Species Datasheet

Datasheet No. A-061.057.009
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Goodyerarecurva*Lindl.

Subspecies:
Variety:
Cultivar
Hybrid

Image file

2. Synonyms:

Epipactisprainii (Hook.f.) A.A.Eaton
Epipactisrecurva (Lindl.) A.A.Eaton
*Goodyeraprainii*Hook.f.
Goodyerarecurva var. *prainii* (Hook.f.) Pradhan
Orchiodesrecurvum (Lindl.) Kuntze

3.Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link.
- Family: Orchidaceae Juss.
- Subfamily: Orchidoideae
- Tribe:Cranichideae
- Subtribe: Goodyerinae
- Genus: *Goodyera* R.Br.
- Species:*Goodyera recurva* Lindl.

Bentham and Hooker(1862)
Kingdom: Plantae
Division: Phanerogamia
Class:Monocotyledonae
Series: Microspermae
Ordo: Orchideae
Tribus: Neottieae
Subtribus: Spirantheae
Genus: *Goodyera* R.Br.
Species: *Goodyera recurva* Lindl.

4.Distribution:

Global: Chinese Himalayas, Assam and the eastern Himalayas, 200-2300m

India: Assam, Meghalaya, Nagaland, Arunachal Pradesh

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Terrestrial and also on mossy tree trunks in thick forests at about 1550m

8.Life Form: Cryptophytes

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value **Methodology**

12.Basic chromosome number(s): x=16[24, 26, 33]

13. Zygotic chromosome number(s): 2n=32[24]

14. Gametic chromosome number(s): n=16[24, 26, 33]

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

Image file

16.Ploidy level: Diploid[24, 26, 33]

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 meiosis14 II's and a ring IV (indicating structural heterozygosity) at M-I in 90% of PMC's, secondary associations frequent[26, 33]

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.): Translocation[26, 33]