

Species Datasheet

Datasheet No. A-032.001.001
(family.genus.species)

DBT- Networ

1.Taxon:

Species:*Blyxaaubertii*Rich.

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. **Synonyms:***Blyxaaubertii* var. *aubertii*,*B. ceylanica*Hook.f.,*B. ecaudata*Hayata., *B. graminea*Steud., *B. griffithii* Planch. exHook.f., *B. malayana*Ridl., *B. muricata*Koidz., *B. oryzetorum* (Decne.) Hook.f.,*B. zeylanica*Hook.f., *Diplosiphonoryzetorum*Decne.

3.Systematic position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Alismatales R. Br. ex Bercht. & J. Presl
- Family: HydrocharitaceaeJuss.
- Genus: *Blyxa*Noronha ex Thouars
- Species:*B.aubertii*Rich.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Microspermae
Ordo: Hydrocharideae
Genus: *Blyxa*Noronha ex Thouars
Species:*B.aubertii*Rich.

4.Distribution:

Global: Australia (Northern Territory, Queensland), Bangladesh, Bhutan, Cambodia, China (Anhui, Fujian, Guangdong, Guangxi, Hunan, Jiangsu, Jiangxi, Shaanxi, Shanghai, Sichuan, Yunnan, Zhejiang), Hong Kong, India, Indonesia (Jawa, Kalimantan, Maluku, Sumatera), Japan, Korea, Madagascar, Malaysia, Mozambique, Myanmar, Nepal, Papua New Guinea, Philippines, Singapore, Sri Lanka, Taiwan, Province of China, Tanzania, Thailand, Viet Nam

India:Himalaya,South and North East India

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

6.Threat Status:

IUCN: Least Concern

BSI:

7.**Habit and Habitat:**Aquatic herb.This species is found in shallow waters and marshes. It is also found in paddy fields, ditches and wells.

8.**Life Form:**Hydrophyte

9.**Economic Importance:**It is cultivated for use as a background aquarium plant.

10. Probable Progenitor of:

11.DNA

C-valueMethodology:

12.Basic chromosome number(s):

13. Zygotic chromosome number(s):

14. Gametic chromosome number(s):

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

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:

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:

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; Translocations etc):