

Chromosome Banding of Lotus corniculatus and related diploid species

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Banding patterns of chromosomes of Lotus corniculatus L. and of ten closely related diploid species are being examined in order to better characterize the karyotypes of the "Lotus corniculatus group" so that the theoretical diploid ancestry for the tetraploid cultivated species might be clarified. Several types of chromosome banding, including Hy-, N-, and C-banding, are being attempted. Unambiguous identification of each species karyotype and of individual chromosomes within karyotypes is the goal of this study.