Usage Report for Fiscal Year 2024

Project Title:

Uncovering human origins and millennia of genome evolution through whole-genome genealogies

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１. Background and purpose of the project, relationship of the project with other projects

We will develop and apply new statistical techniques that leverage large-scale modern and ancient genomic datasets to understand the key drivers of evolution.

２. Specific usage status of the system and calculation method

I joined RIKEN in November 2024. Since then, I have used 31681.6 CPU hours (according to the HOKUSAI webpage).

３. Result

I have set up the key infrastructure to start projects and will be utilizing HOKUSAI more intensively in future.

４. Conclusion

HOKUSAI will be essential for my group to leverage large-scale genomic datasets going forward.

５. Schedule and prospect for the future

We will expand our usage of HOKUSAI, likely requesting more storage space and compute hours in FY 2025.