Supplemental Table S4: The GO enrichment analysis of DEGs.

<table>
<thead>
<tr>
<th>GO term</th>
<th>Ontology</th>
<th>Description</th>
<th>Number in input list</th>
<th>Number in BG/Ref</th>
<th>( p )-Value</th>
<th>FDR</th>
<th>Enrichment Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>GO:00001101</td>
<td>P</td>
<td>response to acid chemical</td>
<td>54</td>
<td>421</td>
<td>0.00039</td>
<td>0.044</td>
<td>0.128266033</td>
</tr>
<tr>
<td>GO:0006082</td>
<td>P</td>
<td>organic acid metabolic process</td>
<td>124</td>
<td>1144</td>
<td>0.00015</td>
<td>0.021</td>
<td>0.108391608</td>
</tr>
<tr>
<td>GO:0006325</td>
<td>P</td>
<td>chromatin organization</td>
<td>60</td>
<td>442</td>
<td>0.000048</td>
<td>0.01</td>
<td>0.135746606</td>
</tr>
<tr>
<td>GO:0006351</td>
<td>P</td>
<td>transcription, DNA-templated</td>
<td>271</td>
<td>2807</td>
<td>0.000069</td>
<td>0.013</td>
<td>0.096544353</td>
</tr>
<tr>
<td>GO:0006355</td>
<td>P</td>
<td>regulation of transcription, DNA-templated</td>
<td>253</td>
<td>2596</td>
<td>0.000071</td>
<td>0.013</td>
<td>0.097457627</td>
</tr>
<tr>
<td>GO:0006464</td>
<td>P</td>
<td>cellular protein modification process</td>
<td>379</td>
<td>3847</td>
<td>0.00000003</td>
<td>0.0018</td>
<td>0.098518326</td>
</tr>
<tr>
<td>GO:0006468</td>
<td>P</td>
<td>protein phosphorylation</td>
<td>188</td>
<td>1855</td>
<td>0.0001</td>
<td>0.017</td>
<td>0.10137709</td>
</tr>
<tr>
<td>GO:0006541</td>
<td>P</td>
<td>glutamine metabolic process</td>
<td>15</td>
<td>48</td>
<td>0.000025</td>
<td>0.006</td>
<td>0.3125</td>
</tr>
<tr>
<td>GO:0007017</td>
<td>P</td>
<td>microtubule-based process</td>
<td>44</td>
<td>311</td>
<td>0.00021</td>
<td>0.028</td>
<td>0.1414791</td>
</tr>
<tr>
<td>GO:0007154</td>
<td>P</td>
<td>cell communication</td>
<td>160</td>
<td>1452</td>
<td>0.0000074</td>
<td>0.0028</td>
<td>0.110192837</td>
</tr>
<tr>
<td>GO:0007165</td>
<td>P</td>
<td>signal transduction</td>
<td>153</td>
<td>1321</td>
<td>0.00000098</td>
<td>0.00054</td>
<td>0.115821347</td>
</tr>
<tr>
<td>GO:0007623</td>
<td>P</td>
<td>circadian rhythm</td>
<td>12</td>
<td>41</td>
<td>0.00026</td>
<td>0.032</td>
<td>0.292682927</td>
</tr>
<tr>
<td>GO:0009064</td>
<td>P</td>
<td>glutamine family amino acid metabolic process</td>
<td>20</td>
<td>99</td>
<td>0.00025</td>
<td>0.032</td>
<td>0.202020202</td>
</tr>
<tr>
<td>GO:0009719</td>
<td>P</td>
<td>response to endogenous stimulus</td>
<td>93</td>
<td>711</td>
<td>0.0000019</td>
<td>0.0079</td>
<td>0.130801688</td>
</tr>
<tr>
<td>GO:0009725</td>
<td>P</td>
<td>response to hormone</td>
<td>92</td>
<td>699</td>
<td>0.0000017</td>
<td>0.00075</td>
<td>0.131616595</td>
</tr>
<tr>
<td>GO:0009753</td>
