

Species Datasheet

Datasheet No. A-377.019.002
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Elytraria marginita* Vahl

Subspecies

Variety:

Cultivar

Hybrid

Image file

2. Synonyms *Elytraria acaulis* var. *lyrata* (Vahl) Bremek., *E. crenata* var. *lyrata* (Vahl) Nees, *E. lyrata* Vahl, *Tubiflora paucisquamosa* De Wild. & T. Durand

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Superasterids
- Clade: Asterids
- Order: Lamiales Bromhead
- Family: Acanthaceae Juss.
- Genus: *E. Michx.*
- Species: *E. marginita* Vahl

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Gamopetalae
- Series: Bicarpellatae
- Cohors: Personales
- Ordo: Acanthaceae Juss.
- Genus: *Elytraria* Michx.
- Species: *E. marginita* Vahl

4. Distribution:

Global: India, Gabon

India: Peninsular India

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Herb/ Shrub. Found on rocky or sandy soils.

8. Life Form:

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=44^1$, $2n=46^2$

14. Gametic chromosome number(s): $n=22^1$

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

Image file

16. Ploidy level: Diploid

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-Majority metacentric and sub-metacentric¹

Chromosome size-1.5 μ m to 2.5 μ m¹

NOR chromosome(s)

Degree of asymmetry:Symmetrical¹

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

27. Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

DNA level

29. Any other information: