

CNS editing for controlling the crop phenotypes in a multistage manner

The best possible solution to control the phenotypes of crops

Overview

Genome editing technology is attracting attention for the creation of new crop varieties, but until now, genome editing technology has produced only one stage phenotype mainly due to the loss of function of known genes.

In this study, we propose a concept to control crop phenotypes in a multistage manner by precisely modifying the Conserved Noncoding Sequence(CNS).

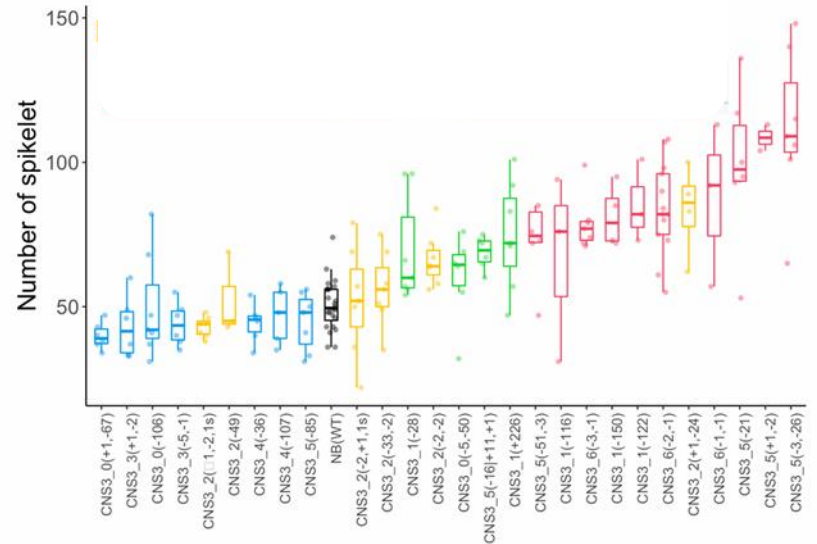
By taking advantage of CNS editing, we expect to produce cultivars with optimal traits.

Product Application

- ❑ Establishment of a new platform for precise modification of crop traits
- ❑ Creation of new rice varieties
- ❑ Creation of CNS database

IP Data

IP No. : WO2025/018218
Inventor : Takashi Makino, Watal Iwasaki, Junko Kyojuka
Admin No. : T22-344



Successful control of spikelet number

Contact

Tohoku Techno Arch Co., Ltd.

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