

# Final Species Datasheet JamU+CaIU+SUK-Phase I

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Datasheet No. A-416.019.001  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

Species: *Elwendia persica* (Boiss.) Pimenov&Kljuykov  
Subspecies  
Variety  
Cultivar  
Hybrid

Image file

2. **Synonyms:** *Bunium persicum* (Boiss.) B.Fedtsch., *Carum heterophyllum* Regel &Schmalh., *C. persicum* Boiss., *Pimpinella cyminosma* (Basiner) Koso-Pol., *Sium cyminosma* Basiner

## 3. Systematic Position:

### APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicot
- Clade: Asterids
- Clade: Campanulids
- Order: Apiales Nakai
- Family: Apiaceae Lindl.
- Genus: *Elwendia* Boiss.
- Species: *E. persica* (Boiss.) Pimenov&Kljuykov

### Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Calyciflorae
- Cohors: Umbellales
- Ordo: Umbelliferae Juss.
- Genus: *Elwendia* Boiss.
- Species: *E. persica* (Boiss.) Pimenov&Kljuykov

## 4. Distribution:

**Global:** Afghanistan, India, Iran, Kirgizstan, Pakistan, Tadzhikistan, Turkmenistan, Uzbekistan

**India:** Himachal Pradesh, Jammu and Kashmir

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

## 6. Threat Status:

IUCN

BSI

7. **Habit and Habitat:** Herb; Dry scrubby slopes in the Himalayas

8. **Life Form:** Tuberous Geophyte

9. **Economic Importance:** Used as a flavoring

10. **Probable Progenitor of:**

## 11. DNA

C-value

Methodology

**12. Basic chromosome number(s):**

**13. Zygotic chromosome number(s):**  $2n=14^{1,2,3,4}$ ,  $2n=22^5$

**14. Gametic chromosome number(s):**

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

Image file

**16. Ploidy level:**

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:**

**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 meiosis**

Image file

**27. Chromosome distribution at anaphase I:**

**28. Genetic diversity:**

**Chromosomal level**

Image file

**DNA level<sup>6</sup>**

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