<td>P</td>
<td>response to jasmonic acid</td>
<td>19</td>
<td>87</td>
<td>0.000015</td>
<td>0.021</td>
<td>0.213890805</td>
</tr>
<tr>
<td>GO:0009755</td>
<td>P</td>
<td>hormone-mediated signaling pathway</td>
<td>55</td>
<td>405</td>
<td>0.0000096</td>
<td>0.016</td>
<td>0.135802469</td>
</tr>
<tr>
<td>GO:0009889</td>
<td>P</td>
<td>regulation of biosynthetic process</td>
<td>282</td>
<td>2874</td>
<td>0.000017</td>
<td>0.0048</td>
<td>0.098121086</td>
</tr>
<tr>
<td>GO:0009987</td>
<td>P</td>
<td>intracellular signal transduction</td>
<td>1408</td>
<td>16613</td>
<td>1.9E-09</td>
<td>0.0000048</td>
<td>0.084752904</td>
</tr>
<tr>
<td>GO:0010033</td>
<td>P</td>
<td>response to organic substance</td>
<td>117</td>
<td>897</td>
<td>0.00000011</td>
<td>0.00081</td>
<td>0.130434783</td>
</tr>
<tr>
<td>GO:0010467</td>
<td>P</td>
<td>gene expression</td>
<td>458</td>
<td>4995</td>
<td>0.00002</td>
<td>0.0052</td>
<td>0.091691692</td>
</tr>
<tr>
<td>GO:0010468</td>
<td>P</td>
<td>regulation of gene expression</td>
<td>318</td>
<td>3001</td>
<td>6.1E-09</td>
<td>0.0000095</td>
<td>0.105964678</td>
</tr>
<tr>
<td>GO:0010556</td>
<td>P</td>
<td>regulation of macromolecule biosynthetic process</td>
<td>280</td>
<td>2851</td>
<td>0.000017</td>
<td>0.0048</td>
<td>0.098211154</td>
</tr>
<tr>
<td>GO:0010629</td>
<td>P</td>
<td>negative regulation of gene expression</td>
<td>51</td>
<td>381</td>
<td>0.00023</td>
<td>0.03</td>
<td>0.133858268</td>
</tr>
<tr>
<td>GO:0010692</td>
<td>P</td>
<td>vesicle-mediated transport</td>
<td>72</td>
<td>597</td>
<td>0.00025</td>
<td>0.032</td>
<td>0.120603015</td>
</tr>
<tr>
<td>GO:0010569</td>
<td>P</td>
<td>covalent chromatin modification</td>
<td>43</td>
<td>278</td>
<td>0.000041</td>
<td>0.0089</td>
<td>0.154676259</td>
</tr>
<tr>
<td>GO:0018130</td>
<td>P</td>
<td>heterocycle biosynthetic process</td>
<td>320</td>
<td>3382</td>
<td>0.000059</td>
<td>0.012</td>
<td>0.094618569</td>
</tr>
<tr>
<td>GO:0019219</td>
<td>P</td>
<td>regulation of nucleobase-containing compound metabolic process</td>
<td>272</td>
<td>2764</td>
<td>0.00002</td>
<td>0.0052</td>
<td>0.098408104</td>
</tr>
<tr>
<td>GO:0019222</td>
<td>P</td>
<td>regulation of metabolic process</td>
<td>362</td>
<td>3582</td>
<td>5.5E-08</td>
<td>0.0000047</td>
<td>0.10106086</td>
</tr>
<tr>
<td>GO:0019438</td>
<td>P</td>
<td>aromatic compound biosynthetic process</td>
<td>323</td>
<td>3450</td>
<td>0.00011</td>
<td>0.017</td>
<td>0.093623188</td>
</tr>
<tr>
<td>GO:0023014</td>
<td>P</td>
<td>signal transduction by protein phosphorylation</td>
<td>22</td>
<td>89</td>
<td>0.000009</td>
<td>0.0032</td>
<td>0.247191011</td>
</tr>
<tr>
<td>GO:0023052</td>
