*Reference Record[[1]](#footnote-1):* Genetic element*[[2]](#footnote-2)*

*Fields marked with an asterisk (\*) are mandatory.*

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| **General information about the genetic element** | | |
| 1. Name of genetic element:\* | <Text entry> | |
| 1. Alternate genetic element name(s) (synonym(s)): | <Text entry> | |
| 1. Abbreviation\*: | <Text entry> | |
| 1. Category\*: | Protein coding sequence  Promoter  Terminator  Transit signal  Double-stranded RNA  Other (specify): <Text entry> | |
| 1. Is this genetic element a synthetic molecule?\*: | Yes  No | |
| **Donor organism** | | |
| 1. Donor organism(s):\* | *<BCH record number>*  *Please enter the BCH record number(s) containing this information or, if there is/are no record(s), attach one or more “Organism” common formats[[3]](#footnote-3).* | |
| 1. Point of collection or acquisition of the donor organism(s): | <Text entry>  *and/or* <Attachment> *(Limited to .geojson files (*[*http://www.geojson.org/*](http://www.geojson.org/)*))* | |
| **Characteristics of the protein coding sequence** *Please fill this section only if, in question 4 above, you have indicated that the category of the genetic element is “Protein coding sequence”.* | | |
| 1. Name of the protein expressed by the coding sequence: | <Text entry> | |
| 1. Biological function of the protein: | <Text entry> | |
| 1. Related trait(s) or use(s) in biotechnology:\*[[4]](#footnote-4) | | |
| **Resistance to <diseases and pests>** | | |
| Bacteria  *Pseudomonas syringae*  Fungi  Insects  Coleoptera (beetles)  Colorado potato beetle (*Leptinotarsa decemlineata*)  Western corn rootworm (*Diabrotica virgifera*)  Northern corn rootworm (*Diabrotica barberi*)  Diptera (flies)  Hessian fly  (*Mayetiola destructor*)  Lepidoptera (butterflies and moths)  Cotton bollworm  (*Helicoverpa* spp.)  European corn borer  (*Ostrinia nubilalis*)  Fall armyworm   (*Spodoptera frugiperda*) | | Nematodes  Beet cyst eelworm  (*Heterodera schachtii*)  Cereal cyst nematode  (*Heterodera* spp.)  Prions  Viroids  Viruses  Beet necrotic yellow virus (BNYV)  Mosaic virus  Cucumber mosaic virus (CMV)  Watermelon mosaic virus-2 (WMV2)  Zucchini yellow mosaic virus (ZYMV)  Papaya ringspot virus (PRV)  Potato leaf roll virus (PLRV)  Potato virus Y (PVY)  Other <Text entry>  *This list continues on the next page* |

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| *This list continued from the previous page* | |
| **Resistance to <herbicides>**  Bromoxynil  Chlorsulfuron  Glufosinate  Glyphosate  Imidazolinone  Sethoxydim  Sulfonylurea  Other <Text entry> | **Resistance to <antibiotics>**  Ampicillin  Chloramphenicol  Hygromycin  Kanamycin  Neomycin  Streptothricin  Streptomycin  Tetracycline  Other <Text entry> |
| **Tolerance to <abiotic stress>**  Aluminum  Cold / Heat  Drought  Micronutrient deficiency  Nitrogen deficiency  Phosphorus deficiency  Potassium deficiency  Salinity  Other <Text entry> | **Changes in <physiology and/or production>**  Growth rate  Photoperiod response  Reproduction  Genetic use restriction  technology (GURT)  Male sterility  Ripening  Yield  Other <Text entry> |
| **Changes in <quality and/or metabolite content>**  Allergens  Amylose and amylopectin ratio  Antioxidants  Carbohydrates  Cellulose  Flavonoids (e.g. anthocyanin)  Lignin  Lipid and fatty acids  Lysine content  Pigmentation / Coloration  Protein and amino acids  Shelf-life  Vitamins  Other <Text entry> | **Production of <medical or pharmaceutical compounds (human or animal)>**  Antibiotics  Antibodies and antigens  Antithrombin  Human growth hormone  Human serum albumin  Insulin  Organs (xenotransplantation)  Omega-3 fatty acids (e.g. DHA)  Vaccines  Other <Text entry> |
| **Use in <industrial applications>**  Biofuel production  Bioremediation  Other <Text entry> | **Selectable marker genes and reporter genes** |
| **Engineered <gene drive application>**  Population suppression  Population replacement  Other <Text entry> | **Others, please specify:** <Text entry> |

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| **Timeframe for confirmation or updating of information** | |
| This category of information does not require confirmation or updating. | |
| **Additional information** | |
| 1. Any other relevant information:[[5]](#footnote-5) | <Text entry>  *and/or* <URL and website name>  *and/or* <Attachment> |
| 1. Notes:[[6]](#footnote-6) | <Text entry> |

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| **Record Validation** | |
| Information should be submitted online to the BCH through the Submit page. This offline common format is made available to assist BCH users to gather and organize their records prior to submission to the BCH.  In case of difficulties in submitting this information online, the completed documents should be sent in MS Word format by e-mail to [bch@cbd.int](mailto:bch@cbd.int).  Alternatively, they can be sent by fax to **+1 514 288 6588**.  or postal mail to:  **Secretariat of the Convention on Biological Diversity**  **413 rue Saint-Jacques, suite 800**  **Montreal, Québec, H2Y 1N9**  **Canada**  **Important Notice:** Please note that if this form is going to be sent via fax, postal mail or from an e-mail address that is not registered in the BCH, a copy/scan of this signed page should be attached. A completed “Contact” common format should also be attached if the user is not registered in the BCH. | |
| Date:\* | <YYYY-MM-DD> |
| Name of the person submitting the request:\* | <Text entry> |
| Contact details of the person submitting the request | *<registered e-mail address>*  *Please enter the e-mail address that is registered in the BCH or, if not registered, attach a “Contact” common format[[7]](#footnote-7).* |
| *I hereby confirm that the above information is correct and request its inclusion in the Biosafety Clearing-House.* | |
| Signature of the person submitting the information:\* |  |

1. Reference records contain information that may be submitted by any registered user. The information will be published in the BCH only after its completeness and accuracy have been validated by the Secretariat. The common formats for reference records can be accessed through the Submit page of the BCH. [↑](#footnote-ref-1)
2. Information on genetic elements refers to *DNA sequences*, including genes, regulatory DNA sequences and other nucleic acids used to create a living modified organism. They may encode a protein or may have a specific regulatory function. Please note that to complete this form you may also need to download the following common format(s): “Contact” and “Organism”. [↑](#footnote-ref-2)
3. All BCH common formats can be accessed through the Submit page of the BCH. [↑](#footnote-ref-3)
4. Please select the terms below that best describe how this protein coding sequence is used in modern biotechnology. [↑](#footnote-ref-4)
5. Please use this field to provide any other relevant information that may not have been addressed elsewhere in the record. [↑](#footnote-ref-5)
6. The “Notes” field is for personal use. It can only be seen when the record is being edited but is not visible when the record is published. This field is not meant to be used for confidential information. [↑](#footnote-ref-6)
7. All BCH common format can be accessed through the Submit page of the BCH. [↑](#footnote-ref-7)