

Genus Datasheet

DBT- Network Programme

Datasheet No. G-011.012
(Family.Genus)

1. Genus: *Thuja*

Bentham and Hooker

Kingdom:

Division:

Order:

Class:

Subclass:

Order:

Family:

Subfamily:

Genus:

2. Systematic Position:

APG IV

- Kingdom:
- Clade:
- Clade:
- Clade:
- Order:
- Family:
- Subfamily:
- Genus:

3. Species:

Global: native to [North America](#) and [eastern Asia](#)

India:

4. Taxonomic riddles:

5. Distribution:

Global: 5

India: 2

6. Habit and Habitat: [evergreen trees](#) growing from 10 to 200 feet (3.0 to 61.0 metres) tall

7. Economic Importance: Ornamental

8. DNA content range: **Methodology**

2C (23.27-24.59 pg)⁵ Feulgen microdensitometry⁵

2C (23.20-25.68 pg)^{8,9} Flow cytometry^{8,9}

9. Basic chromosome number(s): $x=11$ ^{1, 2, 3, 4, 6, 7, 8}

10. Zygotic chromosome number(s): $2n=22$ ^{2, 3, 4, 7, 8}

1. Gametic chromosome number(s): $n=$

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene Chromosomes/Neocentric chromosomes):

13. Ploidy level: Diploid^{2, 3, 4, 7, 8}

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

15. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):

16. Karyograms: 2, 3, 4, 8

Meiosis:

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship at Chromosomal; DNA level:

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: