Reviewer Report

Title: A Multi-omics Data Analysis Workflow Packaged as a FAIR Digital Object

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Reviewer name: Dominique Batista

Reviewer Comments to Author:

Very good paper on the FAIR side. You detail what were the challenges, in particular when it comes to the selection of ontologies and terms.It is unclear if the generation of the ISA metadata is included in the workflow. Can a user generate the metadata for the synthetic dataset or their own data using the worflow ?Adding a github action running the worflow with the synthetic data would help reusability but is not required for the publication of the paper.

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