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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) single cell analysis, 7)　 spatial multiomics, 8) 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 FY2023. |
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| **Reasons for application to PAGS support**  In this column, describe on the following 6 items 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 choose 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. In particular, if you have received PAGS support 2021 and/or 2022, describe a) progress of the previous support, and b) difference from the previous application clearly. | | |
| **Reasons for application to PAGS support (continued)** |
| **On foreign country derived samples**  Analysis of materials derived from foreign countries (the countries other than Japan) must abide by the countries' regulations based on the Convention on Biological Diversity and the Nagoya Protocol. The PAGS support cannot be provided if the samples for analysis are not in compliance with these regulations.  ※The applicant should provide the relevant information on the WEB application system. The list of the information is included in the Excel file downloaded together with this application form. You are advised to fill in the list in advance. |

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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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