

Species Datasheet

Datasheet No. A-061.112.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Zeuxineaffinis*(Lindl.) Benth.exHook.f.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

[*Adenostylisarianensis* \(Hayata\) Hayata](#)

[*Monochilusaffinis*Lindl.](#)

[*Zeuxinearisanensis*Hayata](#)

[*Zeuxinegrandis*Seidenf.](#)

[*Zeuxineseidenfadenii* Deva &H.B.Naithani](#)

[*Zeuxinesutepensis* Rolfe ex Downie](#)

[*Zeuxinetaiwaniana*S.S.Ying](#)

[*Zeuxineuraiensis*S.S.Ying](#)

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Orchidaceae Juss.
- Subfamily: Orchidoideae
- Tribe: Cranichideae
- Subtribe: Goodyerinae
- Genus: *Zeuxine* Lindl.
- Species: *Zeuxineaffinis* (Lindl.) Benth. ex Hook. f.

Bentham and Hooker(1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Monocotyledonae

Series: Microspermae

Ordo: Orchideae

Tribus: Neottieae

Subtribus: Spirantheae

Genus: *Zeuxine* Lindl.

Species: *Zeuxineaffinis* (Lindl.) Benth. ex Hook. f.

4. Distribution:

Global: Bangladesh, China South-Central, China Southeast, East Himalaya, Hainan, India, Laos, Malaya, Myanmar, Nansei-shoto, Nepal, Taiwan, Thailand, Vietnam, West Himalaya

India: Andaman & Nicobar Islands, Arunachal Pradesh, Bihar, Kerala, Manipur, Mizoram, Meghalaya, Nagaland, Odisha, Sikkim, Tamil Nadu, West Bengal

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

6. Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Miniature to small sizedrhizomatous herb, hot to cool growing terrestrial; grows in very moist and sandy places along streams or under trees at 1300-1400m

8.Life Form:Phanerophytes

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=10^{4, 5, 8}$

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

14. Gametic chromosome number(s): $n=10^{4, 5, 8}$

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

Image file

16.Ploidy level:Diploid^{4, 5, 8}

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

Chromosome size

NOR chromosome(s)

Degree of asymmetry

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 10II^{5, 8}

Image file

27. Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

Image file

DNA level

29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocation etc.):