

Species Datasheet

Datasheet No. A-061.070.007
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Peristyluselisabethae* (Duthie) R.K.Gupta

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Habenariaelisabethae Duthie

Herminiumelisabethae (Duthie) Tang & F.T. Wang

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: *Peristyluselisabethae* (Duthie) R.K.Gupta

4. Distribution:

Global: Chinese Himalayas, India (western and eastern Himalayas), Bhutan and Nepal, 2200-4000m

India: Sikkim, West Bengal, Himachal Pradesh, Uttarakhand

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Small terrestrial tuberous herb grows in coniferous broad leaved mixed forests and open grasslands of temperate to subalpine regions at about 2200m elevation.

8. Life Form: Cryptophytes

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=21^{7, 9, 10, 13}$

13. Zygotic chromosome number(s): $2n=42^{7, 9, 10, 13}$

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

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

Image file

16.Ploidy level:Diploid^{7, 9, 10, 13}

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:^{6, 7, 13}

Karyotype Median, submedian, bimodal^{6, 7, 13}

Chromosome sizeSmall^{6, 7, 13}

NOR chromosome(s)

Degree of asymmetry Symmetrical^{6, 7, 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

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.):**