

Species Datasheet

Datasheet No. A-061.030.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Chelonistele sulphurea* (Blume) Pfitzer

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Chelonanthera sulphurea Blume

Chelonistele kutaiensis (J.J.Sm.) Carr

Chelonistele perakensis (Rolfe) Ridl.

Chelonistele pinniloba (J.J.Sm.) Carr

Chelonistele pusilla (Ridl.) Ridl.

Chelonistele sulphurea var. *sulphurea*

Coelogyne beyrodtiana Schltr.

Coelogyne crockewitii Teijsm. & Binn.

Coelogyne cuneata J.J.Sm.

Coelogyne decipiens Sander

Coelogyne kutaiensis J.J.Sm.

Coelogyne perakensis Rolfe

Coelogyne pinniloba J.J.Sm.

Coelogyne pusilla Ridl.

Coelogyne ramosii Ames

Coelogyne sulphurea (Blume) Rchb.f.

Pholidotapusilla (Ridl.) Kraenzl.

Pleionecrockewitii (Teijsm. & Binn.) Kuntze

Pleione sulfurea (Blume) 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: *Cheirostylis* Blume
- Species: *Chelonistele sulphurea* (Blume) Pfitzer

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledonae
Series: Microspermae
Ordo: Orchideae
Tribus: Epidendreae
Subtribus: Colleogyneae
Genus: *Coelogyne* Lindl.
Species: *Coelogyne sulphurea* (Blume) Rchb.f.

4.Distribution:

Global:Peninsular Malaysia, Borneo, India, Sumatra, Java and the Philippines, 600-2700m

India: Eastern Himalayas

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Grows as epiphyte in rather exposed conditions near the top of tall trees in low rainfall areas at 600 m

8.Life Form: Phanerophyte

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=20^{1,2}$

13. Zygotic chromosome number(s): $2n=$

14. Gametic chromosome number(s): $n=20^{1,2}$

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

Image file

16.Ploidy level:Diploid^{1,2}

Image file

17.Agamætoploidy:

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 meiosis2011^{1, 2}

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.):