

Datasheet No. A-018.002.001
(family.genus.species)

DBT- 1

1.Taxon:

Species: *Annona cherimola* Mill.

Subspecies:

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Annona pubescens* Salisb., *A. tripetala* Aiton

3.Systematic Position:**APG IV (2016)**

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Magnolids
- Order: Magnoliales Juss.
- Family: Annonaceae Juss.
- Genus: *Annona* L.
- Species: *A. cherimola* Mill.

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Thalamiflorae
- Cohors: Raneles
- Ordo: Annonaceae Juss.
- Genus: *Annona* L.
- Species: *A. cherimola* Mill.

4.Distribution:

Global: Bolivia, Colombia, Ecuador, Israel, Algeria, Australia, Belize, Brazil, Chile, Costa Rica, Egypt, El Salvador, Eritrea, France, Guatemala, Haiti, India, Italy, Jamaica, Libyan Arab Jamahiriya, Mexico, Peru, Singapore, Somalia, Spain, US, Venezuela

India: Andhra Pradesh, Karnataka, Kerala, Maharashtra, Tamil Nadu

5.Indigenous/Exotic/Endemic;Cultivated/Wild: Cultivated

6.Threat Status:

IUCN: Least concern

BSI

7.Habit and Habitat: Fairly dense, fast-growing, evergreen tree

8.Life Form: Phanerophytes

9.Economic Importance: The white flesh of the ripe cherimoya is sweet, juicy and very fragrant. The fruit is fermented to produce an alcoholic beverage. The seeds contain several alkaloids

10. Probable Progenitor of:**11.DNA**

C-value

1C (1.7 pg)¹

Methodology

Flow cytometry¹

12.Basic chromosome number(s):

13. Zygotic chromosome number(s): 2n=14²; 2n=16^{3,4}

14. Gametic chromosome number(s):

15.Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):

Image file

16. Ploidy level: Diploid¹

Image file

17. Agametoploidy:

18. Nature of polyploidy (auto, segmental, allo, autoallo):

19. Genomic formula:

20. Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):

21. Somatic chromosomes:

Karyotype

Chromosome size

NOR chromosome(s)

Degree of asymmetry

Image file

22. Banding pattern(s):

Image file

23. Physical mapping of chromosomes:

In situ hybridization

Image file

Fluorescent in situ hybridization

Image file

24. Genomic in situ hybridization:

Image file

25. Linkage map:

Image file

26. Chromosome associations:

Female meiosis

Male meiosis

Image file

27. Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

Image file

DNA level

29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocations etc):