

Species Datasheet

Datasheet No. A-140.070.002
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species*Eleiotisrottleri*Wight&Arn.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms:*Desmodium bakeri* N.P.Balacr. , *Desmodium rottleri* (Wight &Arn.) Baker,
Eleiotis trifoliata T.Cooke

3.Systematic Position: APG IV; Bentham and Hooker:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Rosids
- Order: FabalesBromhead
- Family: FabaceaeLindl.
- Subfamily: Faboideae Rudd
- Genus:*Eleiotis*DC.
- Species:*Eleiotisrottleri*Wight &Arn.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Dicotyledons
Subclass: Polypetalae
Series: Calyciflorae
Cohors: Rosales Bercht. & J. Presl
Ordo: LeguminosaeJuss.
Subordo: PapilionaceaeGiseke
Genus: *Eleiotis*DC.
Species:*Eleiotisrottleri*Wight &Arn.

4.Distribution:

Global:India, Myanmar, Sri Lanka

India

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

6.Threat Status:

IUCN

BSI

7.Habit and Habitat:Herb, forest

8.Life Form:Annual

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=20^1$

14. Gametic chromosome number(s): $n=10^1$

15.Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):2 B chromosomes¹

Image file

16.Ploidy level:Diploid¹

Image file

17.Agametoploidy:

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

19.Genomic formula:

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

21.Somatic chromosomes:¹

Karyotype :Majority Metacentric chromosome

Chromosome size:Small

NOR chromosome(s) :

Degree of asymmetry :Symmetrical

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.):