<td>P signaling</td>
<td>154</td>
<td>1335</td>
<td>0.0000011</td>
<td>0.00054</td>
<td>0.115355805</td>
<td></td>
</tr>
<tr>
<td>------------</td>
<td>-------------</td>
<td>-----</td>
<td>------</td>
<td>------------</td>
<td>----------</td>
<td>-------------</td>
<td></td>
</tr>
<tr>
<td>GO:0031323</td>
<td>P regulation of cellular metabolic process</td>
<td>329</td>
<td>3404</td>
<td>0.0000095</td>
<td>0.0032</td>
<td>0.096650999</td>
<td></td>
</tr>
<tr>
<td>GO:0031326</td>
<td>P regulation of cellular biosynthetic process</td>
<td>282</td>
<td>2871</td>
<td>0.000015</td>
<td>0.0048</td>
<td>0.09823615</td>
<td></td>
</tr>
<tr>
<td>GO:0032774</td>
<td>P RNA biosynthetic process</td>
<td>275</td>
<td>2841</td>
<td>0.000051</td>
<td>0.0012</td>
<td>0.10716778</td>
<td></td>
</tr>
<tr>
<td>GO:0034654</td>
<td>P intracellular signal transduction</td>
<td>79</td>
<td>485</td>
<td>4.6E-09</td>
<td>0.0000088</td>
<td>0.16286598</td>
<td></td>
</tr>
<tr>
<td>GO:0035556</td>
<td>P protein modification process</td>
<td>379</td>
<td>3847</td>
<td>0.0000003</td>
<td>0.00018</td>
<td>0.098518326</td>
<td></td>
</tr>
<tr>
<td>GO:0036211</td>
<td>P response to chemical</td>
<td>160</td>
<td>1493</td>
<td>0.000028</td>
<td>0.0064</td>
<td>0.10716778</td>
<td></td>
</tr>
<tr>
<td>GO:0038804</td>
<td>P primary metabolic process</td>
<td>351</td>
<td>3482</td>
<td>0.000086</td>
<td>0.016</td>
<td>0.096650999</td>
<td></td>
</tr>
<tr>
<td>GO:0038805</td>
<td>P protein folding</td>
<td>403</td>
<td>4323</td>
<td>0.000019</td>
<td>0.0052</td>
<td>0.098623</td>
<td></td>
</tr>
<tr>
<td>GO:0038806</td>
<td>P response to stimulus</td>
<td>355</td>
<td>3848</td>
<td>0.000014</td>
<td>0.021</td>
<td>0.092255717</td>
<td></td>
</tr>
<tr>
<td>GO:0038807</td>
<td>P primary metabolic process</td>
<td>114</td>
<td>1061</td>
<td>0.00036</td>
<td>0.042</td>
<td>0.107445806</td>
<td></td>
</tr>
<tr>
<td>GO:0038808</td>
<td>P regulation of macromolecule metabolic process</td>
<td>351</td>
<td>3482</td>
<td>0.0000012</td>
<td>0.00081</td>
<td>0.100804136</td>
<td></td>
</tr>
<tr>
<td>GO:0038809</td>
<td>P biological regulation</td>
<td>591</td>
<td>6244</td>
<td>1.1E-08</td>
<td>0.000014</td>
<td>0.094650865</td>
<td></td>
</tr>
<tr>
<td>GO:0038810</td>
<td>P response to chemical stimulus</td>
<td>80</td>
<td>686</td>
<td>0.00031</td>
<td>0.036</td>
<td>0.116818076</td>
<td></td>
</tr>
<tr>
<td>GO:0044237</td>
<td>P cellular metabolic process</td>
<td>1130</td>
<td>13654</td>
<td>0.000011</td>
<td>0.017</td>
<td>0.08275963</td>
<td></td>
</tr>
<tr>
<td>GO:0044238</td>
<td>P primary metabolic process</td>
<td>1116</td>
<td>13559</td>
<td>0.0003</td>
<td>0.036</td>
<td>0.082306955</td>
