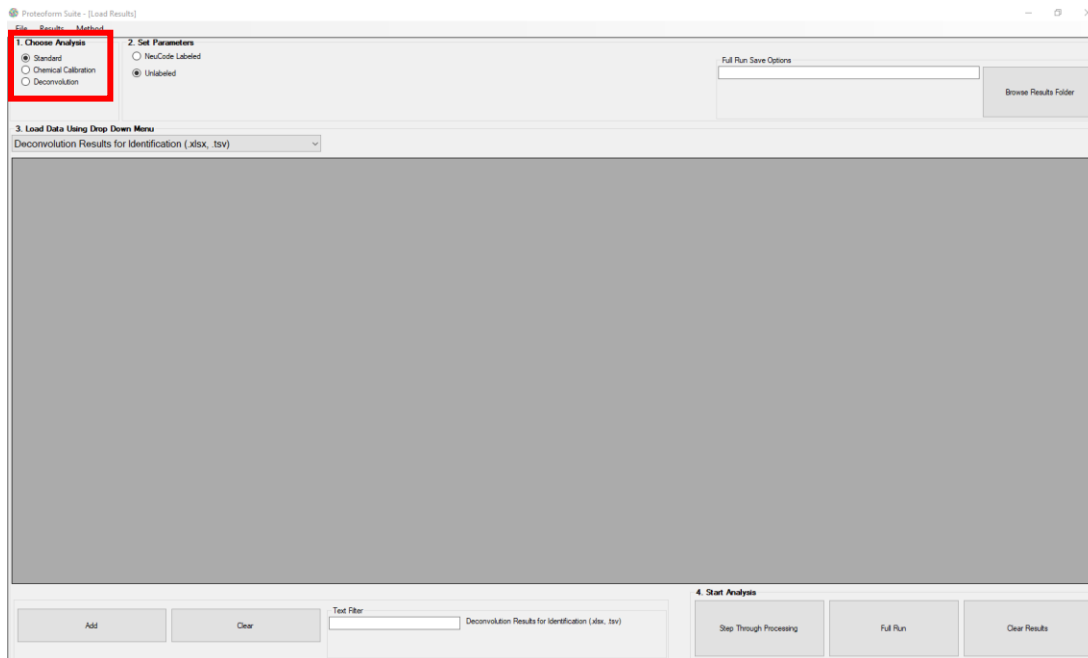


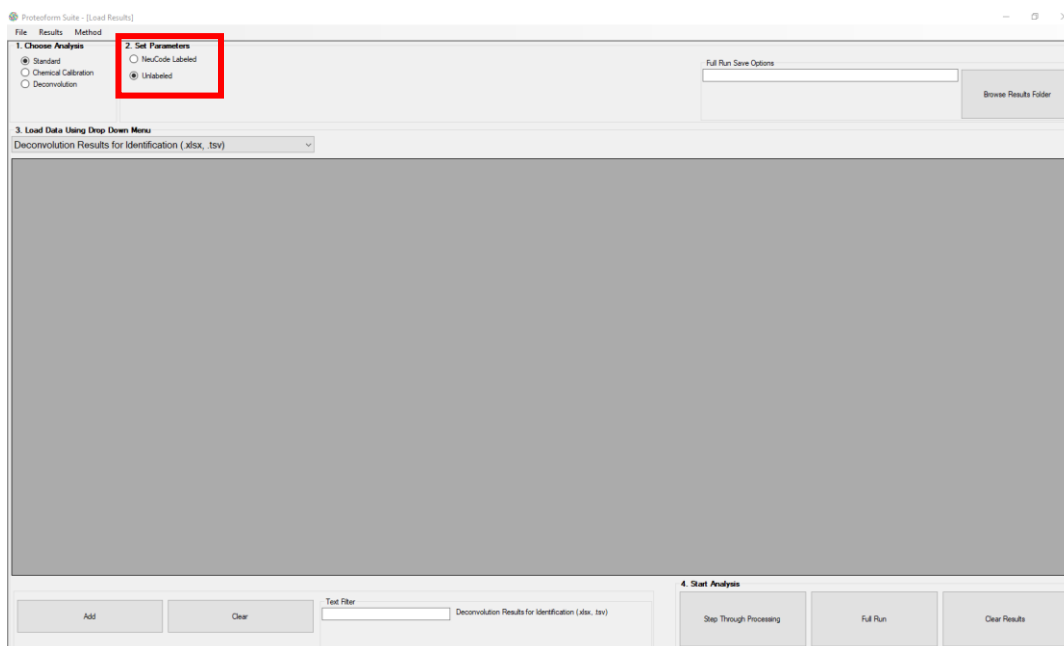
# Analyzing Data in Proteoform Suite

This tutorial document is for constructing proteoform families from intact-mass data in version 0.3.5 of Proteoform Suite.

