

Species Datasheet

Datasheet No. A-066.002.001
(family.genus.species)

DBT- Network Programme

1. Taxon: *Hypoxis* L.

Species: *Hypoxis aurea* Lour.

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. Synonyms: *Curculigo graminifolia* Nimmo, *Hypoxis frankquevillei* Miq., *Hypoxis minor* D. Don

3. Systematic Position: APG IV; Bentham and Hooker:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocot
- Order: Hypoxidales
- Family: Hypoxidaceae
- Genus: *Hypoxis* L.
- Species: *Hypoxis aurea*

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogams
- Class: Monocotyledons
- Series: Epigynae
- Ordo: Hypoxidaceae
- Genus: *Hypoxis* L.
- Species: *Hypoxis aurea*

4. Distribution:

Global: Indo-Malesia

India: West Himalayan, Kerala

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

6. Threat Status:

IUCN

BSI

7. Habit and Habitat: Herb

8. Life Form: Perennial

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value Methodology:

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=54^{1,2}$

14. Gametic chromosome number(s):

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

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16. Ploidy level:

Image file

17. Agametoploidy:

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

19. Genomic formula:

20. Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):

21. Somatic chromosomes:

Karyotype: Mostly sub-median and median ($9m+15sm+3st$)²

Chromosome size: Small²

NOR chromosome(s):

Degree of asymmetry: Symmetrical

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):