

**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.)

2017. 11, 21

<b>Affiliation/Position</b>	Graduate School of Agriculture/D1
<b>Name</b>	Yayan Wahyu Candra Kusuma

<b>1. Country/location of visit</b>
Japan, Graduate School of Science (Kyoto University)
<b>2. Research project</b>
Genome Science Course, Japanese Monkey project
<b>3. Date (departing from/returning to Japan)</b>
2017. 11. 13 – 2017. 11. 17 (5 days)
<b>4. Main host researcher and affiliation</b>
Dr. Takushi Kishida, Assistant Professor at WRC, Kyoto University
<b>5. Progress and results of your research/activity</b> (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.
<p>In the Genome Science Course, we worked together at the molecular laboratory in Graduate School of Science, Kyoto University. We extracted Japanese monkey’s DNA from feces samples using QIamp Stool mini kit. We then amplified the mtDNA control region using the primers from Hayasaka et al., (1991) and additional internal primers for sequencing (Kawamoto et al, 2007). At the end, the data was analyzed using MEGA7 software for sequence refinement and alignment.</p> <p>Out of 78 samples that were successfully extracted, only 37 samples were finally sequenced and analyzed. Our results showed that 29 samples belonged to Y1 and 3 samples belonged to Y2 haplotypes. We dropped several samples due to suspected sequencing error. We also found interesting results where samples with Y2 haplotype were located far away from what Hayaishi and Kawamoto reported in 2006. Additionally, we also detected another new haplotype in one of our sample which suggested a transition mutation from G to A, thus we consider it as Y4 haplotype. This haplotype was also found in a sample which located in the different site from Hayaishi and Kawamoto (2006).</p> <p>We reported our findings in the International seminar held by WRC in November 20<sup>th</sup>, 2017 in Kyoto University and having a wonderful discussion with Kawamoto sensei. Overall, this was a great and wonderful experience to learn about genomic work and analyses.</p>
 <p><i>International Seminar on Nov 20<sup>th</sup>, at Science House, Kyoto University</i></p>
<b>6. Others</b>