

Species Datasheet

Datasheet No. A-377.009.024
(family.genus.species)

DBT- No

1. Taxon:

Species: *Barleria repens* Nees
Subspecies
Variety
Cultivar
Hybrid
Image file

2. Synonyms: *Barleria querimbensis* Klotzsch, *B. swynnertonii* S.Moore

3. Systematic Position:

APG IV (2016)

Kingdom: Plantae
Clade: Angiosperms
Clade: Eudicot
Clade: Asterids
Order: Lamiales
Family: Acanthaceae Juss.
Genus: *Barleria* L.
Species: *B. repens* Nees

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Dicotyledons
Subclass: Gamopetalae
Series: Bicarpellatae
Cohors: Personales
Ordo: Acanthaceae Juss.
Genus: *Barleria* L.
Species: *B. repens* Nees

4. Distribution:

Global: India, Tropical and subtropical Southeast Africa and USA.

India: Karnataka and Maharashtra.

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

6. Threat Status:

IUCN: Critically Endangered.

BSI:

7. Habit and Habitat: Shrub. Cultivated for its ornamental value.

8. Life Form: Chamaephytes

9. Economic Importance: Ornamental.

10. Probable Progenitor of:

11. DNA

C-value Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=40$ ¹⁷

14. Gametic chromosome number(s):

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

Image file

16. Ploidy level:

Image file

17. Agamete ploidy:

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

19.Genomic formula:

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

21.Somatic chromosomes:

Karyotype

Chromosome size

NOR chromosome(s)

Degree of asymmetry:

Image

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: