

عنوان مقاله:

(KARYOTYPIC VARIATION IN FIVE SPECIES OF THE GENUS FRITILLARIA (LILIACEAE)

محل انتشار:

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نویسندگان:

.Fatemeh Hazbavi - Department of Biological Science and Biotechnology, University of Kurdistan, Sanandaj, Iran

.Shahla Hosseini - Department of Biological Science and Biotechnology, University of Kurdistan, Sanandaj, Iran

Ghader Mirzaghaderi - Department of Agronomy and Plant Breeding, Faculty of Agriculture, University of Kurdistan, Sanandaj, Iran

Mahfooz Advay - Department of Plant Sciences, School of Biology, College of Science, University of Tehran, Tehran, Iran

خلاصه مقاله:

In this study, karyotypes of five Fritillaria species including *F. avromanica*, *F. assyriaca*, *F. chlorantha*, *F. persica* and *F. raddeana* belonging to three subgenera are presented. All species were diploid ($2n = 2x = 24$) with mean chromosome length of $15.86 \mu\text{m}$. Four chromosome types ("m", "sm", "st", "T") made five different karyotypic formula. Chromosome count of *F. avromanica* ($2n = 2x = 24$) is a new report. Analysis of variance for eight chromosomal parameters revealed inter specific chromosomal variation. Based on different karyotype asymmetry indices including TF %, CV %, A₂, A₁, AsK %, S%, *F. assyriaca* had the most asymmetrical karyotype. Based on Fluorescence in situ hybridization result, ۴ and ۶, ۳۵S rDNA loci were observed for *F. raddeana* and *F. persica* respectively, which mainly located at distal or telomeric regions of chromosomes

کلمات کلیدی:

Liliaceae, Fritillaria, cytogenetic, Fish, NOR

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