

Genus Data Sheet

Datasheet No. A-045.002
(family,genus,species)

DBT- Network Programme

1. Genus:*Trichopus* Gaertn

3. Systematic position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocot
- Order: Dioscoreales Mart.
- Family: Dioscoreaceae R. Br.
- Genus: *Trichopus* Gaertn

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogams
- Class: Monocotyledons
- Series: Epigynae
- Ordo: Dioscoreaceae R. Br.
- Genus: *Trichopus* Gaertn

3. Species:

Global: 02

India: 01

4. Taxonomic riddles:

5. Distribution:

Global: Malaysia, Singapore, Sri Lanka, Thailand and the Southwestern Ghats mountains of South India

India: Western Ghats (Kerala, Tamil Nadu, Karnataka, Goa, Maharashtra and Gujarat)

6. Habit and Habitat: Herb

7. Economic Importance:

8. DNA content range:

Methodology

2C: 4C:

9. Basic chromosome number(s): $x=14^1$

10. Zygotic chromosome number(s): $2n=28^1$

11. Gametic chromosome number(s): $n=14^1$

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

13. Ploidy level:Diploid¹

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 atChromosomal; DNAlevel:

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: