

Species Datasheet

Datasheet No. A-061.070.009
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Peristylus goodyeroides* (D. Don) Lindl.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

[*Digomphotis undulata* Raf.](#) [Illegitimate]

[*Habenaria glaucescens* Ridl.](#)

[*Habenaria goodyeroides* D. Don](#)

[*Habenaria goodyeroides* var. *affinis* King & Pantl.](#)

[*Habenaria goodyeroides* var. *formosana* Hayata](#)

[*Habenaria grandis* Benth. ex Ridl.](#)

[*Habenaria hayatana* Schltr.](#)

[*Habenaria hollandiae* \(J.J. Sm.\) Schltr.](#)

[*Habenaria lauterbachii* Kraenzl. ex K. Schum. & Lauterb.](#) [Invalid]

[*Habenaria pandurilabia* Schltr.](#)

[*Habenaria tenii* Schltr.](#)

[*Herminium goodyeroides* Lindl. ex Wall.](#) [Invalid]

[*Peristylus hollandiae* J.J. Sm.](#)

[*Peristylus horsfieldii* Blume](#)

[*Peristylus sphaerocentron* Tang & F. T. Wang](#)

[*Peristylus warburgianus* Kraenzl.](#)

[*Platanthera horsfieldii* \(Blume\) N  ves](#)

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Orchidaceae Juss.
- Subfamily: Orchidoideae
- Tribe: Orchideae
- Subtribe: Orchidinae
- Genus: *Peristylus* Blume
- Species: *Peristylus goodyeroides* (D. Don) Lindl.

4. Distribution:

Global: Bangladesh, Borneo, Cambodia, China South-Central, China Southeast, East Himalaya, India, Jawa, Laos, Lesser Sunda Is., Malaya, Maluku, Myanmar, Nepal, New Guinea, Philippines, Sulawesi, Sumatera, Taiwan, Thailand, Vietnam

India: Andhra Pradesh, Arunachal Pradesh, Assam, Bihar, Chhattisgarh, Himachal Pradesh, Jharkhand, Karnataka, Kerala, Madhya Pradesh, Manipur, Meghalaya, Mizoram, Odisha, Sikkim, Tripura, Uttarakhand, Tamil Nadu, West Bengal

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Medium to large sized herbs, warm to cold growing terrestrial in broadleaved forests and grassy slopes.

8.Life Form: Cryptophytes

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=21^{1, 8, 12, 13, 21}, 23^{3, 5, 16, 17, 20}$

13. Zygotic chromosome number(s): $2n=42^{1, 8, 12, 13, 21}, 46^{3, 5}, 46+1-3B^{16, 17}$

14. Gametic chromosome number(s): $n=23+1-3Bs^{17, 20}$

15.Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene

chromosomes/Neocentric chromosomes): $23+2f^3$

Image file

16.Ploidy level:Diploid $^{1, 3, 5, 8, 12, 13, 16, 17, 20, 21}$

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: ^{6, 8, 13}

Karyotype Median, submedian, 3 pairs subterminal^{6, 8, 13}

Chromosome size Small to medium^{6, 8, 13}

NOR chromosome(s)

Degree of asymmetry Symmetrical^{6, 8, 13}

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 23 II's + 1-3 B's ^{17, 20}

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; Translocation etc.):