Genetic Diversity of Multicolored Asian Ladybird Beetle, *Harmonia axyridis** Populations and Their Variable Color Patterns on RAPD Markers

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The multicolored asian ladybird beetle, *Harmonia axyridis* is native to eastern Asia and has attracted attention from geneticists because its color and spotting patterns are among the most variable of the Coccinellidae. This species has 4 elytral color patterns, succinia, conspicua, spectabillis, and axyridis. In this study, in order to investigate genetic diversities according to their variable color patterns, total genomic DNA was isolated using a CTAB based protocol and using the URP primers, the Randomly amplified Polymorphic DNA (RAPD) method was carried out. Also, the same experiment described above was performed to certify whether genetic differentiation among 5 ladybird populations from five sampling sites in Daejeon and Chungnam Province was present. Bands from URP Primers and Operon Primers were analyzed. As a result, we could find RAPD markers which were able to distinguish.