

Species Datasheet

Datasheet No. A-028.005.028
(family.genus.species)

DBT- Network Programme

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1. Taxon:

Species *Arisaema propinquum* Schott

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Arisaema costatum* f. *propinquum* (Schott) H.Hara, *A. costatum* var. *sikkimense* (Stapf ex Chatterjee) H.Hara, *A. intermedium* var. *propinquum* (Schott) Engl., *A. ostiolatum* H.Hara, *A. sikkimense* Stapf ex Chatterjee, *A. wallichianum* Hook.f., *A. wallichianum* var. *sikkimense* (Stapf ex Chatterjee) H.Hara

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocotyledones
- Order: Alismatales R. Br. ex Bercht. & J. Presl
- Family: Araceae Juss.
- Genus: *Arisaema* Mart.
- Species: *A. propinquum* Schott

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Nudiflorae
Ordo: Aroideae Arn.
Genus: *Arisaema* Mart.
Species: *A. propinquum* Schott

4. Distribution:

Global: China, India, Nepal, Pakistan, Tibet

India: Arunachal Pradesh, East and West Himalaya, Kashmir, Uttarakhand, Sikkim

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Perennial tuberous herbs grows in moist deciduous forests

8. Life Form: Tuberous Geophyte

9. Economic Importance: Folk medicine

10. Probable Progenitor of:

11. DNA

C- value

Methodology

12. Basic chromosome number(s): $x=14$ ²¹

13. Zygotic chromosome number(s): $2n=26$ ^{20,41,50}
 $2n=28$ ^{2,24,26,42}

14. Gametic chromosome number(s): $n=14$ ²¹

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):