

Species Datasheet

Datasheet No. A-028.011.002
(family.genus.species)

DBT- Network Programme

-

1. Taxon:

Species *Epipremnum pinnatum* (L.) Engl.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *E. angustilobum* K.Krause, *E. elegans* Engl., *E. elegans* f. *ternatensis* Alderw., *E. formosanum* Hayata, *E. glaucicephalum* Elmer, *E. merrillii* Engl. & K.Krause, *E. mirabile* Schott, *E. mirabile* f. *eperforatum* Engl., *E. mirabile* f. *multisectum* Engl., *E. pinnatum* f. *multisectum* (Engl.) Engl., *E. robinsonii* K. Krause, *M. caudata* (Roxb.) Schott, *M. dilacerata* (K.Koch & Sello) K. Koch, *M. pinnata* (L.) Schott, *Philodendron dilaceratum* Engl., *P. nechodomae* Britton, *Polypodium laciniatum* Burm.f., *P. caudatus* Roxb., *P. decursivus* Wall., *P. pinnatifidus* Roxb., *P. pinnatus* L., *R. caudata* (Roxb.) Schott, *R. cunninghamii* Schott, *R. dilacerata* (K.Koch & Sello) K.Koch, *R. formosana* (Hayata) M.Hotta, *R. laciniata* (Burm.f.) Merr., *R. lovellae* F.M.Bailey, *R. merrillii* Engl., *R. neocaledonica* Guillaumin, *R. pertusa* var. *vitiensis* (Schott) Engl., *R. pinnata* (L.) Schott, *R. pinnatifida* (Roxb.) Schott, *R. vitiensis* Schott, *R. wallichii* Schott, *Scindapsus bipinnatifidus* Teijsm. & Binn., *S. caudatus* (Roxb.) Schott, *S. decursivus* Moritzi, *S. dilaceratus* K.Koch & Sello, *S. forsteri* Endl., *S. pinnatifidus* (Roxb.) Schott, *S. pinnatus* (L.) Schott, *Tornelia dilacerata* (K.Koch & Sello) Schott

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Order: Alismatales R. Br. ex Bercht. & J. Presl
- Family: Araceae Juss.
- Genus: *E.* Schott
- Species: *E. pinnatum* (L.) Engl.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Nudiflorae
Ordo: Aroideae Arn.
Genus: *Epipremnum* Schott
Species: *E. pinnatum* (L.) Engl.

Species: *E. pinnatum* (L.) Engl.

4. Distribution:

Global: Tropical & Subtropical Asia to Pacific

India: Andaman & Nicobar Islands.

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Climbing herb, Tropical rain forests, mountain forests, creeping and climbing on trees, rocks, or stone walls.

8. Life Form: Phanerophytes

9. Economic Importance: The plants are used medicinally to treat traumatic injuries, abscesses and rheumatic arthralgia.

10. Probable Progenitor of:

11. DNA

C- value

Methodology

12. Basic chromosome number(s): $x=10$ ³

13. Zygotic chromosome number(s): $2n=56$ ¹
 $2n=60$ ^{2,3}

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, aneusomaty, polysomaty):

21. Somatic chromosomes:

Karyotype: Majority metacentric to submetacentric to nearly subtelocentric chromosomes¹

Chromosome size: Very small to medium¹

NOR chromosome(s): 10 NOR¹

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; Translocations etc):