

Species Data Sheet

Datasheet No. A-045.001.031
(family.genus.species)

DBT-1

1. Taxon:

Species: *Dioscorea wightii* Hook.f.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms:

3. Systematic position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocot
- Order: Dioscoreales Mart.
- Family: [Dioscoreaceae](#) R. Br.
- Genus: [Dioscorea](#) L.
- Species: *D. wightii* Hook.f.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogams
Class: Monocotyledons
Series: Epigynae
Ordo: [Dioscoreaceae](#) R. Br.
Genus: *Dioscorea* L.
Species: *D. wightii* Hook.f.

4. Distribution:

Global: India

India: Tamil Nadu, Kerala

5. Indigenous/Exotic/Endemic; Cultivated/Wild: Endemic

6. Threat Status: Critically Endangered

IUCN:

BSI:

7. Habit and Habitat: Tuberous climbing herb

8. Life Form: Tuberous geophyte

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value

Methodology:

12. Basic chromosome number(s):

13. Zygotic chromosome number(s):

14. Gametic chromosome number(s):

15. Specialized chromosomes (B chromosomes/Sex chromosomes/polytene chromosomes/Neocentric chromosomes):

Image file

16. Ploidy level:

Image file

17. Agametoploidy:

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

19. Genomic formula:

20. Aberrant chromosome number(s)(aneuploidy, aneusomy, polysomy):

21. Somatic chromosomes:

Karyotype:

Chromosome size:

NOR chromosome(s):

Degree of asymmetry:

Image file

22. Banding pattern(s):

Image file

23. Physical mapping of chromosomes:

In situ hybridization

Image file

Fluorescent in situ hybridization

Image file

24. Genomic in situ hybridization:

Image file

25. Linkage map:

Image file

26. Chromosome associations:

Female meiosis:

Male meiosis:

Image file

27. Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level:

Image file

DNA level

29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocation etc):