

Genus Datasheet JamU+CalU+SUK-Phase I

Datasheet No. A-126.001
(Family.Genus)

DBT- Network Programme

1. Genus: *Daphniphyllum* Blume

2. Systematic position:

APG IV(2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicot
- Clade: Core Eudicot
- Clade: Superrosids
- Order: Saxifragales Bercht. & J. Presl
- Family: Daphniphyllaceae Müll.Arg.
- Genus: *Daphniphyllum* Blume

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Monochlamydeae
- Series: Unisexuales
- Ordo: Euphorbiaceae Juss.
- Genus: *Daphniphyllum* Blume

3. Species:

Global: 28

India: 5

4. Taxonomic riddles:

5. Distribution:

Global: Bangladesh, Bismarck Archipelago, Borneo, Cambodia, China South-Central, China Southeast, Hainan, India, Japan, Jawa, Korea, Kuril Island, Laos, Lesser Sunda Island, Malaya, Maluku, Myanmar, Nepal, New Guinea, Philippines, Sri Lanka, Sulawesi, Sumatera, Taiwan, Thailand, Tibet, Vietnam.

India: Himalaya, Peninsular India.

6. Habit and Habitat: Tree

7. Economic Importance: Used for garden trees, street trees, furniture, construction, agricultural implements, and traditional herbal medicines

8. DNA content range:

2C

4C

Methodology

9. Basic chromosome number(s):

10. Zygotic chromosome number(s):

11. Gametic chromosome number(s): $n=16^{1,2,3}$

- 12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene Chromosomes/ Neocentric chromosomes):**
- 13. Ploidy level: Diploid³**
- 14. Nature of polyploidy (auto, segmental, allo, autoallo):**
- 15. Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):**
- 16. Karyograms: Meiosis:³**
- 17. Banding pattern(s):**
- 18. Physical mapping of chromosomes: GISH:**
- 19. Phylogenetic relationship at Chromosomal; DNA level: DNA level⁴**
- 20. Cytogenetic mechanism (s) underlying evolution:**
- 21. Linkage map:**
- 22. Any other information:**