<td></td>
</tr>
<tr>
<td>GO:0044267</td>
<td>P cellular protein metabolic process</td>
<td>485</td>
<td>5508</td>
<td>0.00038</td>
<td>0.044</td>
<td>0.08805374</td>
<td></td>
</tr>
<tr>
<td>GO:0044699</td>
<td>P single-organism process</td>
<td>870</td>
<td>9791</td>
<td>5.4E-08</td>
<td>0.000047</td>
<td>0.088857114</td>
<td></td>
</tr>
<tr>
<td>GO:0044700</td>
<td>P single organism signaling</td>
<td>154</td>
<td>1334</td>
<td>0.000011</td>
<td>0.0054</td>
<td>0.115442279</td>
<td></td>
</tr>
<tr>
<td>GO:0044763</td>
<td>P single-organism cellular process</td>
<td>650</td>
<td>6774</td>
<td>1.4E-10</td>
<td>0.0000071</td>
<td>0.095955123</td>
<td></td>
</tr>
<tr>
<td>GO:0048511</td>
<td>P rhythmic process</td>
<td>12</td>
<td>41</td>
<td>0.00026</td>
<td>0.032</td>
<td>0.292682927</td>
<td></td>
</tr>
<tr>
<td>GO:0050789</td>
<td>P regulation of biological process</td>
<td>527</td>
<td>5307</td>
<td>1.8E-10</td>
<td>0.0000071</td>
<td>0.099302808</td>
<td></td>
</tr>
<tr>
<td>GO:0050794</td>
<td>P regulation of cellular process</td>
<td>484</td>
<td>4991</td>
<td>2.6E-08</td>
<td>0.00028</td>
<td>0.096974554</td>
<td></td>
</tr>
<tr>
<td>GO:0050896</td>
<td>P response to stimulus</td>
<td>355</td>
<td>3848</td>
<td>0.00014</td>
<td>0.021</td>
<td>0.092255717</td>
<td></td>
</tr>
<tr>
<td>GO:0051171</td>
<td>P regulation of nitrogen compound metabolic process</td>
<td>298</td>
<td>2956</td>
<td>0.000012</td>
<td>0.0056</td>
<td>0.10811908</td>
<td></td>
</tr>
<tr>
<td>GO:0051252</td>
<td>P regulation of RNA metabolic process</td>
<td>265</td>
<td>2687</td>
<td>0.000022</td>
<td>0.055</td>
<td>0.098623</td>
<td></td>
</tr>
<tr>
<td>GO:0051641</td>
<td>P cellular localization</td>
<td>114</td>
<td>1061</td>
<td>0.00036</td>
<td>0.042</td>
<td>0.10745806</td>
<td></td>
</tr>
<tr>
<td>GO:0060255</td>
<td>P regulation of macromolecule metabolic process</td>
<td>351</td>
<td>3482</td>
<td>0.0000012</td>
<td>0.00081</td>
<td>0.100804136</td>
<td></td>
</tr>
<tr>
<td>GO:0065007</td>
<td>P biological regulation</td>
<td>591</td>
<td>6244</td>
<td>1.1E-08</td>
<td>0.000014</td>
<td>0.094650865</td>
<td></td>
</tr>
<tr>
<td>GO:0070887</td>
<td>P cellular response to chemical stimulus</td>
<td>80</td>
<td>686</td>
<td>0.00031</td>
<td>0.036</td>
<td>0.116818076</td>
<td></td>
</tr>
<tr>
<td>GO:0071229</td>
<td>P cellular response to acid chemical</td>
<td>35</td>
<td>226</td>
<td>0.0002</td>
<td>0.028</td>
<td>0.154867257</td>
<td></td>
</tr>
<tr>
<td>GO:0071310</td>
<td>P cellular response to organic substance</td>
<td>72</td>
<td>555</td>
<td>0.00034</td>
<td>0.0075</td>
<td>0.12972973</td>
<td></td>
</tr>
<tr>
<td>GO:0071495</td>
