



Majorbio Cloud: An integrated platform for single-omics and integrated multi-omics analysis of microbiome and metabolome.

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Introduction



Single-omics & multi-omics integration



Default & customizable dual-mode parameters



Standardized analysis pipeline & advanced analyses



One-click color scheme modification



Untargeted metabolomics and targeted metabolomics cloud platform analysis workflow

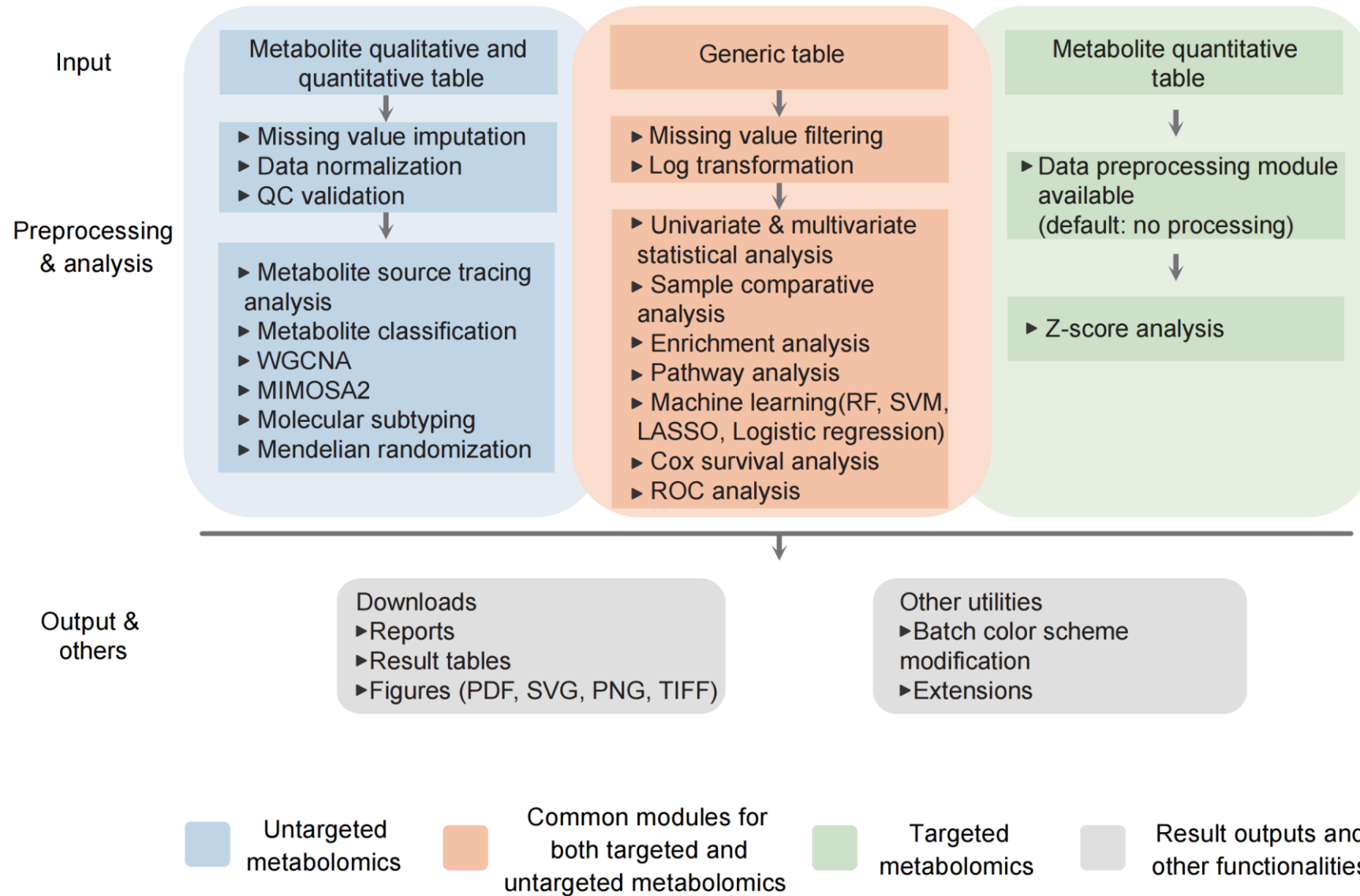


Figure 1. Untargeted metabolomics and targeted metabolomics cloud platform analysis workflow.



