

Genus Datasheet

Datasheet No. A-028.007
(Family.Genus)

DBT- Network Programme

1. Genus: *Arum* L.

2. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Order: Alismatales R. Br. ex Bercht. & J. Presl
- Family: Araceae Juss.
- Genus: *Arum* L.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Nudiflorae
Ordo: Aroideae Arn.
Genus: *Arum* L.

3. Species:

Global: North East Iran to Central Asia and West Nepal

India: North West Himalaya

4. Taxonomic riddles:

5. Distribution:

Global: 38

India: 1

6. Habit and Habitat: Tuberous herb, amongst rocks in damp soil pockets and crevices, occasionally along damp field edges.

7. Economic Importance:

8. DNA content range:

Methodology:

9. Basic chromosome number(s): $x=14^1$

$x=16^1$

10. Zygotic chromosome number (s):

11. Gametic chromosome number (s):

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

13. Ploidy level:

14. Nature of polyploidy (auto, segmental, allo, autoallo):

15. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):

16. Karyograms:

Meiosis:

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship at Chromosomal; DNA level: DNA level ^{2, 3,4}

20. Cytogenetic mechanism (s) underlying evolution

21. Linkage map:

22. Any other information:

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