<td>P cellular response to endogenous stimulus</td>
<td>57</td>
<td>433</td>
<td>0.00015</td>
<td>0.021</td>
<td>0.13169723</td>
<td></td>
</tr>
<tr>
<td>GO:0071704</td>
<td>P organic substance metabolic process</td>
<td>1187</td>
<td>14289</td>
<td>0.000026</td>
<td>0.0062</td>
<td>0.083070894</td>
<td></td>
</tr>
<tr>
<td>GO:0080090</td>
<td>P regulation of primary metabolic process</td>
<td>326</td>
<td>3368</td>
<td>0.0000094</td>
<td>0.0032</td>
<td>0.096793349</td>
<td></td>
</tr>
<tr>
<td>GO:0097659</td>
<td>P nucleic acid-templated transcription</td>
<td>272</td>
<td>2829</td>
<td>0.000086</td>
<td>0.016</td>
<td>0.096147048</td>
<td></td>
</tr>
<tr>
<td>GO:1901362</td>
<td>P organic cyclic compound biosynthetic process</td>
<td>332</td>
<td>3555</td>
<td>0.0001</td>
<td>0.017</td>
<td>0.093389592</td>
<td></td>
</tr>
<tr>
<td>GO:1901700</td>
<td>P response to oxygen-containing compound</td>
<td>77</td>
<td>662</td>
<td>0.00042</td>
<td>0.047</td>
<td>0.116314199</td>
<td></td>
</tr>
<tr>
<td>GO:1903506</td>
<td>P regulation of nucleic acid-templated transcription</td>
<td>254</td>
<td>2619</td>
<td>0.000091</td>
<td>0.016</td>
<td>0.096983582</td>
<td></td>
</tr>
<tr>
<td>GO:2000112</td>
<td>P regulation of cellular macromolecule biosynthetic process</td>
<td>279</td>
<td>2823</td>
<td>0.000011</td>
<td>0.0037</td>
<td>0.098831031</td>
<td></td>
</tr>
<tr>
<td>GO:2001112</td>
<td>P regulation of cellular macromolecule biosynthetic process</td>
<td>279</td>
<td>2823</td>
<td>0.000011</td>
<td>0.0037</td>
<td>0.098831031</td>
<td></td>
</tr>
</tbody>
</table>

**Gene Ontology (GO) Terms:**

<p>| GO:000166 | F nucleotide binding | 492 | 4252 | 3.7E-20 | 3.1E-17 | 0.115710254 |
| GO:0001882 | F nucleoside binding | 449 | 3843 | 5.8E-19 | 1.5E-16 | 0.116835805 |
| GO:0001883 | F purine nucleoside binding | 447 | 3829 | 8.2E-19 | 1.6E-16 | 0.11740663 |
| GO:0003676 | F nucleic acid binding | 473 | 5124 | 0.0000074 | 0.00063 | 0.092310695 |
| GO:0003677 | F DNA binding | 271 | 2927 | 0.000077 | 0.038 | 0.092586266 |
| GO:0003682 | F chromatin binding | 34 | 162 | 0.0000001 | 0.000094 | 0.209876543 |
| GO:0003723 | F RNA binding | 166 | 1586 | 0.000061 | 0.0041 | 0.10465826 |
| GO:0003729 | F mRNA binding | 35 | 214 | 0.000078 | 0.0049 | 0.16351402 |
| GO:0003779 | F actin binding | 22 | 119 | 0.00037 | 0.021 | 0.18487395 |
| GO:0004672 | F protein kinase activity | 183 | 1745 | 0.000023 | 0.0017 | 0.10487106 |
| GO:0004702 | F receptor signaling protein serine/threonine kinase activity | 8 | 21 | 0.00069 | 0.034 | 0.380952381 |
| GO:0004707 | F MAP kinase activity | 8 | 20 | 0.00053 | 0.028 | 0.4 |
| GO:0005057 | F receptor signaling protein activity | 8 | 21 | 0.00069 | 0.034 | 0.380952381 |
