

Biosafety Clearing-House (BCH)

GENETIC ELEMENT (GENE)

BCH-GENE-SCBD-111935-2

LAST UPDATED: 24 JAN 2022

General information

Name of genetic element

Lycopene beta cyclase fragment

EN

Abbreviation

CS-lycb_RNAi-ANACO

EN

Category

Double-stranded RNA

Is this genetic element a synthetic molecule?

No

Donor organism

Donor organism(s)

[BCH-ORGA-SCBD-111928-1](#) ORGANISM | ANANAS COMOSUS (PINEAPPLE, ANACO) |

Crops

Characteristics of the protein coding sequence

Related trait(s) or use(s) in biotechnology

Changes in quality and/or metabolite content
Pigmentation / Coloration

Additional Information

The *lycb* gene encodes an enzyme that converts lycopene to gamma-carotene, a metabolic precursor of beta-carotene.

EN

Other relevant website addresses and/or attached documents

? [UniProtKB - Q38933 \(LCYB_ARATH\)](#) (English)

[BCH-GENE-SCBD-111935-2](#)

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.

**Secretariat of the Convention
on Biological Diversity**

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