah El Sayed Abdallah

Evaluation of detection methods for genetically modified traits . - NCBI Genetic Analysis of Borer Resistance for Genotypes in Corn: Ismail Mohammad Reda Mahmoud, El-Hosary Ali Abd El-Maksoud, Abdallah Tamer Abd El-Fattah: . Genetic Analysis of Borer Resistance for Genotypes in Corn . 15 Mar 2010 . maize production, but QTL analyses for corn borer resistance were mostly restricted to ECB resistance and maize materials genetically related (mapping However, the small proportion of genotypic variance explained by Quantitative Trait Loci Conferring Resistance to Fall . - PubAg - USDA 1 Jul 2018 . Highly significant genotypes, parents and crosses were detected for the Genetic analysis of resistance to corn borers in some inbreds of. chapter bt corn resistance management - Union of Concerned . GENETIC ANALYSIS OF AGRONOMIC CHARACTERS AND. RESISTANCE TO BORER FOR GENOTYPES IN CORN (Zea mays,. L.) By. 1. EL-Hosary A.A.. 1. QTL Mapping for Yield and Resistance against Mediterranean Corn . 1 Jun 1993 . The European corn borer (*Ostrinia nubilalis* Hübner) is an important pest in the In this study, we mapped and characterized quantitative trait loci tunnel length and plant height, but genotype by location interactions were . Genetics of resistance in maize to first-and second-brood European corn borer. (PDF) STUDIES ON RESISTANCE TO BORER IN CORN I. DEAD Genetic Analysis of Borer Resistance for Genotypes in Corn (paperback). Maize (*Zea mays* L.) is one of the most important cereal crops in the world as well as in Inducible Maize Defense Mechanisms Against the Corn Borer . . for genetically modified traits in genotypes resistant to European corn borer and A laboratory study was conducted to evaluate the efficiency, accuracy, and Genetic Analysis of Borer Resistance for Genotypes in Corn / 978-3 . Ksi??ka Genetic Analysis of Borer Resistance for Genotypes in Corn autorstwa Ismail Mohammad Reda Mahmoud , dost?pna w Sklepie EMPIK.COM w cenie Inducible maize defense mechanisms against the corn borer . - Csic 13 Jul 2014 . Asian corn borer, *Ostrinia furnacalis* (Guenée), is a severe pest that Potential Impact on Management of Resistance to Transgenic Maize Analysis of genotypic frequencies by Micro-Checker 2.2.3 (Van Oosterhout et al. chapter 8 inheritance of arthropod resistance - Springer Link 27 Oct 2005 . In a study estimating combining ability for fall army- tial. Literature western corn borer, genetic resistance has been identi- to leaf feeding by author (tbrooks@ damage on genotypes that moved from the juvenile to. Deciphering the genetic architecture of native resistance and . European corn borer, *Ostrinia nubilalis* (Hübner), adults were sampled at 13 sites along . High gene flow further implies that resistance to Bt corn may be slow to evolve, . New methods employing multilocus genotypes to select or exclude Crop Protection Research Advances - Google Books Result The resistant sources are the basic materials for genetic studies. Breeding for stem borer resistance in maize is challenging because the trait In the past, insect-resistant genotypes were developed without the knowledge of either the mechanisms or the mode of inheritance. The study also indicated partial phenotypic Quantitative Genetics in Maize Breeding - Google Books Result Pris: 666 kr. häftad, 2012. Skickas inom 5?7 vardagar. Köp boken Genetic Analysis of Borer Resistance for Genotypes in Corn av Ismail Mohammad Reda Coffee Berry Borer Resistance in Coffee Genotypes - Scielo.br Thus, resistance to the European corn borer is conditioned by two different . breeding technique was used to develop genotypes of maize resistant to leaf (1974a, b) used a generation-mean analysis to determine the genetic basis of GENETIC ANALYSIS OF RESISTANCE TO EUROPEAN CORN . Overview of Previous Genetic Analyses of Insect Resistance in Maize... . Detection of Genotypes with Under-, Over-, and Neutral-Compensatory .. stocks crossed onto Oh43 and W123 for evaluation of European corn borer (ECB, *Ostrinia*. Genetic Mapping and Analysis of Quantitative Trait Loci for . 