Visualising Proteomics Data in Galaxy

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Protviz
None of the 0 queries matched your filter
Problems

- Data is spread over many (possibly hundreds) of files with dozens of formats
- Long load times for visualisation
- Results files are not self-contained
- Difficult to install and maintain
Gather Data Up-Front

- mzML
- mgf
- mzID - protXML
- FASTA

SQLite
Galaxy Visualisation Plugin

• Toolshed Installable?! SQLite Data provider and custom datatype. All Visualisation code in a plugin template.

• Full access to data via SQLite data provider.
<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Probability</th>
<th>Num Peptides</th>
</tr>
</thead>
<tbody>
<tr>
<td>lcl</td>
<td>comp57626_c0_seq1m.151088</td>
<td>RecName: Thymidylate synthase; 278197 COG0207 Identity: 25.49 EValue:9.4</td>
<td>0.999</td>
</tr>
<tr>
<td>lcl</td>
<td>comp55716_c2_seq1m.99931</td>
<td>RecName: Activating transcription factor 7-interacting protein 1; 9031 NOG82478 Identity: 50.79 EValue:2.0e-30</td>
<td>0.9908</td>
</tr>
<tr>
<td>lcl</td>
<td>comp289902_c0_seq1m.166463</td>
<td>RecName: WD repeat-containing protein 65; 10090 COG2319 Identity: 46.73 EValue:4.0e-66</td>
<td>0.9862</td>
</tr>
<tr>
<td>lcl</td>
<td>comp50482_c0_seq2m.63494</td>
<td>RecName: UPF0858 Golgi apparatus membrane protein C23H3.04; 284812 NOG88074 Identity: 22.47 EValue:2.0e-30</td>
<td>0.9824</td>
</tr>
</tbody>
</table>