

Datasheet No. A-061.041
(Family:Genus)

DBT- Network Programme

1. Genus:*Cottonia* Wight

Bentham and Hooker

Kingdom: Plantae

Division: Phanerogamia

Class: Monocotyledonae

Series: Microspermae

Ordo: Orchideae

Tribus: Vandeae

Genus: *Cottonia* Wight

2. Systematic Position:

APG IV

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link.
- Family: Orchidaceae Juss.
- Subfamily: Epidendroideae
- Tribe: Vandeae
- Subtribe: Aeridinae
- Genus: *Cottonia* Wight

3. Species:

Global: 1 (accepted)

India: 1

4. Taxonomic riddles: ⁴

5. Distribution:

Global: India, Sri Lanka

India: Goa, Odisha, Karnataka, Kerala, Maharashtra, Tamil Nadu

6. Habit and Habitat:Epiphyte

7.Economic Importance:

8. DNA content range:

Methodology

9. Basic chromosome number(s): $x=19^{1, 2}, 20^1$

10. Zygotic chromosome number(s): $2n=38^{2, 3}, 40^1$

11. Gametic chromosome number(s):

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

13. Ploidy levelDiploid^{1, 2, 3}

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

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

16. Karyograms:

Meiosis:

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship at Chromosomal; DNA level:⁴

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: