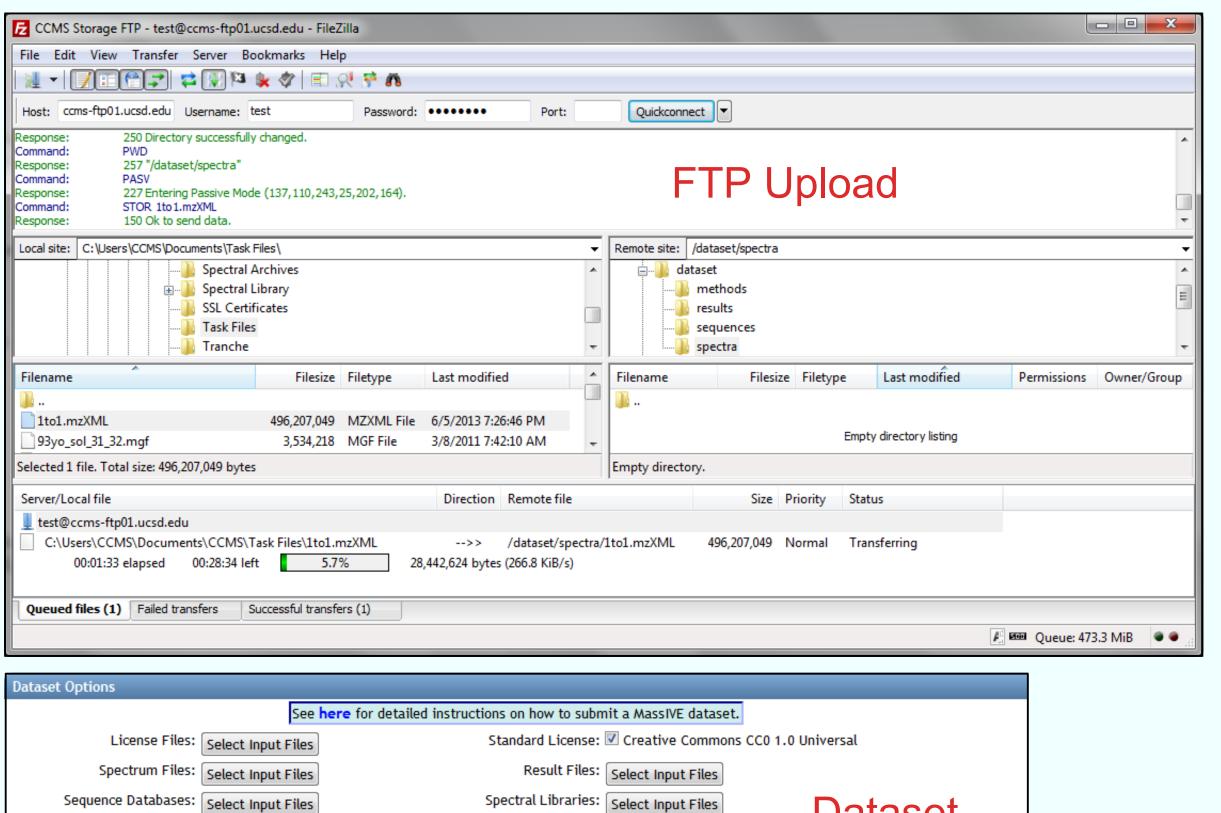


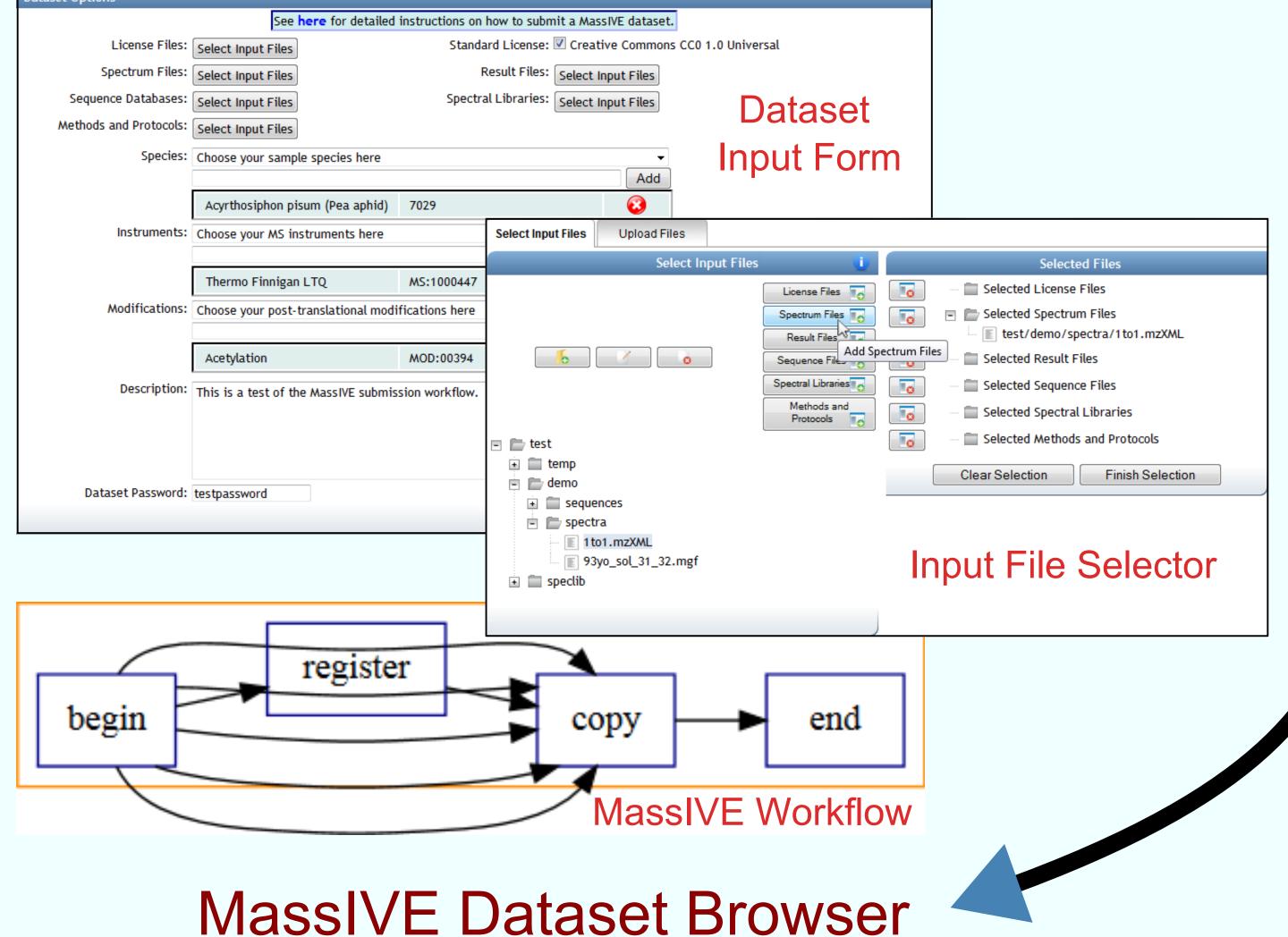
MassIVE: Mass Spectrometry Interactive Virtual Environment for Data Sharing in Proteomics

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Center for Computational Mass Spectrometry
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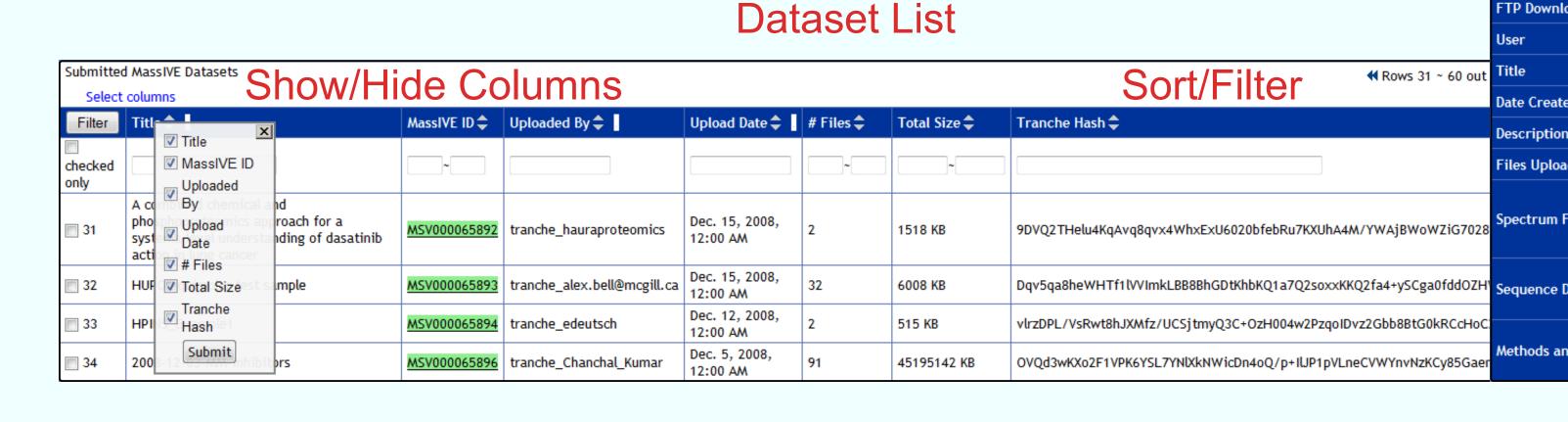
MassIVE Submission Interface

