

Datasheet No. A-061.012.003
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Brachycorythis helferi* (Rchb.f.) Summerh.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms: *Brachycorythis menglianensis* Y.Y.Qian, *Gymnadenia helferi* Rchb.f., *Gymnadenia sesamoides* C.S.P.Parish, *Habenaria helferi* (Rchb.f.) Hook.f., *Phyllomphax helferi* (Rchb.f.) Schltr., *Phyllomphax sesamoides* (C.S.P.Parish) Schltr., *Platanthera helferi* (Rchb.f.) Kraenzl.

3.Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link.
- Family: Orchidaceae Juss.
- Tribe: Orchideae
- Subtribe: Orchidinae
- Genus: *Brachycorythis* Lindl.
- Species: *Brachycorythis helferi* (Rchb.f.) Summerh.

Bentham and Hooker (1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Monocotyledonae

Series: Microspermae

Ordo: Orchideae

Tribus: Ophrydeae

Subtribus: Diseae

Genus: *Brachycorythis* Lindl.

Species: *Brachycorythis helferi* (Rchb.f.) Summerh.

4.Distribution:

Global: India, China, Myanmar, Thailand, China, Vietnam, Laos, Bangladesh, Cambodia

India: Assam, Meghalaya, Mizoram

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Terrestrial herb, grows on open grasslands or in forests at 300-1600m

8.Life Form: Phanerophytes

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

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; Translocation etc.):