| GO:0005488 | F binding | 1485 | 15954 | 7.5E-29 | 1.9E-25 | 0.093080105 |
| GO:0005515 | F protein binding | 544 | 5711 | 2.5E-08 | 0.000031 | 0.09524771 |
| GO:0005516 | F calmodulin binding | 26 | 156 | 0.00048 | 0.026 | 0.16666667 |
| GO:0005524 | F ATP binding | 392 | 3341 | 1E-16 | 1.4E-14 | 0.117330141 |
| GO:0008092 | F cytoskeletal protein binding | 49 | 361 | 0.00023 | 0.014 | 0.135734072 |
| GO:0015399 | F primary active transmembrane transporter activity | 45 | 324 | 0.00025 | 0.015 | 0.138888889 |
| GO:0015405 | F P-P-bond-hydrolysis-driven transmembrane transporter activity | 45 | 323 | 0.00024 | 0.014 | 0.139318885 |
| GO:0016462 | F pyrophosphatase activity | 174 | 1631 | 0.000016 | 0.0012 | 0.106683017 |
| GO:0016673 | F phosphotransferase activity, alcohol group as acceptor | 207 | 1956 | 0.000039 | 0.0035 | 0.105628221 |
| GO:0016817 | F hydrolase activity, acting on acid anhydrides | 177 | 1651 | 0.00001 | 0.00084 | 0.107207753 |
| GO:0016818 | F hydrolase activity, acting on acid anhydrides, in phosphorus-containing anhydrides | 177 | 1641 | 0.000075 | 0.00063 | 0.10786106 |
| GO:0016820 | F hydrolase activity, acting on acid anhydrides, catalyzing transmembrane movement of substances | 43 | 283 | 0.00006 | 0.0041 | 0.151943463 |</p>
<table>
<thead>
<tr>
<th>Gene Ontology ID</th>
<th>Term</th>
<th>Value 1</th>
<th>Value 2</th>
<th>p-value 1</th>
<th>p-value 2</th>
<th>q-value 1</th>
<th>q-value 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>GO:0016887</td>
<td>ATPase activity</td>
<td>109</td>
<td>729</td>
<td>4.7E-10</td>
<td>0.000000063</td>
<td>0.14951989</td>
<td></td>
</tr>
<tr>
<td>GO:0017076</td>
<td>purine nucleotide binding</td>
<td>449</td>
<td>3841</td>
<td>5.3E-19</td>
<td>1.5E-16</td>
<td>0.11689641</td>
<td></td>
</tr>
<tr>
<td>GO:0017111</td>
<td>nucleoside-triphosphatase activity</td>
<td>169</td>
<td>1563</td>
<td>0.000011</td>
<td>0.00085</td>
<td>0.1081254</td>
<td></td>
</tr>
<tr>
<td>GO:0030554</td>
<td>adenyl nucleotide binding</td>
<td>411</td>
<td>3494</td>
<td>1E-17</td>
<td>1.5E-15</td>
<td>0.117630223</td>
<td></td>
</tr>
<tr>
<td>GO:0032403</td>
<td>protein complex binding</td>
<td>27</td>
<td>166</td>
<td>0.00052</td>
<td>0.028</td>
<td>0.16265062</td>
<td></td>
</tr>
<tr>
<td>GO:0032549</td>
<td>ribonucleoside binding</td>
<td>448</td>
<td>3842</td>
<td>8.9E-19</td>
<td>1.6E-16</td>
<td>0.116605934</td>
<td></td>
</tr>
<tr>
<td>GO:0032550</td>
<td>purine ribonucleoside binding</td>
<td>447</td>
<td>3829</td>
<td>8.2E-19</td>
<td>1.6E-16</td>
<td>0.116740663</td>
<td></td>
</tr>
<tr>
<td>GO:0032553</td>
<td>ribonucleotide binding</td>
<td>454</td>