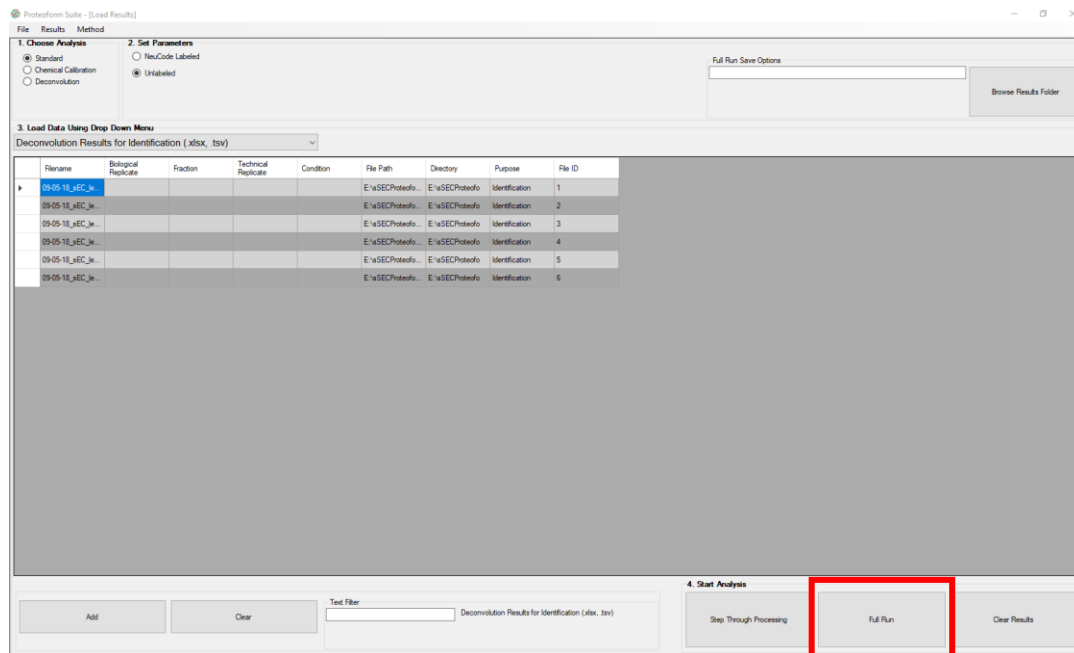
1. Under **Choose Analysis**, select Standard.



2. Under **Set Parameters**, select Unlabeled.



- Click the Add button under the grid view under the **Load Data Using Drop Down Menu** for “Deconvolution Results for Identification (.xlsx, .tsv)”. Select all .tsv files in the folder “less\_than\_50\_kDa” in the Vignettes folder in release 0.3.5 of Proteoform Suite. These are the results from deconvolution of MS1 spectra from raw files publicly available on the MassIVE platform (MSV000080365, <ftp://MSV000080365@massive.ucsd.edu>).
- Change the drop-down menu under the **Load Data Using Drop Down Menu** to “Protein Databases and PTM lists (.xml, .xml.gz, .fasta, .txt)”. Click the Add button under the right grid view, and add all files in the folder “Database” in the Vignettes folder in release 0.3.5 of Proteoform Suite.
- Click the button Full Run.



- A message box will ask “Use presets for this Full Run?”. Select Yes, then select the .xml method file in the folder “less\_than\_50\_kDa” in the Vignettes folder in release 0.3.5 of Proteoform Suite.
- A message box will ask “Add files at the listed path if they still exist?” Select No.
- A message box will ask “Choose a results folder for this Full Run?” If you select Yes, you can choose a folder on your computer to automatically save results.
- The program will now automatically run. A message box will show when complete.
- You can use the Results tab to navigate through the different results pages.

FileResultsMethod

[Load Results]

1. Load Analysis

☒ Standard

☐ Chemical Calibration

☐ Deconvolution

2. Set Parameters

☐ NewCode Labeled

☒ Unlabeled

Full Run Save Options

Browse Results Folder

3. Load Data Using Drop Down Menu

Deconvolution Results for Identification (xlsx, tsv)

Filename	Biological Replicate	Fraction	Technical Replicate	Condition	File Path	Directory	Purpose	File ID
09-05-18_xEC_je...					E:\sSECProteof...	E:\sSECProteof...	Identification	1
09-05-18_xEC_je...					E:\sSECProteof...	E:\sSECProteof...	Identification	2
09-05-18_xEC_je...					E:\sSECProteof...	E:\sSECProteof...	Identification	3
09-05-18_xEC_je...					E:\sSECProteof...	E:\sSECProteof...	Identification	4
09-05-18_xEC_je...					E:\sSECProteof...	E:\sSECProteof...	Identification	5
09-05-18_xEC_je...					E:\sSECProteof...	E:\sSECProteof...	Identification	6

Add

Clear

Text Filter

Deconvolution Results for Identification (xlsx, tsv)

Inbox - Wisc - Mail

4. Start Analysis

Step Through Processing

Full Run

Clear Results