

Datasheet No. A-061.005.004
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Androcorysmonophylla*(D.Don) Agrawala&H.J.Chowdhery

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:*Herminiumgramineum*Lindl., *Herminiummonophyllum* (D.Don) P.F.Hunt&Summerh., *Monorchismonophylla* (D.Don) O.Schwarz, *Neottiamonophylla*D.Don, *Spiranthesmonophylla* (D.Don) Spreng.

3.Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Orchidaceae Juss.
- Subfamily: Orchidoideae
- Tribe: Orchideae
- Subtribe: Orchidinae
- Genus: *Androcorys*Schltr.
- Species:*Androcorysmonophylla* (D.Don) Agrawala&H.J.Chowdhery

Bentham and Hooker(1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Monocotyledonae

Series: Microspermae

Ordo: Orchideae

Tribus: Ophrydeae

Subtribus: Habenariaeae

Genus: *Androcorys*Schltr.

Species:*Androcorysmonophylla*(D.Don)

Agrawala&H.J.Chowdhery

4.Distribution:

Global:India,Nepal

India: Widely distributed along North-West Himalayas from Simla to Kumaon hills, 200m, Arunachal Pradesh, Himachal Pradesh, Sikkim, Uttarakhand

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Terrestrial herbs grows in very moist places or in the vicinity of trickling water on gravelly slopes at 2200m

8.Life Form:Cryptophytes

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value **Methodology**

2C (14.79pg) ⁹ Feulgen microdensitometry⁹

12.Basic chromosome number(s): $x=18^{3, 5}, 19^{4, 11}, 20^{1, 6, 8, 9}$

13. Zygotic chromosome number(s): $2n=36^{3, 5}, 38^{4, 11}, 40^{1, 6, 8, 9}$

14. Gametic chromosome number(s): $n=18^{3, 5}, 20^{1, 8}$

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

Image file

16.Ploidy level:Diploid^{1,3, 4, 5, 6, 8, 9,11}

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:^{3, 5}

Karyotype Median, submedian, 5 subterminal pairs^{3, 5}

Chromosome size Small^{3, 5}

NOR chromosome(s)

Degree of asymmetry Moderately symmetrical^{3, 5}

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 18II^{3, 5}

Image file

27.Chromosome distribution at anaphase I:18:18 distribution at A-I^{3, 5}

28. Genetic diversity:

Chromosomal level

Image file

DNA level

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