Microbiome-metabolome integrated analysis workflow

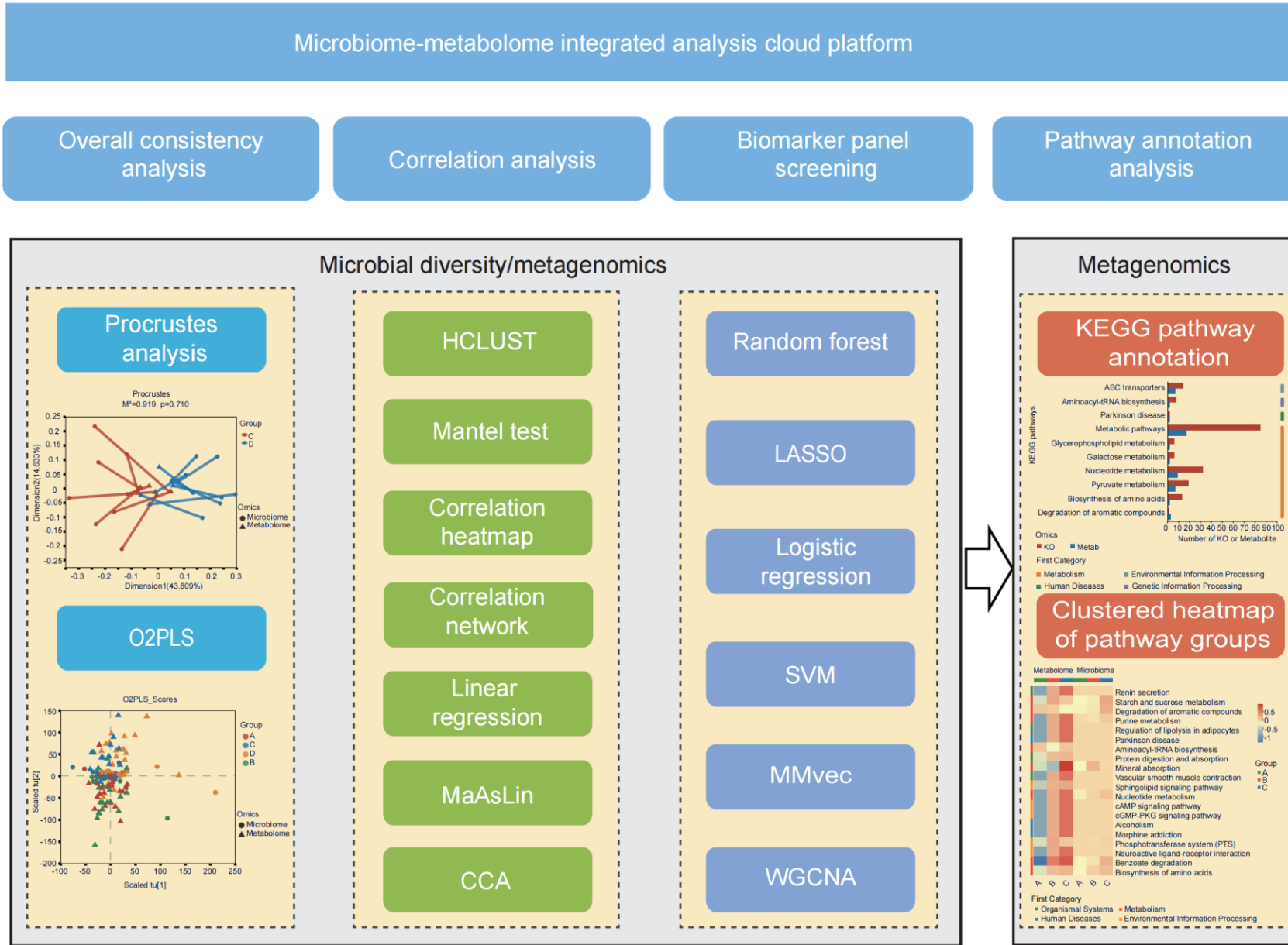


Figure S1. Microbiome-metabolome integrated analysis workflow.



Case study

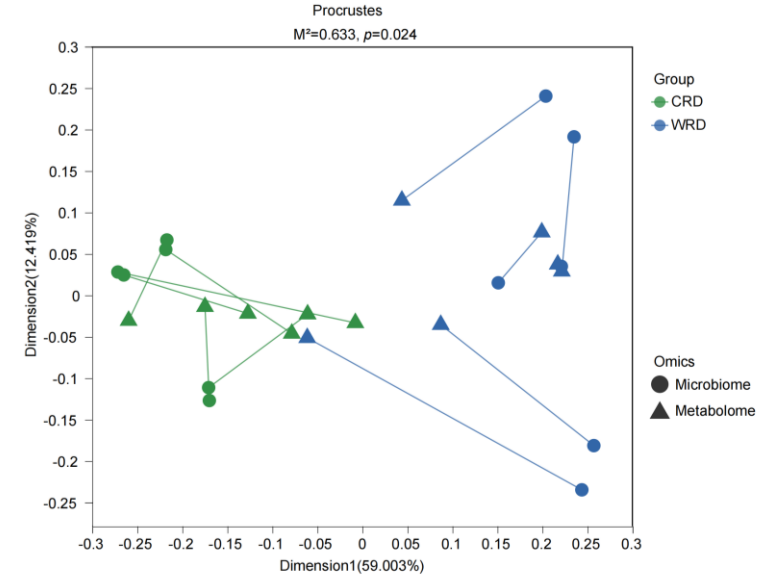
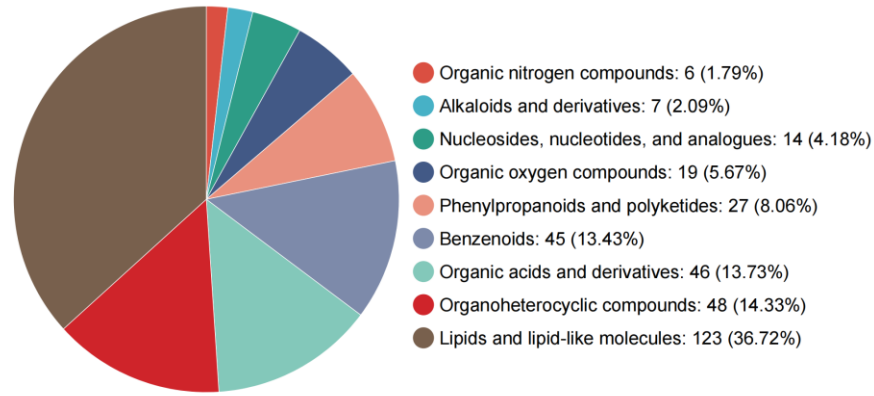
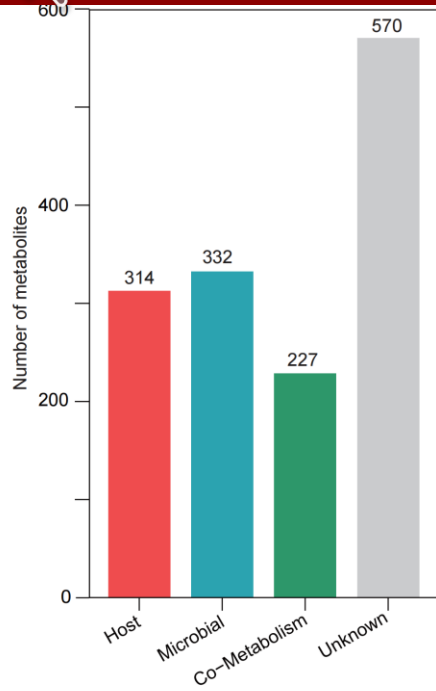
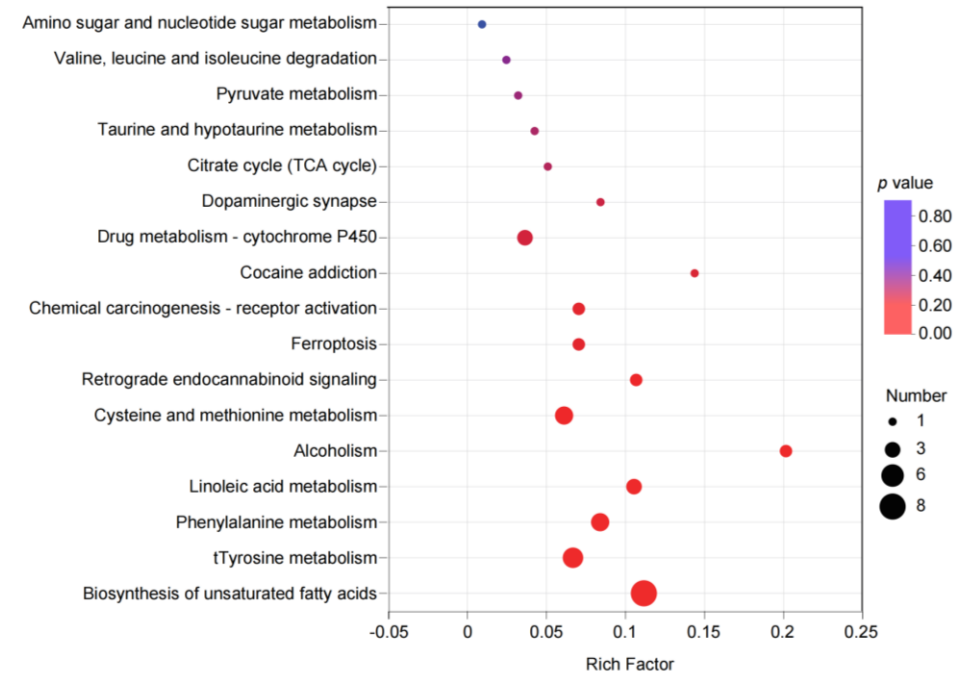
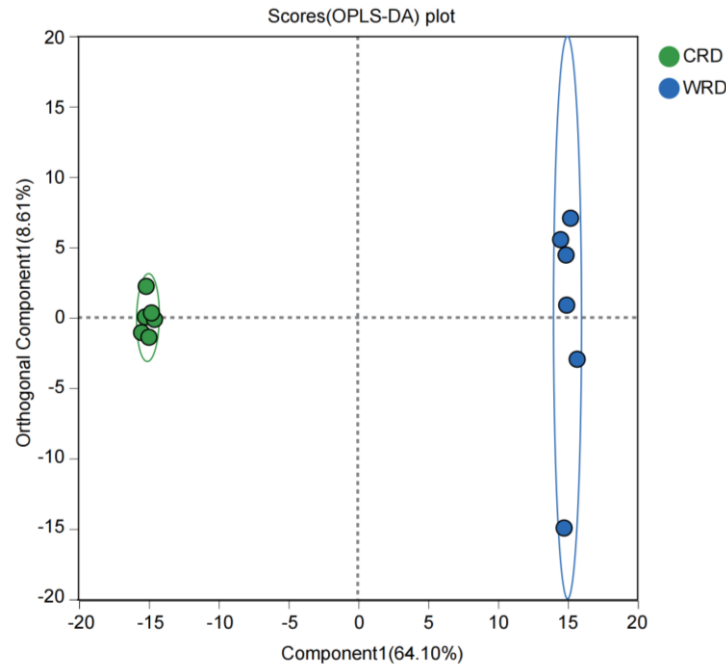


