Species Data Sheet

Datasheet No. A-078.010.011 **DBT- Network Programme**
(family.genus.species)

1. Taxon:
Species:*Murdanniahookeri*(C.B. Clarke) G. Brückn.
Subspecies:
Variety:
Cultivar:
Hybrid:
Image file

2. Synonyms:*Aneilema bodinieri* H.Lév. &Vaniot,*A. hookeri* C.B.Clarke, *Floscopa cavaleriei* H.Lév.&Vaniot, *Phaeneilema hookeri* (C.B.Clarke) G.Brückn.,*Pollia cavaleriei* (H.Lév. &Vaniot) H.Lév.

3.Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Clade: Commelinids
- Order: CommelinalesMirb. exBercht. & J. Presl
- Family: Commelinaceae Mirb.
- Genus: *Murdannia* Royle
- Species: *M. hookeri*(C.B.Clarke) G.Brückn.

Bentham and Hooker (1862)
Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Coronarieae
Ordo: Commelinaceae Mirb.
Genus: *Murdannia* Royle
Species: *M. hookeri*(C.B.Clarke) G.Brückn.

4.Distribution:

Global: East Asia

India: Meghalaya

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

6.Threat Status:

IUCN:

BSI

7.Habit and Habitat: Herb.In grassland,this is high altitude plant

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value **Methodology:**

12.Basic chromosome number(s):

13. Zygotic chromosome number(s):2n=20[17]40[1,7]

14. Gametic chromosome number(s):n=10[2,3]

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): Euploidy[2]

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.Genomicin 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;Translocationsetc.):