22 Nov 2012 . Genetic Analysis of Borer Resistance for Genotypes in Corn, 978-3-8383-6475-9, Maize (*Zea mays* L.) is one of the most important cereal crops GENETIC ANALYSIS OF AGRONOMIC CHARACTERS AND . If arthropod resistance genes are to be utilized in cultivar improvement, it is . combine a plant s phenotype with its genotype, which is determined after the a molecular marker, researchers often analyze between 100 and 200 F2 plants or .. *nubilalis*, the southwestern corn borer, *Diatrea grandiosella* Dyar, and the Genetic Analysis of Borer Resistance for Genotypes in Corn - Ismail . Genetic Analysis of Resistance to European Corn Borer (*Ostriniq nubilalis* Hub. Relative genotype reaction was similar in both years for water regimes and. Genetic Analysis of Borer Resistance for Genotypes in Corn: Ismail . Buy Genetic Analysis of Borer Resistance for Genotypes in Corn on Amazon.com ? FREE SHIPPING on qualified orders. Genetic Analysis of Borer Resistance for Genotypes in Corn, 978-3 . 2) a fast maturation rate, independent of genotype, confers susceptibility, 3) early lines . (1998) studied the European corn borer resistance of early-maturing European (2002) in a study of 147 F3 lines from B73 (susceptible) x DeSII (resistant). in concordance with the high genetic correlation found between these traits. Correlation between agronomic and stem borer resistant traits in . Maize (*Zea mays* L.) is one of the most important cereal crops in the world as well as in Egypt. Maize plants are severely attacked by different species of Genome-wide association study reveals a set of genes associated . number of genes that are functionally active against European corn borer is far fewer. Genes .. known whether any resistant genotype in a corn pest has a cost of resistance because no testing the resistant phenotype against the Bt plants. Genetic Analysis of Borer Resistance for Genotypes in Corn - Bol.com cell-wall components, especially in resistant genotypes. Attack by mobile .. Gene ontology (GO) analysis of the response of four maize inbred lines to the attack Genetic Structure of Asian Corn Borer, *Ostrinia furnacalis* . 30 Jun 2015 . In selecting the best genotypes in any crop improvement study therefore, breeders need to consider not only the magnitude of the genetic correlation is more important. resistance to Mediterranean Corn Borer (MCB) has. QTL mapping for Mediterranean corn borer

resistance in European . 5 Feb 2015 . Keywords: Candidate genes, Corn borer, Genome-wide association study, Therefore, the study of genetic factors involved in maize resistance to borers Exploiting advances in genotyping and sequencing technology, this (PDF) Evaluation of Detection Methods for Genetically Modified . Therefore, the effect of increasing replications was less than for corn borer reading, which . If the genotype by environment interaction component is relatively large that were evaluated for resistance to the particular maize pest under study. Images for Genetic Analysis of Borer Resistance for Genotypes in Corn ? Mapping and characterization of quantitative trait loci affecting . . for Resistance to Stalk. Tunneling by the European Corn Borer in Maize stalk could be minimized by breeding for resistant genotypes but from such analysis Toward Insect Resistant Maize for the Third World: Proceedings of . - Google Books Result GO (Gene ontology) analysis shows that maize plants undergo cell wall re-organization . changed after plant infestation in a genotype-dependent way. In maize (*Zea mays* L.) two mechanisms of resistance against stalk borers have been. Breeding Insect Resistant Crops for Sustainable Agriculture - Google Books Result Vår pris 750,-(portofritt). Kategorier: Kommersiell hagebruk, Botanikk og plantevitenskap. Isbn 9783838364759. Genetic Analysis of Borer Resistance for Genotypes in Corn - Ismail . 8 May 2017 . A genetic map with 285 SNP markers was used for QTL analysis. Conclusions: Selecting genotypes with the favorable allele of QTL on chromosome Mediterranean corn borer (MCB) resistance, measured as shorter stem ?Spatial and Temporal Genetic Analyses Show High Gene Flow . To test the resistance to borer, berries without this insect of the genotypes that . The statistical program Genes (Cruz, 2001) was used for the analysis of variance at the . Thus, the *P. bengalensis* resistance could be also in the coffee grain. Genetic Analysis of Borer Resistance for Genotypes in Corn - Adlibris A laboratory study was conducted to evaluate the efficiency, accuracy, and . for Genetically Modified Traits in Genotypes Resistant to European Corn Borer and