

Species Datasheet

Datasheet No. A-028.012.005
(family.genus.species)

DBT- Network Programme

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1. Taxon:

Species *Homalomena pendula* (Blume) Bakh. f.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Arum purpureum* Thunb., *Caladium pendulum* Blume, *Homalomena alba* Hassk., *H. bancana* Alderw., *H. coerulescens* Jungh. ex Miq., *H. cordata* Zoll., *H. curvata* Engl., *H. discolor* Alderw., *H. gigantea* Engl., *H. major* Griff., *H. pontederifolia* Griff. ex Hook.f., *H. purpurea* (Thunb.) Backer, Backh.f. & Steenis, *H. rosea* Alderw., *H. rubra* Hassk., *Zantedeschia alba* K.Koch

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Order: Alismatales R. Br. ex Bercht. & J. Presl
- Family: Araceae Juss.
- Genus: *Homalomena* Schott
- Species: *H. pendula* (Blume) Bakh. f..

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Nudiflorae
Ordo: Aroideae Arn.
Genus: *Homalomena* Schott
Species: *H. pendula* (Blume) Bakh. f..

4. Distribution:

Global: Bangladesh to Lesser Sunda Island

India: East Himalaya, North East India.

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Herb, tropical Moist Forest

8. Life Form: Tuberous geophytes

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C- value

Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=40$ ¹

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):