

A more efficient breeding against infestation with beet cyst nematode, or the development of new resistant lines, is enabled via the provision of the Heterodera resistance-mediating nucleic acid molecule according to the invention; in particular, a dominant resistance effect in the target plant is evoked by the property of the identified nucleic acid molecule. The Heterodera resistance-mediating nucleic acid molecule, and embodiments of the present invention that are described in the preceding, offer additional applications, e.g., the use of the resistant gene allele in cis-genetic or trans-genetic approaches, with the goal of developing new resistant cultivars.