MassIVE dataset submission is implemented as a workflow within the ProteoSAFe platform, consisting of two important steps: first, dataset files are uploaded via FTP, and then these files are validated and securely copied to the MassIVE dataset repository.





After a dataset is submitted, its contents are private until they are released by the submitting user. Password protection is used to allow reviewer access. All datasets that have been made public can be browsed and searched via ProteoSAFe.



The public availability of mass spectrometry data is increasingly recognized as indispensable for the future of computational mass spectrometry and, consequently, for the collective ability of the proteomics community to progress towards efficiently reutilizing the billions of spectra already acquired and the many millions more being generated on a daily basis. But despite the pioneering efforts of the Tranche/ProteomeCommons system and the essential integration services under development by the ProteomeXchange consortium, there is still a pressing need for data repositories designed not only for reliable sharing of primary data but also offering user-friendly tools for advanced data analysis and visualization. MassIVE is a new mass spectrometry data repository designed to store, browse, redistribute, re-analyze and integrate all publicly available mass spectrometry data.



http://massive.ucsd.edu

2 Find Datasets

- Find / Sort by:
- Title
- MassIVE ID

DONE [Make Public] Privacy Controls

is is a test submission to illustrate the MassIVE dataset creation workflow

Dataset Details

uno (bandeira@ucsd.edu), UCSD

no/iPRG/2013/distro/MS2/F04.mzXML

nuno/iPRG/2013/iprg2013_study_participation_final.pdf

st MassIVE submission

13-04-17 11:46:03.0

(422.82 MB)

- Tranche Hash
- Upload DateDataset Size (files)
- Dataset Size (MB)

3 Analyze Datasets

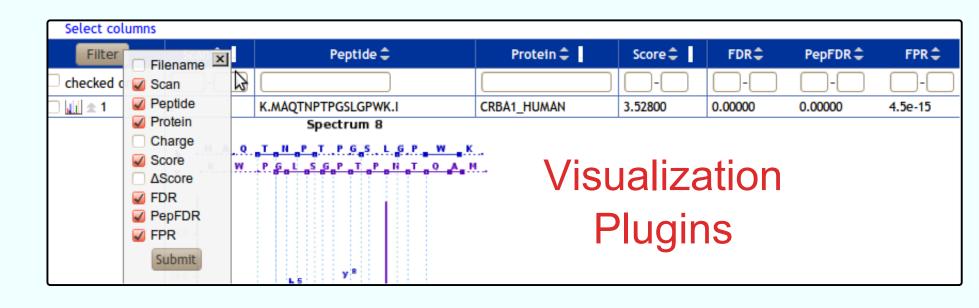
- Database search: MS-GF+, Proteogenomics, InsPecT, X!Tandem
- Blind modification search: MODa, MS-Alignment
- De novo sequencing: PepNovo, Shotgun Protein Sequencing
- Multiplexed spectral library search: M-SPLIT
- Multiplexed database search: MixDB
- Top-Down: MS-Align+
- Molecular spectral networks

Compute capacity: 1,150+ cores

ProteoSAFe Analysis Workflows

Once data is submitted to the repository and made public, it can then be searched and re-analyzed using the existing tools offered by ProteoSAFe.

Tabular Result Views



Repository Collaboration

