

Species Datasheet

Datasheet No. A-377.009.027
(family.genus.species)

DBT- No.

1.Taxon:

Species: *Barleriastrigosa* Willd.
Subspecies
Variety
Cultivar
Hybrid
Image file

2. **Synonyms:**[*Barleria strigosa* var. *polystachya* \(Hook. ex Nees\) C.B.Clarke](#), *B. strigosa* var. *subglabra* Kuntze, *B. strigosa* var. *terminalis* (Nees) C.B.Clarke

3. Systematic Position:

APG IV(2016)

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

Bentham and Hooker(1862)

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

4.Distribution:

Global: Tropical Himalaya, Eastern India, Burma, and Indo- China.

India: Throughout India.

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

6.Threat Status:

IUCN:

BSI:

7.**Habit and Habitat:**Herb. Grows as an undergrowth in moist deciduous forests;also grown in gardens, up to 1400 m.

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):** $2n=40^{2, 4}$, $2n=42^{14}$

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, aneusomy, polysomy):

21. Somatic chromosomes:

Karyotype – Majority metacentric/ sub-metacentric, 4 pairs of sub-terminal chromosomes, 3 pairs of satellite chromosomes of which, 2 pairs are on the short arm of sub-metacentric pairs and the third pair of satellites on relatively longer arm of nearly metacentric pair⁴

Chromosome size – 1 μ to 4 μ ⁴

NOR chromosome(s)

Degree of asymmetry:

22. Banding pattern(s):

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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:

30. References: