## PROTEOME™ Statistics

<table>
<thead>
<tr>
<th></th>
<th>HumanPSD™</th>
<th>Human</th>
<th>Mouse</th>
<th>Rat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proteins</td>
<td>20,097</td>
<td>20,255</td>
<td>13,016</td>
<td></td>
</tr>
<tr>
<td>Mature miRNAs</td>
<td>2,657</td>
<td>1,974</td>
<td>766</td>
<td></td>
</tr>
<tr>
<td>Diseases / Disease Models</td>
<td>2,591</td>
<td>1,308</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Drugs</td>
<td>8,824</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>References</td>
<td>219,534</td>
<td>103,305</td>
<td>55,983</td>
<td></td>
</tr>
<tr>
<td>GO Assignments</td>
<td>256,081</td>
<td>232,624</td>
<td>112,843</td>
<td></td>
</tr>
<tr>
<td>Expression Assignments</td>
<td>2,130,949</td>
<td>180,026</td>
<td>99,363</td>
<td></td>
</tr>
<tr>
<td>Gene-Disease Assignments</td>
<td>113,446</td>
<td>6,273</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Disease Annotations</td>
<td>324,059</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Drug-Protein Interactions</td>
<td>27,355</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Clinical Trials</td>
<td>401,836</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Clinical Trial – Disease Assignments</td>
<td>647,949</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Clinical Trial – Drug Assignments</td>
<td>204,740</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Phenotype Assignments</td>
<td>-</td>
<td>63,141</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Annotations</td>
<td>457,157</td>
<td>298,690</td>
<td>193,746</td>
<td></td>
</tr>
</tbody>
</table>

## TRANSPATH®

<table>
<thead>
<tr>
<th></th>
<th></th>
<th>Pathways</th>
<th></th>
<th>Chains</th>
<th></th>
<th>References</th>
</tr>
</thead>
<tbody>
<tr>
<td>Molecules</td>
<td>514,158</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>190</td>
</tr>
<tr>
<td>Genes</td>
<td>109,675</td>
<td></td>
<td></td>
<td>1,526</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reactions</td>
<td>717,773</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>69,089</td>
</tr>
</tbody>
</table>

## YEAST & WORM

<table>
<thead>
<tr>
<th></th>
<th>S. cerevisiae</th>
<th>S. pombe</th>
<th>Fungal Pathogens</th>
<th>C. elegans</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proteins</td>
<td>6,689</td>
<td>4,998</td>
<td>19,932</td>
<td>20,745</td>
</tr>
<tr>
<td>References</td>
<td>36,686</td>
<td>4,600</td>
<td>4,455</td>
<td>6,485</td>
</tr>
<tr>
<td>GO Assignments</td>
<td>90,178</td>
<td>36,236</td>
<td>103,167</td>
<td>82,733</td>
</tr>
<tr>
<td>Phenotype Assignments</td>
<td>59,439</td>
<td>9,834</td>
<td>2,754</td>
<td>20,272</td>
</tr>
<tr>
<td>Annotations</td>
<td>877,922</td>
<td>99,501</td>
<td>73,294</td>
<td>325,258</td>
</tr>
<tr>
<td>Expression Assignments</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>9,512</td>
</tr>
</tbody>
</table>

## PLANT

<table>
<thead>
<tr>
<th></th>
<th>Arabidopsis</th>
<th>Rice</th>
<th>Maize</th>
<th>Soybean</th>
<th>Sorghum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proteins</td>
<td>26,865</td>
<td>26,829</td>
<td>1,706</td>
<td>66,300</td>
<td>34,005</td>
</tr>
<tr>
<td>GO Assignments</td>
<td>235,314</td>
<td>97,184</td>
<td>10,407</td>
<td>254,107</td>
<td>137,890</td>
</tr>
<tr>
<td>Expression Assignments</td>
<td>383,973</td>
<td>22,210</td>
<td>3,620</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

## PLANT – ALL SPECIES

<table>
<thead>
<tr>
<th></th>
<th></th>
<th>Pathways</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reactions</td>
<td>26,702</td>
<td>324</td>
<td>13,596</td>
</tr>
</tbody>
</table>

PROTEOME 2019.2 Release  www.geneXplain.com