<td>3872</td>
<td>1.9E-19</td>
<td>7.2E-17</td>
<td>0.117250666</td>
<td></td>
</tr>
<tr>
<td>GO:0032555</td>
<td>purine ribonucleotide binding</td>
<td>447</td>
<td>3829</td>
<td>8.2E-19</td>
<td>1.6E-16</td>
<td>0.116740663</td>
<td></td>
</tr>
<tr>
<td>GO:0032559</td>
<td>adenyl ribonucleotide binding</td>
<td>410</td>
<td>3483</td>
<td>1E-17</td>
<td>1.5E-15</td>
<td>0.117714614</td>
<td></td>
</tr>
<tr>
<td>GO:0032563</td>
<td>purine ribonucleoside triphosphate binding</td>
<td>429</td>
<td>3686</td>
<td>8.4E-18</td>
<td>1.4E-15</td>
<td>0.116386327</td>
<td></td>
</tr>
<tr>
<td>GO:0032564</td>
<td>small molecule binding</td>
<td>498</td>
<td>4327</td>
<td>5.3E-20</td>
<td>3.1E-17</td>
<td>0.115091327</td>
<td></td>
</tr>
<tr>
<td>GO:0042626</td>
<td>ATPase activity, coupled to transmembrane movement of substances</td>
<td>43</td>
<td>283</td>
<td>0.0006</td>
<td>0.0041</td>
<td>0.151943463</td>
<td></td>
</tr>
<tr>
<td>GO:0043167</td>
<td>ion binding</td>
<td>355</td>
<td>3477</td>
<td>2.8E-08</td>
<td>0.0000034</td>
<td>0.10209511</td>
<td></td>
</tr>
<tr>
<td>GO:0043169</td>
<td>cation binding</td>
<td>336</td>
<td>3260</td>
<td>0.0000003</td>
<td>0.000035</td>
<td>0.10306485</td>
<td></td>
</tr>
<tr>
<td>GO:0043492</td>
<td>ATPase activity, coupled to movement of substances</td>
<td>47</td>
<td>306</td>
<td>0.00022</td>
<td>0.0016</td>
<td>0.153594771</td>
<td></td>
</tr>
<tr>
<td>GO:0044822</td>
<td>poly(A) RNA binding</td>
<td>35</td>
<td>211</td>
<td>0.00078</td>
<td>0.0049</td>
<td>0.16351402</td>
<td></td>
</tr>
<tr>
<td>GO:0044877</td>
<td>macromolecular complex binding</td>
<td>66</td>
<td>406</td>
<td>8.8E-08</td>
<td>0.000085</td>
<td>0.16251576</td>
<td></td>
</tr>
<tr>
<td>GO:0046872</td>
<td>metal ion binding</td>
<td>334</td>
<td>3250</td>
<td>4.4E-08</td>
<td>0.000046</td>
<td>0.102769321</td>
<td></td>
</tr>
<tr>
<td>GO:0051015</td>
<td>actin filament binding</td>
<td>15</td>
<td>62</td>
<td>0.00028</td>
<td>0.016</td>
<td>0.24195484</td>
<td></td>
</tr>
<tr>
<td>GO:0097159</td>
<td>organic cyclic compound binding</td>
<td>947</td>
<td>9627</td>
<td>6.3E-20</td>
<td>3.1E-17</td>
<td>0.0936917</td>
<td></td>
</tr>
<tr>
<td>GO:0097367</td>
<td>carbohydrate derivative binding</td>
<td>457</td>
<td>3909</td>
<td>2.3E-19</td>
<td>7.2E-17</td>
<td>0.11690696</td>
<td></td>
</tr>
<tr>
<td>GO:1901265</td>
<td>nucleoside phosphate binding</td>
<td>492</td>
<td>4252</td>
<td>3.7E-20</td>
<td>3.1E-17</td>
<td>0.115710254</td>
<td></td>
</tr>
<tr>
<td>GO:1901363</td>
<td>heterocyclic compound binding</td>
<td>942</td>
<td>9607</td>
<td>2.2E-19</td>
<td>7.2E-17</td>
<td>0.098053503</td>
<td></td>
</tr>
<tr>
<td>GO:0005622</td>
