

# Species Datasheet

Datasheet No. A-061.047.004  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

**Species:** *Dactylorhiza viridis* (L.) R.M.Bateman, Pridgeon & M.W.Chase

Subspecies:

Variety:

Cultivar

Hybrid

Image file

## 2. Synonyms:

[\*Chamorchisviridis\* \(L.\) Dumort.](#)

[\*Coeloglossumbracteatum\* var. \*kashmiricum\* Soó](#)

[\*Coeloglossumislandicum\* \(Lindl.\) Kom](#)

[\*Coeloglossumkaschmirianum\* Schltr.](#)

[\*Coeloglossumnankotaizanense\* \(Masam.\) Masam](#)

[\*Coeloglossumnankotaizanensis\* \(Masam.\) S.S. Ying](#)

[\*Coeloglossumtaiwanianum\* S.S. Ying](#)

[\*Coeloglossumvaillantii\* \(Ten.\) Schur](#)

[\*Coeloglossumviride\* \(L.\) Hartm.](#)

[\*Coeloglossumviride\* subsp. \*bracteatum\* \(Muhl. ex Willd.\) Hultén](#)

[\*Coeloglossumviride\* f. \*brevibracteatum\* Asch. & Graebn.](#)

[\*Coeloglossumviride\* var. \*collinum\* Rupp ex W. Zimm.](#)

[\*Coeloglossumviride\* f. \*collinum\* \(Rupp ex W. Zimm.\) Höppner](#)

[\*Coeloglossumviride\* f. \*dentatum\* Zapal.](#)

[\*Coeloglossumviride\* f. \*gracillimum\* Schur](#)

[\*Coeloglossumviride\* f. \*grandiflorum\* Zapal.](#)

[\*Coeloglossumviride\* f. \*islandicum\* \(Lindl.\) O. Gruss & M. Wolff](#)

[\*Coeloglossumviride\* subsp. \*islandicum\* \(Lindl.\) Kreutz](#)

[\*Coeloglossumviride\* var. \*islandicum\* \(Lindl.\) M. Schulze](#)

[\*Coeloglossumviride\* f. \*lancifolium\* Rohlena](#)

[\*Coeloglossumviride\* f. \*longibracteatum\* Asch. & Graebn.](#)

[\*Coeloglossumviride\* f. \*microbracteatum\* Schur](#)

[\*Coeloglossumviride\* f. \*parviflorum\* Höppner](#)

[\*Coeloglossumviride\* f. \*purpureum\* Schur](#)

[\*Coeloglossumviride\* var. \*rhenanum\* Höppner](#)

[\*Coeloglossumviride\* var. \*subalpinum\* Rupp ex W. Zimm.](#)

[\*Coeloglossumviride\* var. \*thuringiacum\* Rupp ex W. Zimm.](#)

[\*Coeloglossumviride\* f. \*thuringiacum\* \(Rupp ex W. Zimm.\) Höppner](#)

[\*Coeloglossumviride\* var. \*vaillantii\* \(Ten.\) Thell.](#)

[\*Dactylorhizaviride\* \(L.\) R.M. Bateman, Pridgeon & M.W. Chase](#)

[\*Dactylorhizaviridis\* var. \*viridis\*](#)

[\*Entaticusviridis\* \(L.\) Gray](#)

[\*Gymnadeniaviridis\* \(L.\) Rich.](#)

[\*Habenariaviridis\* \(L.\) R.Br.](#)

*Herminium nankotaizanense* Masam.  
*Himantoglossum viride* (L.) Rchb.  
*Orchis batrachites* Schrank  
*Orchis ferruginea* (F.W.Schmidt) F.W.Schmidt  
*Orchis virens* Scop.  
*Orchis viridis* (L.) Crantz  
*Orchis viridis* var. *major* Tinant  
*Orchis viridis* var. *vaillantii* Ten.  
*Peristylus islandicus* Lindl.  
*Peristylus montanus* Schur  
*Peristylus viridis* (L.) Lindl.  
*Peristylus viridis* var. *macrobracteatus* Schur  
*Platanthera islandica* (Lindl.) Kraenzl.  
*Platanthera nankotaizanensis* (Masam) Masam.  
*Platanthera viridis* (L.) Lindl.  
*Satyrium alpinum* F.W.Schmidt  
*Satyrium bracteatum* Pers. [Illegitimate]  
*Satyrium ferrugineum* F.W.Schmidt  
*Satyrium fuscum* Huds.  
*Satyrium lingulatum* Vill.  
*Satyrium viride* L.  
*Sieberiaviridis* (L.) Spreng.

### 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: *Dactylorhiza* Neck. ex Nevski
- Species: *Dactylorhiza viridis* (L.) R.M.Bateman, Pridgeon & M.W.Chase
- Subspecies:
- Variety:

#### Bentham and Hooker (1862)

Kingdom: Plantae  
 Division: Phanerogamia  
 Class: Monocotyledonae  
 Series: Microspermae  
 Ordo: Orchideae  
 Tribus: Ophrydeae  
 Genus: *Orchis* Tourn. ex L.  
 Species: *Orchis viridis* (L.) Crantz

### 4. Distribution:

**Global:** Temperate Eurasia and North America 100–4500m

**India:** Western and Eastern Himalayas

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

### 6. Threat Status:

**IUCN:**

**BSI:**

**7.Habit and Habitat:**Terrestrial, grows on open slopes at 2600m

**8.Life Form:**Herbaceous, perennial

**9.Economic Importance:**ornamental

**10. Probable Progenitor of:**

**11.DNA**

**C-value            Methodology**

**12.Basic chromosome number(s):** $x=20$ <sup>3, 6, 10, 12, 19, 20, 21, 22, 23, 24, 25, 26, 31, 32, 36, 40, 43, 44, 47, 48</sup>,  
 $21$ <sup>6, 22, 34, 35, 46</sup>

**13. Zygotic chromosome number(s):** $2n=40$ <sup>3, 6, 10, 12, 19, 20, 21, 22, 23, 24, 25, 26, 31, 32, 36, 40, 43, 44, 47, 48</sup>  
 $42$ <sup>6, 22</sup>

**14. Gametic chromosome number(s):** $n=20$ <sup>19, 20, 31, 32</sup>,  $21$ <sup>34, 35, 46</sup>

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

Image file

**16.Ploidy level:**Diploid<sup>3, 6, 10, 12, 19, 20, 21, 22, 23, 24, 25, 26, 31, 32, 34, 35, 36, 40, 43, 44, 46, 47, 48</sup>

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**

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## **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** 20II<sup>19, 20, 31, 32</sup>, 21II<sup>35</sup>

Image file

## **27. Chromosome distribution at anaphase I: 20:20 segregation at A-I<sup>19, 20, 32</sup>**

## **28. Genetic diversity:**

### **Chromosomal level**

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### **DNA level**

## **29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocation etc.):**