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### On the Cocoon Characteristics of European Races Maintained as Genetic Resource

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#### Abstract

We made reports on the characteristics of Japanese and Chinese regional silkworm races in the previous papers. In this paper, the many quantitative characteristics of European silkworm races were analyzed. There are 46 of the European silkworm races (they are regional silkworm races) maintained as the genetic resources at National Institute of Agrobiological Sciences, Japan. The quantitative characteristics of European races have been clarified by the correlation analyses among many cocoon qualities. These characteristics were condensed into a few over all characteristics by 'Multivariate Analysis'. Further, the correlations between the overall characteristics and quantitative characteristics were clarified. In conclusion, we examined the quantitative characteristics of the European silkworm races by the interpretation of the overall characteristics from the viewpoint of filature.

#### Keywords

Silkworm genetic resource, European races, Quantitative characteristics

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