Figure 2. Fecal metabolomics and integrative analysis results of wild red deer (WRD) and captive red deer (CRD) of *Cervus elaphus kansuensis*.





Case study

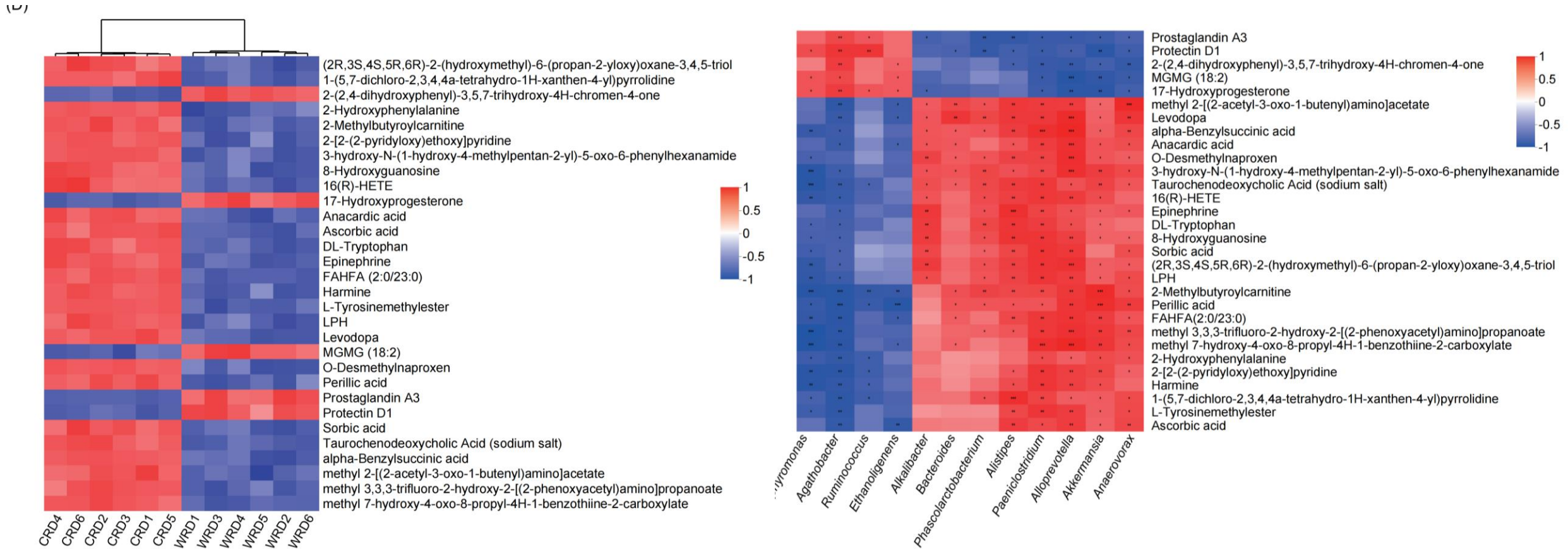


Figure 2. Fecal metabolomics and integrative analysis results of wild red deer (WRD) and captive red deer (CRD) of *Cervus elaphus kansuensis*.



Summary

- ❑ Majorbio Cloud integrates four major analytical workflows, including untargeted metabolomics, targeted metabolomics, microbiomics, and microbiome–metabolome correlation analysis, enabling one-stop analytical solutions from single-omics to multi-omics association research.
- ❑ Equipped with self-developed metabolite source tracing analysis, the platform classifies metabolites into host-derived, microbial-derived, and host–microbe co-metabolized types, providing key biological evidence for the research of microbiota-metabolite interaction mechanisms.
- ❑ It supports default and custom parameter modes, standardized analysis, advanced analysis, and one-click color scheme modification.
- ❑ A real study case further confirms the reliability and reproducibility of the platform.

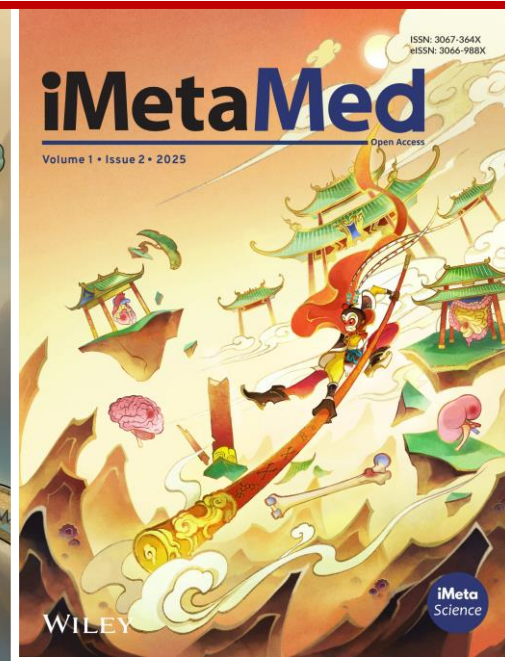
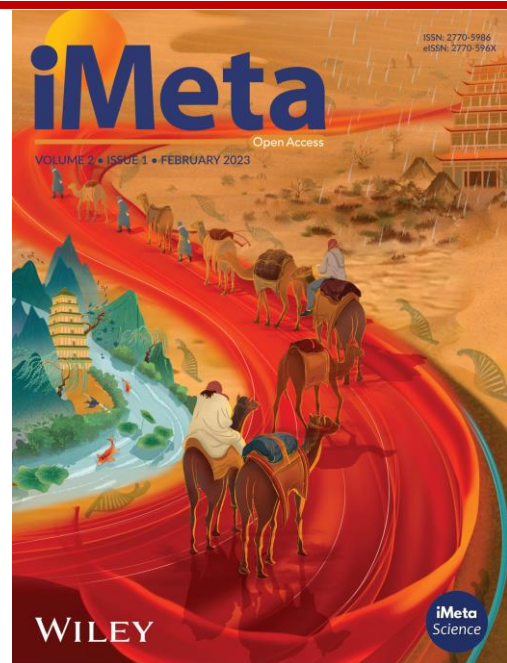
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