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EDITED AND REVIEWED BY
Salvatore Arpaia,
Energy and Sustainable Economic
Development (ENEA), Italy

*CORRESPONDENCE
Nikita V. Gal'chinsky
✉ pcr.product@gmail.com

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Corrigendum: Contact unmodified antisense DNA (CUAD) biotechnology: list of pest species successfully targeted by oligonucleotide insecticides

Vladimir V. Oberemok, Kateryna V. Laikova
and Nikita V. Gal'chinsky*

Department of Molecular Genetics and Biotechnologies, Institute of Biochemical Technologies,
Ecology and Pharmacy, V.I. Vernadsky Crimean Federal University, Simferopol, Republic of Crimea

KEYWORDS

CUAD (contact unmodified antisense DNA) biotechnology, oligonucleotide insecticides, ribosomal RNAs, rRNA hypercompensation, DNA containment mechanism, avoidance of target-site resistance, plant protection

A Corrigendum on

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In the published article, there was an error in the oligonucleotide sequence in the section *Unaspis euonymi* (Comstock, 1881). The text previously stated:

“The oligonucleotide insecticide oligoUE-11 (5'-ATA-CCG-ACG-AT-3') targeting the 28S rRNA at a concentration of 100 ng/μL leads to a 99.24% ± 1.32% mortality rate of the euonymous scale larvae on the 10th day (Gal'chinsky et al., 2020; Oberemok et al., 2020).”

The corrected sentence appears below:

“The oligonucleotide insecticide oligoUE-11 (5'-AGA-CCG-ACG-AC-3') targeting the 28S rRNA at a concentration of 100 ng/μL leads to a 99.24% ± 1.32% mortality rate of the euonymous scale larvae on the 10th day (Gal'chinsky et al., 2020; Oberemok et al., 2020).”

There was also an error in the oligonucleotide sequence in the section *Coccus hesperidum* (Linnaeus, 1758). The text previously stated:

“The oligonucleotide insecticide Coccus-11 (5'-CGA-CCG-ACG-AA-3') targeting the 28S rRNA at a concentration of 100 ng/μL leads to a 95.59% ± 1.63% mortality rate of *C. hesperidum* larvae on the 12th day (Oberemok et al., 2022).”

The corrected sentence appears below:

“The oligonucleotide insecticide Coccus-11 (5'-CCA-TCT-TTC-GG-3') targeting the 28S rRNA at a concentration of 100 ng/μL leads to a 95.59% ± 1.63% mortality rate of *C. hesperidum* larvae on the 12th day (Oberemok et al., 2022).”

The authors apologize for these errors and state that they do not change the scientific conclusions of the article in any way. The original article has been updated.

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