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## Chromosome number and meiotic behavior in several plant taxa from Iran

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### Abstract

Original meiotic or both meiotic and mitotic chromosome numbers are reported for ten endemic and one non endemic species in nine vascular plant families from Iran. The chromosome numbers of *Acantholimon schahrudicum*, *A. truncatum*, *Anthochlamys multinervis*, *Campanula perpusilla*, *Cousinia calcitrapa* var. *interrupta*, *Dorema ammoniacum*, *Euphorbia gedrosiaca*, and *Hyocyanus orthocarpus* were determined for the first time. The chromosome counts for *Astrodaucus persicus* and *Hedysarum criniferum* agree with previous ones. The gametic chromosome numbers for *Hedysarum criniferum* and *Allium stipitatum* are reported here for the first time. The occurrence of accessory chromosomes are also reported for *Acantholimon schahrudicum* and *Dorema ammoniacum*, being the first records of B chromosomes in the genera *Acantholimon* and *Dorema*.

### Author Keywords

karyology, B chromosome, mitosis, meiosis, endemic plants

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