

Species Datasheet

Datasheet No. A-377.024.001
(family.genus.species)

DBT- Network Program

1.Taxon:

Species: *Hemigraphis alternata*(Burm.f.) T.Anderson
Subspecies
Variety
Cultivar
Hybrid
Image file

2. Synonyms:*Blechumcordatum* Leonard, *Goldfussiacolorata* (Blume) Moritzi, *Hemigraphiscolorata* (Blume) Hallier f., *Ruelliaalternata* Burm.f., *R.colorata* Blume

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Superasterids
- Clade: Asterids
- Order: Lamiales Bromhead
- Family: Acanthaceae Juss.
- Genus: *Hemigraphis* Nees
- Species: *H. alternata* (Burm.f.) T.Anderson

Bentham and Hooker(1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Gamopetalae
- Series: Bicarpellatae
- Cohors: Personales
- Ordo:Acanthaceae Juss.
- Genus: *Hemigraphis*Nees
- Species: *H. alternata* (Burm.f.) T.Anderson

4.Distribution:

Global:Colombia, Honduras, USA

India: Tamil Nadu (Cultivated)

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Herb.

8.Life Form:Chamaephytes

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-valueMethodology

12.Basic chromosome number(s):

13. Zygotic chromosome number(s):2n=28¹

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 and sub-metacentric¹, satellites present on eight (8) pairs of chromosomes¹

Chromosome size – 1-3 μm¹

NOR chromosome(s)

Degree of asymmetry:

22. Banding pattern(s):

Image file

23. Physical mapping of chromosomes: GISH.

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: