

Species Datasheet

Datasheet No. A-377.009.014
(family.genus.species)

DBT

1.Taxon:

Species: *Barlerialongiflora*L.f.
Subspecies
Variety
Cultivar
Hybrid
Image file

2. Synonyms:*Barleria sericea*T.Anderson,*Barleriosiphon longiflora* (L.f.) Oerst.

3. Systematic Position:

APG IV(2016)

Kingdom: Plantae
Clade: Angiosperms
Clade: Eudicot
Clade: Asterids
Order: Lamiales Bromhead
Family: Acanthaceae Juss.
Genus: *Barleria* L.
Species: *B. longiflora* L.f.

Bentham and Hooker(1862)

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

4.Distribution:

Global:India

India: Andhra Pradesh, Karnataka,Maharashtra, Odisha and Tamil Nadu.

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Shrub. Found onrocky crevices in drier regions and alongdry hill slopes.

8.Life Form:Chamaephytes

9.Economic Importance: Medicinal.

10. Probable Progenitor of:

11.DNA

C-valueMethodology

12.Basic chromosome number(s):

13. Zygotic chromosome number(s):2n=40¹¹

14. Gametic chromosome number(s):

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

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/ submetacentric¹¹

Chromosome size-2.0-5.6µm¹¹

NOR chromosome(s)

Degree of asymmetry:Symmetrical¹¹

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: