

Export controls are towards the top of the result reports. This screenshot shows the protein family report, which is the default for MS/MS searches of more than 300 spectra. Choices include mzIdentML and MGF peak list. Select the required format and choose Export

iPRG2008 SwissProt Mouse x

www.matrixscience.com/cgi/master\_results\_2.pl?file=..%2Fdata%2F20140321%2FFTnulfTL.dat

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# MATRIX SCIENCE MASCOT Search Results

User : johnc  
E-mail : jcottrell@matrixscience.com  
Search title : iPRG2008 SwissProt Mouse  
MS data file : D:\iPRG2008\mgf\merged.mgf  
Database : SwissProt 2014\_02 (542,503 sequences; 192,888,369 residues)  
Taxonomy : Mus. (16,716 sequences)  
Timestamp : 21 Mar 2014 at 15:31:06 GMT

Re-search  All  Non-significant  Unassigned [\[help\]](#) Export As **mzIdentML**

- XML
- CSV
- pepXML
- mzIdentML**
- DTASelect
- Mascot DAT File
- MGF Peak List

Not what you expected? Try [the select summary](#).

► Search parameters  
► Score distribution  
► Legend

## Protein Family Summary

Filter Significance threshold p <  Max. number of families  [\[help\]](#)  
Ions score or expect cut-off  Dendrograms cut at   
Show Percolator scores   
Preferred taxonomy

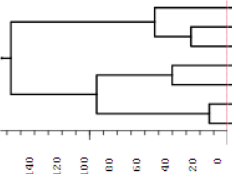
► Decoy search summary (reversed protein sequences)

Proteins (449) [Report Builder](#) [Unassigned \(27368\)](#) [s\\_permalink](#)

## Protein families 1-10 (out of 449)

10 per page 1 [2](#) [3](#) [4](#) [5](#) [6](#) ... [45](#) [Next](#)

Accession contains

► 1 

1	CP2CT_MOUSE	1367	Cytochrome P450 2C29 OS=Mus musculus GN=Cyp2c29 PE=1 SV=2
5	CP239_MOUSE	293	Cytochrome P450 2C39 OS=Mus musculus GN=Cyp2c39 PE=2 SV=2
6	CP238_MOUSE	192	Cytochrome P450 2C38 OS=Mus musculus GN=Cyp2c38 PE=2 SV=2
2	CP254_MOUSE	543	Cytochrome P450 2C54 OS=Mus musculus GN=Cyp2c54 PE=2 SV=1
7	CP270_MOUSE	72	Cytochrome P450 2C70 OS=Mus musculus GN=Cyp2c70 PE=2 SV=2
3	CY250_MOUSE	480	Cytochrome P450 2C50 OS=Mus musculus GN=Cyp2c50 PE=1 SV=2
4	CP237_MOUSE	326	Cytochrome P450 2C37 OS=Mus musculus GN=Cyp2c37 PE=2 SV=2

► 2

1	GRP78_MOUSE	1283	78 kDa glucose-regulated protein OS=Mus musculus GN=Hspa5 PE=1 SV=3
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Form to specify various options. If you are unsure of the meaning of any option, choose Help.  
When ready, choose the Export search results button at the bottom of the form to download the file.

The screenshot shows a web browser window with the URL `www.matrixscience.com/cgi/export_dat_2.pl?group_family=1&shows subsets=1&file=..%2Fdata%2F20140321%2FFTNulfeTL.dat&use_homology=1&_server_mudpit_switch=(`. The browser's address bar and tabs are visible at the top. The page header features the Matrix Science logo and a search bar. A navigation menu includes links for Home, Mascot database search, Products, Technical support, Training, News, Blog, and Contact. Below the navigation menu, there are links for Access Mascot Server and Database search help. The main content area is titled "Export search results" and includes a "Help" link. The form contains several options: Export format (mzIdentML), Significance threshold p< (0.05), Ions score cut-off (0), Threshold type (Identity and Homology radio buttons, with Homology selected), Max. number of hits (AUTO), Protein scoring (Standard and MudPIT radio buttons, with MudPIT selected), Include same-set protein hits (checkbox), Include sub-set protein hits (checkbox with value 1), Group protein families (checkbox checked), Require bold red (checkbox), Show Percolator scores (checkbox), and Preferred Taxonomy\* (All entries dropdown). A note at the bottom of the form states: "\* Occasionally requires information to be retrieved from external utilities, which can be slow". Below the form is a section titled "Optional Protein Hit Information" with checkboxes for Description\* (checked), Length in residues\*\* (unchecked), and Taxonomy\*\* (unchecked).