<td>intracellular</td>
<td>1181</td>
<td>13573</td>
<td>9.6E-10</td>
<td>0.0000063</td>
<td>0.08701978</td>
<td></td>
</tr>
<tr>
<td>GO:0005623</td>
<td>cell</td>
<td>1319</td>
<td>15669</td>
<td>0.0000013</td>
<td>0.00038</td>
<td>0.084178952</td>
<td></td>
</tr>
<tr>
<td>GO:0005634</td>
<td>nucleus</td>
<td>540</td>
<td>5408</td>
<td>4.4E-11</td>
<td>0.0000058</td>
<td>0.099852071</td>
<td></td>
</tr>
<tr>
<td>GO:0005654</td>
<td>nucleoplasm</td>
<td>60</td>
<td>473</td>
<td>0.0025</td>
<td>0.027</td>
<td>0.126849894</td>
<td></td>
</tr>
<tr>
<td>GO:0008023</td>
<td>transcription elongation factor complex</td>
<td>13</td>
<td>47</td>
<td>0.00024</td>
<td>0.027</td>
<td>0.276595745</td>
<td></td>
</tr>
<tr>
<td>GO:0016020</td>
<td>membrane</td>
<td>876</td>
<td>10325</td>
<td>0.00068</td>
<td>0.015</td>
<td>0.084842615</td>
<td></td>
</tr>
<tr>
<td>GO:0030660</td>
<td>Golgi-associated vesicle membrane</td>
<td>15</td>
<td>67</td>
<td>0.0057</td>
<td>0.047</td>
<td>0.223880597</td>
<td></td>
</tr>
<tr>
<td>GO:0043226</td>
<td>organelle</td>
<td>949</td>
<td>11307</td>
<td>0.00012</td>
<td>0.017</td>
<td>0.083930309</td>
<td></td>
</tr>
<tr>
<td>GO:0043227</td>
<td>C</td>
<td>membrane-bounded organelle</td>
<td>871</td>
<td>10302</td>
<td>0.00012</td>
<td>0.017</td>
<td>0.08454669</td>
</tr>
<tr>
<td>GO:0043229</td>
<td>C</td>
<td>intracellular organelle</td>
<td>947</td>
<td>11291</td>
<td>0.00013</td>
<td>0.017</td>
<td>0.083872111</td>
</tr>
<tr>
<td>GO:0043231</td>
<td>C</td>
<td>intracellular membrane-bounded organelle</td>
<td>870</td>
<td>10295</td>
<td>0.00013</td>
<td>0.017</td>
<td>0.084507042</td>
</tr>
<tr>
<td>GO:0043234</td>
<td>C</td>
<td>protein complex</td>
<td>278</td>
<td>2994</td>
<td>0.00056</td>
<td>0.047</td>
<td>0.092852371</td>
</tr>
<tr>
<td>GO:0044424</td>
<td>C</td>
<td>intracellular part</td>
<td>1151</td>
<td>13331</td>
<td>1.5E-08</td>
<td>0.0000065</td>
<td>0.08634011</td>
</tr>
<tr>
<td>GO:0044428</td>
<td>C</td>
<td>nuclear part</td>
<td>149</td>
<td>1449</td>
<td>0.0003</td>
<td>0.03</td>
<td>0.102829538</td>
</tr>
<tr>
<td>GO:0044431</td>
<td>C</td>
<td>Golgi apparatus part</td>
<td>64</td>
<td>535</td>
<td>0.00065</td>
<td>0.047</td>
<td>0.119626168</td>
</tr>
<tr>
<td>GO:0044433</td>
<td>C</td>
<td>cytoplasmic vesicle part</td>
<td>25</td>
<td>150</td>
<td>0.00061</td>
<td>0.047</td>
<td>0.166666667</td>
</tr>
<tr>
<td>GO:0044451</td>
<td>C</td>
<td>nucleoplasm part</td>
<td>52</td>
<td>410</td>
<td>0.00062</td>
<td>0.047</td>
<td>0.126829268</td>
</tr>
<tr>
<td>GO:0044464</td>
<td>C</td>
<td>cell part</td>
<td>1307</td>
<td>15517</td>
<td>0.0000014</td>
<td>0.00038</td>
<td>0.084230199</td>
</tr>
</tbody>
</table>