

Analysis of GENJI Firefly (*Luciola cruciata*) Mitochondrial DNA



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Research Contents Geographical distribution of mtDNA polymorphism in the GENJI Firefly.

Main research field is molecular biology, especially genetic engineering. We are investigating the geographical distribution of mitochondrial DNA polymorphism in the Genji Firefly (*Luciola cruciata*).

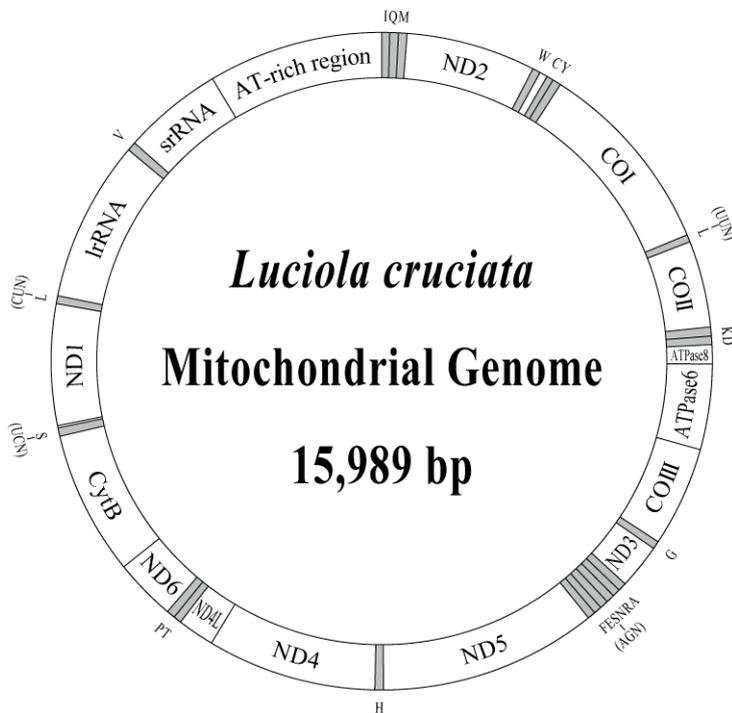


Fig. 2 Map of the mitochondrial genome of *Luciola cruciata*. COI, COII, and COIII refer to the cytochrome oxidase subunits, CytB refers to cytochrome b, and ND1–6 refer to NADH dehydrogenase subunits. tRNAs are shown by the shaded blocks and are labeled according to the single letter amino acid codes.



Fig. 1 *Luciola cruciata* inhabiting Fukushima.

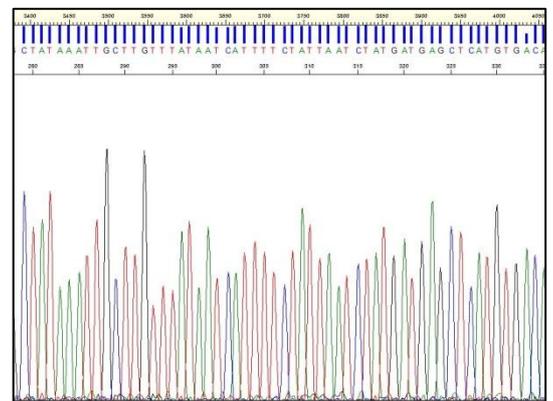


Fig. 3 Analysis of a nucleotide sequence.

Available Facilities and Equipment

ABI PRISM® 310 Genetic Analyzer	