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Mascot database search > Access Mascot Server > Export search results

### Export search results [Help](#)

Export format:

Significance threshold p<:

Ions score cut-off:

Threshold type: Identity  Homology

Max. number of hits:

Protein scoring: Standard  MudPIT

Include same-set protein hits (additional proteins that span the same set of peptides)

Include sub-set protein hits (additional proteins that span a sub-set of peptides)

Group protein families

Require bold red

Show Percolator scores

Preferred Taxonomy\*:

\* Occasionally requires information to be retrieved from external utilities, which can be slow

### Optional Protein Hit Information

Description\*

Length in residues\*\*

Taxonomy\*\*

FTnulleTL.mzid x

```

1 <?xml version="1.0" encoding="UTF-8"?>
2 <MzIdentML id="report" version="1.1.0"
3   xsi:schemaLocation="http://psidev.info/psi/pi/mzIdentML/1.1 http://www.matrixscience.com/xmlns/schema/mzIdentML/mzIdentML1.1.0.xsd"
4   xmlns="http://psidev.info/psi/pi/mzIdentML/1.1"
5   xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
6   creationDate="2014-03-21T15:47:27">
7 <cvList>
8   <cv id="PSI-MS" fullName="Proteomics Standards Initiative Mass Spectrometry Vocabularies" uri="http://psidev.cvs.sourceforge.net/viewvc/*checkout*/psidev/psi/psi-ms/mzML/controlledV
9   <cv id="UNIMOD" fullName="UNIMOD" uri="http://www.unimod.org/obo/unimod.obo"></cv>
10  <cv id="OBO" fullName="UNIT-ONTOLOGY" uri="http://obo.cvs.sourceforge.net/*checkout*/obo/obo/ontology/phenotype/unit.obo"></cv>
11 </cvList>
12 <AnalysisSoftwareList>
13 <AnalysisSoftware id="AS_mascot_server" name="Mascot Server" version="2.4.1" uri="http://www.matrixscience.com/search_form_select.html">
14   <ContactRole contact_ref="ORG_MSL">
15     <Role>
16       <cvParam accession="MS:1001267" name="software vendor" cvRef="PSI-MS" />
17     </Role>
18   </ContactRole>
19   <SoftwareName>
20     <cvParam accession="MS:1001207" name="Mascot" cvRef="PSI-MS" />
21   </SoftwareName>
22   <Customizations>
23     No customisations
24   </Customizations>
25 </AnalysisSoftware>
26 <AnalysisSoftware id="AS_mascot_parser" name="Mascot Parser" version="2.4.3.0" uri="http://www.matrixscience.com/msparser.html">
27   <ContactRole contact_ref="ORG_MSL">
28     <Role>
29       <cvParam accession="MS:1001267" name="software vendor" cvRef="PSI-MS" />
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31   </ContactRole>
32   <SoftwareName>
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34   </SoftwareName>
35   <Customizations>
36     No customisations
37   </Customizations>
38 </AnalysisSoftware>
39 </AnalysisSoftwareList>
40 <Provider id="PROVIDER">
41   <ContactRole contact_ref="PERSON_DOC_OWNER">
42     <Role>
43       <cvParam accession="MS:1001271" name="researcher" cvRef="PSI-MS" />
44     </Role>
45   </ContactRole>
46 </Provider>
47 <AuditCollection>
48   <Person id="PERSON_MSL">
49     <Affiliation organization_ref="ORG_MSL" />
50   </Person>
51   <Person id="PERSON_DOC_OWNER" name="johnc">

```