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THE POLYTENE CHROMOSOMAL PATTERN OF ANOPHELES STEPHENSI MYSORENSIS

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Abstract:

The *Anopheles stephensi mysorensis* originating from Kazeroon area south of Iran, which had been maintained at the laboratory conditions of at 70% relative humidity for almost 150 generations, were subjected to cytogenetical analyses. The 'instant' landmarks in the squash preparations of the salivary gland chromosomes are indicative of cytotaxonomic characteristics of the species. The characteristic features of the banding patterns are as follows: Darkly stained oblique bands at Zones 4A and 4B , also the terminal ringed bands at zone 6C: The asynaptic loop at zone 20 and its point of attachment to 2R chromosome; the puffs at zones 21, 24, 27& 28 of 21 chromosome; the well defined puff at zone 19 of 2R chromosome , with its characteristic terminal endings; darkly-stained thick bands at zones32, 33 & 36; weekly-stained zone 37 and funnel shaped terminal ending of 3L chromosome at zone 46.

Keywords:

[Polytene chromosome](#)

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