

## Biosafety Clearing-House (BCH)

LIVING MODIFIED ORGANISM (LMO)


BCH-LMO-SCBD-108926-3

[? Decisions on the LMO ? Risk Assessments](#)

LAST UPDATED: 09 JUN 2017


### Living Modified Organism identity

The image below identifies the LMO through its unique identifier, trade name and a link to this page of the BCH. Click on it to download a larger image on your computer. For help on how to use it go to the LMO quick-links page.



**BGH-00827-7**  
Rice modified for insect resistance

Read barcode or type above URL into internet browser to access information on this LMO in the Biosafety Clearing-House © SCBD 2012

<https://bch.cbd.int/database/record?documentID=108926>


Name

Rice modified for insect resistance

EN

Transformation event

BGH-00827-7

Unique identifier

BGH-00827-7

Developer(s)

- **PERSON:** PROF. BEHZAD GHAREYAZIE | [BCH-CON-IR-100734-8](#)

#### PERSON

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#### RELATED ORGANIZATION

Description

This modified rice contains the insecticidal cry1Ab gene which imparts resistance against

EN

Lepidoptera.

#### Recipient Organism or Parental Organisms

The term “Recipient organism” refers to an organism (either already modified or non-modified) that was subjected to genetic modification, whereas “Parental organisms” refers to those that were involved in cross breeding or cell fusion.

[BCH-ORGA-SCBD-10454-5](#) ORGANISM | ORYZA SATIVA (RICE, ORYSA) |

Crops

#### Point of collection or acquisition of the recipient organism or parental organisms

Tarom Molaii line B827

EN

### Characteristics of the modification process

#### Vector

pCIB4421 and pHygII

EN

#### Techniques used for the modification

Biolistic / Particle gun

#### Introduced or modified genetic element(s)

Some of these genetic elements may be present as fragments or truncated forms. Please see notes below, where applicable.

[BCH-GENE-SCBD-14985-12](#) CRY1AB | BACILLUS THURINGIENSIS - BT, BACILLUS, BACTU |

Protein coding sequence | Resistance to diseases and pests (Insects, Lepidoptera (butterflies and moths))

[BCH-GENE-SCBD-14991-8](#) HYGROMYCIN B PHOSPHOTRANSFERASE GENE | (BACTERIA) |

Protein coding sequence | Resistance to antibiotics (Hygromycin), Selectable marker genes and reporter genes

[BCH-GENE-SCBD-101404-3](#) PHOSPHOENOLPYRUVATE CARBOXYLASE GENE PROMOTER | (MAIZE, CORN) |

Promoter

### LMO characteristics

#### Modified traits

Resistance to diseases and pests

Insects

Lepidoptera (butterflies and moths)

Resistance to antibiotics

Hygromycin

#### Common use(s) of the LMO

Food

### Additional Information

Other relevant website addresses and/or attached documents

? [Tarom molaii + cry1Ab - ISAAA \( English \)](#)

? [Enhanced resistance to two stem borers in an aromatic rice containing a synthetic cryIA\(b\) gene \( English \)](#)

[BCH-LMO-SCBD-108926-3](#)

## Further Information

Questions about the Cartagena Protocol on Biosafety or the operation of the Biosafety Clearing-House may be directed to the Secretariat of the Convention on Biological Diversity.

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on Biological Diversity**

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