# Research Activity Report Supported by "Leading Graduate Program in Primatology and Wildlife Science"

(Please be sure to submit this report after the trip that supported by PWS.)

	2019/01/27
Affiliation/Position	Wildlife Research Center/M1
Name	Tamao Maeda

### 1. Country/location of visit

PRI, Inuyama, Aichi, Japan

## 2. Research project

Genome Science Course

# 3. Date (departing from/returning to Japan)

2018/11/12-2018/11/16

#### 4. Main host researcher and affiliation

Dr. T Hayakawa, professor at PRI. Dr. T Kishida, professor at WRC.

#### 5. Progress and results of your research/activity (You can attach extra pages if needed)

Please insert one or more pictures (to be publicly released). Below each picture, please provide a brief description.

The goal of this course was to obtain and analyze the mtDNA sequence of Yakusika deer and Yakushima macaques from the fecal samples collected during the Yakushima Field Science Course.

For monkeys, we detected 3 haplotypes and found distribution change of one haplotype in 16 years. Japanese macaques are known to relatively long lifespan, 20-30 years, so it was very surprising that such change occurred in the relatively short time period.

Since we had few deer samples, we compared the DNA sequences of another Sika deer subspecies, like Goto Islands, Kerama Islands, Kyusyu and Tsushima.

The results were poster presented at the 9th International Seminar on Biodiversity and Evolution and we submitted a report to the lecturers. We are very glad for having nice discussions at symposiums. I look forward to data accumulation and further discovery on the genetic distribution of macaques and deer in the future course.

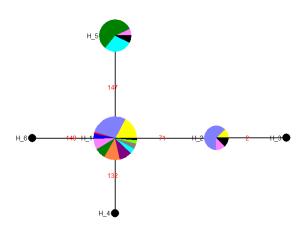


Fig 1. Haplotype network of Yakushima macaques.

Different colors represent different regions where

the fecal samples were collected.

#### 6. Others

Submit to: report@wildlife-science.org 2014.05.27

version

# Research Activity Report Supported by "Leading Graduate Program in Primatology and Wildlife Science"

(Please be sure to submit this report after the trip that supported by PWS.)

Acknowledgement: I appreciate PWS for supporting this trip. I am also grateful to Dr. T Hayakawa and. Dr. Kishida for organizing the course

Submit to: report@wildlife-science.org 2014.05.27

version