

Karyotype and C-banding patterns of the katydid *Mecopoda elongata* (L.) (Orthoptera, Tettigoniidae, Mecopodinae) from Amami Is. (Japan) and Borneo (Malaysia)

ABSTRACT

Two types of the karyomorphs in the katydid *Mecopoda elongata* (L.) from Borneo (Malaysia) and Amami Is. (Japan) were found. The chromosomal complement of *M. elongata* from Amami Is. and one karyomorph from Borneo (Kota Kinabalu – song 1) consists of 28 autosomes plus the X in the male ($2n=29$). In two long pairs, pair L1 is metacentric, whereas pair L2 is subacrocentric. Other autosomes are meta or submetacentric. The size and shape of the X chromosome is similar to the L1 pair. "Kota Kinabalu - song-2" karyomorph has the same chromosome number as "KK song-1" and "Amami". However, in "KK song-2" the autosomes belonging to L2 pair are metacentric. The size of these chromosomes is approximately similar to the L1 pair and the X chromosome. The discrete chromosome differentiation in *M. elongata* suggest that this species consists of several biological species. In *M. elongata* from Borneo, the assumption of a belonging of two groups of the karyomorphs to different species proves to be true also in differences in crepitating.