Release Notes

BaseSpace Correlation Engine v2.0.2

Februrary 16, 2021

INTRODUCTION

These Release Notes detail the latest release of BaseSpace Correlation Engine, including known issues.

BaseSpace Correlation Engine provides an interface with tools and content for exploratory, preclinical, and early translational research in drug discovery and biotechnology research. The software is a multidimensional integration platform designed to search and correlate global collections of heterogeneous, large-scale experimental data across diverse platforms, organisms, and therapeutic areas.

FEATURES

- OMIM datasets have been updated to provide latest disease-gene associations
- New L1000 Connectivity Map datasets added to public library, providing new chemical and genetic perturbation gene expression datasets

RESOLVED ISSUES

- Fixed an issue where non-human species datasets were not available when browsing MsigDB biogroups
  - New non-human uploads will be indexed against all biogroups
  - Previously uploaded non-human datasets will be indexed over the next 2 weeks
- Fixed an issue where genome build conversion was disabled. (As a result, datasets based on genomic coordinates can only be accepted from NCBI build 36/UCSC hg18, NCBI build 37/UCSC mm9, NCBI RGSC v3.4/UCSC rn4, NCBI WS190/UCSC ce6, NCBI release 5.2.UCSC dm3, NCBI build 2.1/UCSC sacCer2, NCBI build 1.1/UCSC rheMac2, NCBI build 2.1/UCSC galGal3, NCBI build 2.1/UCSC panTro2, NCBI Btau_4.0/UCSC bosTau4, NCBI Zv8/UCSC danRer6, NCBI build 2.1/UCSC canFam2.) Currently accepted builds are now:
  - GRCh38 | UCSC hg38
  - GRCh37 | UCSC hg19
  - NCBI 36 | UCSC hg18
  - NCBI 35 | UCSC hg17
  - NCBI 34 | UCSC hg16
  - GRCm38 | UCSC mm10
  - GRCm37 | UCSC mm9
  - NCBI build 36 | UCSC mm8
  - NCBI RGSC v3.4 | UCSC rn4
  - ILMN-ce6 | UCSC ce6
  - ILMN-ce4 | UCSC ce4
  - ILMN-ce2 | UCSC ce2
  - ILMN-dm6 | UCSC dm6
  - NCBI release 5.2 | UCSC dm3
  - ILMN-dm2 | UCSC dm2
  - R64-1-1 | UCSC sacCer3
  - R61-1-1 | UCSC sacCer2
  - R27-1-1 | UCSC sacCer1
  - NCBI build 1.1 | UCSC rheMac2

- o NCBI build 2.1 | UCSC galGal3
  - o NCBI build 2.1 |UCSC panTro2
  - o NCBI Btau_4.0 | UCSC bosTau4
  - o NCBI Zv8 | UCSC danRer6
  - o NCBI build 2.1 | UCSC canFam2
- Fixed an issure where Literature App did not update daily
- Fixed an issue where .xlsx format documents were not supported for import
- Fixed an issue where 'Request a study' was disabled
- Fixed an issue where files associated to a study were not accessible in UI (Enterprise accounts only)
- Security Updates

KNOWN ISSUES

- miRNA dataset import temporarily disabled
- Data filter does not return cell line results when filtering for copy number or somatic mutations in Cell Lines - Body Atlas
  - o Work around: Browse for Body Atlas cell lines where CNV or SM data is present and open up individual datasets to inspect
- Export from Active Biogroups times out in studies with more than 20 biosets
  - o Work around: Add biosets to Meta-analysis in smaller batches and export from Biogroup Results tab in Meta-analysis
- Region filter temporarily not present for Histone Ubiquitination, Histone Acetylation, Histone Methylation bio set inspectors
- 'Edit description' from Action drop down in Curated Studies temporarily disabled
  - o Work around: Load Study Inspector and click 'Edit description' button
- Clinical Trials map feature temporarily disabled
- Intermittently, newly imported studies to domain libraries not indexed in Pathway Enrichment when search by tagged concept.
  - o Workaround: User can edit study name or description and save to trigger re-indexing. Alternatively, search by bioset in Pathway Enrichment to find associated biogroups