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| **Summary of the KAKENHI project for this application**In this column, a summary of research objectives of the KAKENHI project on which this application is based should be described. Its details should be described in page 4. |
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| **The analysis requested**In this column, the list of analysis that you request in this application should be described, indicating the category of analysis; 1) de novo genome sequencing, 2) variation analysis by re-sequencing, 3) epigenome analysis, 4) RNA analysis, 5) metagenome analysis, 6) high sensitivity analysis, 7) data analysis only, and then details of the analysis should follow. The description should contain relevant information e.g., preferred sequencing platform, genome size of the target organisms, sample number, sequencing coverage and so on, which should be quantitative together with the reasons why the amount of analysis and methods are necessary. Note that the analysis should be finished by the end of FY2019. |
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| **Reasons for application to PAGS support** In this column, the following 6 items should be described within 2 pages |
| 1) Why is the requested analysis necessary to your KAKENHI project?2) What outcome is expected by receiving the PAGS support? What plan and research team are prepared toward the outcome?3) What is the reason why you need the PAGS support but not commercial services.4) What is the novelty of the requested analysis and its outcome in genome science? What is the positioning of this application in the relevant field?5) When will be the samples for analysis available? What is the plan to utilize the results of the analysis?6) Have you ever been selected for the PAGS support? (　 ) No =>Action unnecessary. (　 ) Yes => Describe when and what analysis you were provided by the PAGS support, and what the outcome was. |
| **Reasons for application to PAGS support (continued)**  |
| **The usage of human-derived samples**In this column, the applicant should indicate by ticking the corresponding checkbox whether the requested analysis contains human-derived samples and, if it does, whether the usage of the samples needs the approval by the IRB. The relevant information and/or documents should be provided.  |
| (　 ) The requested analysis does not contain human-derived samples. => No action is necessary.(　 ) The requested analysis contains human-derived samples and needs the approval by IRB. => The documents indicated in the check sheet \*1 should be attached.( 　) The requested analysis contains human-derived samples but does not need the approval by IRB. => The reason for exemption, e.g. commercially available cells, and the sample information such as source information, catalog numbers of the samples, etc. should be described below.  |
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| **The usage of foreign country-derived samples** In this column, the applicant should provide the sample information and indicate whether the samples are derived from countries other than Japan and whether the samples are subjected to the legislation based on the Convention of Biological Diversity and the Nagoya Protocol.  |
| (　 ) The samples are not derived from countries other than Japan. => No action is necessary.(　 ) The samples are derived from countries other than Japan, and they have been obtained by a proper procedure. => Procedure of acquisition and the sample information should be described.(　 ) The samples are derived from countries other than Japan, but they are not subjected to any regulations. => The reason for exemption and the sample information should be described.(　 ) Don't know. => The sample information should be described.Sample information (organisms, type of sample, derived country, means of acquisition, etc.) |

\*1) The check sheet can be downloaded at the PAGS web site

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| **Research Objectives of the KAKENHI project for this application**　In this column details of research objectives of the KAKENHI project on which this application is based should be described on the following 3 points within 2 pages.  |
| (1) Scientific background for the proposed research, and the “key scientific question” comprising the core of the research plan, (2) What will be elucidated, and to what extent and how will it be pursued during the research period?(3) The purpose, scientific significance, and originality of the research project,  |
| **Research Objectives of the KAKENHI project for this application (continued)** |

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| **Research Achievements**Key publications relevant to this application should be described within a page. Applicant's name should be underlined. |
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