

biomodal software release notes

May 2024

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duet pipeline v1.2.2

We have issued the following bug fixes and feature improvements in the current release:

Output Data Files

The following issue was resolved:

- **ASM (Allele Specific Methylation) incompatibility with v2 MM tags**
 - In pipeline release 1.2.0, a change was introduced to the format of MM tags which encode epigenetic modification calls in BAM files. This change introduced an incompatibility with the ASM module with the following impact:
 - In +modC, no ASM calls were made.
 - In duet evoC, ASM calls were made, but they were based entirely on mC calls, and did not include any ASM associated with hmC calls or undifferentiated modC calls.

This has been fixed, restoring the previous functionality of the ASM module:

- In +modC, ASM calls are now made.
- In duet evoC, ASM calls are made using mC calls, hmC calls, and undifferentiated modC calls.

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