

Biosafety Clearing-House (BCH)

BIOSAFETY VIRTUAL LIBRARY RESOURCES (VLR)

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General Information

Title

GMO Genetic Elements Thesaurus (GMO-GET): a controlled vocabulary for the consensus designation of introduced or modified genetic elements in genetically modified organisms

EN

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[09_Untersuchungen/01_Aufgaben/02_Referenzlaboratorien/](http://www.bvl.bund.de/DE/09_Untersuchungen/01_Aufgaben/02_Referenzlaboratorien/)

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Rights

Open access

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Access to the resource(s)

Link to the resource(s)

- ? [\[Online\] GMO Genetic Elements Thesaurus \(GMO-GET\): a controlled vocabulary for the consensus designation of introduced or modified genetic elements in genetically modified organisms \(English \)](#)
- ? [\[PDF\] GMO Genetic Elements Thesaurus \(GMO-GET\) a controlled vocabulary for the consensus designation of introduced or modified genetic elements in genetically modified organisms.pdf \(English \)](#)
- ? [EUginius - List of genetic elements \(English \)](#)

Information on the content of the resource

Summary, abstract or table of contents

Background

Various databases on genetically modified organisms (GMOs) exist, all with their specific focus to facilitate access to information needed for, e. g., the assistance in risk assessment, the development of detection and identification strategies or inspection and control activities. Each database has its unique approach towards the subject. Often these databases use different terminology to describe the GMOs. For adequate GMO addressing and identification and exchange of GMO-related information it is necessary to use commonly agreed upon concepts and terminology.

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Result

A hierarchically structured controlled vocabulary describing the genetic elements inserted into conventional GMOs, and GMOs developed by the use of gen(om)e-editing is presented: the GMO genetic element thesaurus (GMO-GET). GMO-GET can be used for GMO-related documentation, including GMO-related databases. It has initially been developed on the basis of two GMO databases, i.e. the Biosafety Clearing-House and the EUginus database.

Conclusion

The use of GMO-GET will enable consistent and compatible information (harmonisation), also allowing an accurate exchange of information between the different data systems and thereby facilitating their interoperability. GMO-GET can also be used to describe genetic elements that are altered in organisms obtained through current targeted genome-editing techniques.

Keywords for facilitating searching for information in the clearing-houses

Biosafety Thematic Areas

Information-sharing and management

BCH Central Portal

Biosafety databases

Additional sources of biosafety information

Scientific and technical issues

Detection

Does this resource address one or more specific LMOs?

No

Does this resource address one or more specific organisms?

No

Does this resource address one or more specific genetic elements?

No

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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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