

MSDA tutorial: How to start an OMSSA search

To start a new OMSSA search, you have to:

1. upload your peak lists (.mgf, .pkl or .dta files) into a new project
2. create a method with your search parameter settings
3. start a search using your method on your files

Every user has a predefined method with default values for each setting.

Create a new project and upload your peak lists

Click on the menu and select the "My projects" page



Then click on "Create a new project"





<https://msda.unistra.fr>

Enter the project name and at least one input file

You can load MGF files, PKL files or DTA files. A file must not exceed 1GB but you can compress your peak lists and load the ZIP file instead (in the case of a zip file, only mgf/pkl/dta files will be extracted). The projects are separated from the searches because you can do multiple searches in a project (without having to reload your peak lists).

Project details

Create a new project

Project name

Description

Upload the files you want to search for this project

Input files	Size	Upload progress	Remove
W13381CC.pkl	19.94 MB	<div style="width: 100%;"></div>	<input type="checkbox"/>
W13384CC.pkl	19.28 MB	<div style="width: 100%;"></div>	<input type="checkbox"/>
W13387CC.pkl	13.87 MB	<div style="width: 100%;"></div>	<input type="checkbox"/>
W13390CC.pkl	13.17 MB	<div style="width: 100%;"></div>	<input type="checkbox"/>

Upload the files and create a new search

Once your project is created, you can reuse it for another further search. Your files will remain on MSDA until you choose to delete the project.



<https://msda.unistra.fr>

Select your settings

You can use the default method or create a new one with your own settings. You may as well start from an existing method and **adapt** it. The default method contains most commonly used values for each setting. The default database used is the **latest release of Swiss-Prot** without decoy entries.

Project settings

Project name:

Description:

Input files	Size
W13381CC.pkl	19.94 MB
W13384CC.pkl	19.28 MB
W13387CC.pkl	13.87 MB
W13390CC.pkl	13.17 MB

Search settings

Search name:

Select an existing method or adapt one

Select	Method	Enzyme	Database	Created
<input type="radio"/>	Default method	trypsin	SWISSPROT	2011-04-30

Merge the results?

Receive an e-mail at the end of the search?

Description:

Start the search

Once you have your peak lists and your method, you can start the search. Do not forget to name your search. During the search, you can continue working on MSDA, starting a new search, generating a database, etc.