

Genus Datasheet

Datasheet No. A-120.001

(Family.Genus)

DBT- Network Programme

1. Genus: *Dillenia* L.

2. Systematic position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicot
- Order: Dilleniales DC. ex Bercht. & J. Presl
- Family: Dilleniaceae Salisb.
- Genus: *Dillenia* L.

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Thalamiflorae
- Cohors: Ranales
- Ordo: Dilleniaceae Salisb.
- Genus: *Dillenia* L.

3. Species:

Global: 60

India: 10

4. Taxonomic riddles:

5. Distribution:

Global: Bangladesh, Bismarck Archipelago, Borneo, Cambodia, Cuba, China, East Himalaya, Ecuador, Fiji, Gulf of Guinea Island, Hainan, India, Java, Laos, Lesser Sunda Island, Mauritius, Madagascar, Malaya, Maluku, Myanmar, Nepal, New Guinea, Philippines, Queensland, Seychelles, Solomon Island, Sri Lanka, Sulawesi, Sumatera, Thailand, Trinidad-Tobago, Reunion, Windward Island, Vanuatu, Vietnam

India: Throughout India.

6. Habit and Habitat: Tree

7. Economic Importance: Used as ornamental

8. DNA content range:

4C (2.05±0.27 pg)¹

Methodology

Feulgen microdensitometry¹

9. Basic chromosome number(s):

10. Zygotic chromosome number(s): $2n = 24^2$

11. Gametic chromosome number(s): $n = 13^4$; $n = 28^3$

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene Chromosomes/

Neocentric chromosomes):

13. Ploidy level:

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

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

16. Karyograms:

Meiosis:

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship at Chromosomal; DNA level: DNA level⁵

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: