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多星韭B染色体频率随海拔的变化及其对营养生长和生殖生长的影响

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The variance of B chromosome frequency in *Allium wallichii* Kunth with altitude and the effect on vegetative and reproductive growth

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全文: PDF (288 KB) HTML (KB) 输出: BibTeX | EndNote (RIS) 背景资料

摘要 目前有关B染色体在居群中数目多态保持有2种传统观点:杂合优势模型和寄生模型.最近Cama-cho等提出其多态是变化发展的.对梁王山多星韭(*Allium wallichii* Kunth)二倍体自然居群中的Bs进行初步分析,发现植株根尖Bs数目恒定且多以低数目(1~2条)存在.统计分析表明Bs频率与海拔高度呈显著正相关,但Bs对多星韭的分蘖、鲜重以及小花数的影响均不显著.讨论了Bs对多星韭居群的适应意义,认为多星韭中的Bs出现于生态条件相对恶劣的环境中.

关键词： 多星韭 B染色体 适应

Abstract： There are two traditional views about the processes that maintain B chromosome polymorphisms in populations at present,which are the parasitic model and the heterotic model.Recently Camacho et al,proposed the polymorphisms of Bs is changing and developing.The primary analysis of Bs in natural diploid populations of *Allium wallichii* Kunth at Liangwang mountain found that the number of Bs in roots of plants is constant and mostly 1-2.The statistic analysis showed that the frequency of Bs is significantly positive correlated with altitude but respectively there is no significant effect between Bs and tiller,fresh weight,flowers of *A.wallichii*.The adaption of Bs in population of *A.wallichii* was discussed and Bs of *A.wallichii* often existing at relatively adverse environment is adversed.

Key words： *Allium wallichii* Kunth B chromosome adaption

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