

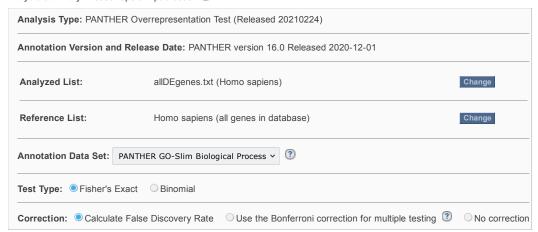


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New Enhancer-Gene Map

PANTHER16.0 Released.

Analysis Summary: Please report in publication ②



Results ?

Reference list allDEgenes.txt
Uniquely Mapped IDS: 20595 out of 20595 361 out of 361
Unmapped IDs: 0 12
Multiple mapping information: 0 0

Export Table XML with user input ids JSON with user input ids View: -- Please select a chart to display -- Y

Displaying only results for FDR P < 0.05, $\underline{\text{click here to display all results}}$

	Homo sapiens (REF)	allDEgenes.txt (▼ Hierarchy NEW! ②)						
PANTHER GO-Slim Biological Process	<u>#</u>	<u>#</u>	expected	Fold Enrichment	<u>+/-</u>	raw P value	<u>FDR</u>	
skin development	<u>7</u>	3	.12	24.45	+	5.56E-04	1.78E-02	
intermediate filament cytoskeleton organization	<u>13</u>	<u>5</u>	.23	21.94	+	1.05E-05	8.49E-04	
^L <u>cellular component organization</u>	<u>2624</u>	<u>79</u>	45.99	1.72	+	1.67E-06	2.03E-04	
Gellular component organization or biogenesis	<u>2750</u>	<u>79</u>	48.20	1.64	+	1.15E-05	8.62E-04	
positive regulation of axonogenesis	<u>21</u>	7	.37	19.02	+	3.68E-07	8.04E-05	
4-regulation of axonogenesis	<u>49</u>	<u>10</u>	.86	11.64	+	6.03E-08	2.63E-05	
4regulation of neuron projection development	<u>74</u>	<u>10</u>	1.30	7.71	+	1.81E-06	2.08E-04	
4-regulation of plasma membrane bounded cell projection organization	<u>89</u>	<u>11</u>	1.56	7.05	+	1.23E-06	1.67E-04	
regulation of cell projection organization	<u>91</u>	<u>11</u>	1.60	6.90	+	1.50E-06	1.92E-04	
regulation of cellular component organization	<u>410</u>	<u>20</u>	7.19	2.78	+	6.30E-05	3.12E-03	
<u> Pregulation of neuron differentiation</u>	<u>85</u>	<u>10</u>	1.49	6.71	+	5.60E-06	4.89E-04	
•regulation of neurogenesis	<u>108</u>	<u>10</u>	1.89	5.28	+	3.81E-05	2.13E-03	
^L iregulation of cell development	<u>121</u>	<u>10</u>	2.12	4.71	+	9.26E-05	4.21E-03	
<u> regulation of cell differentiation</u>	<u>167</u>	<u>11</u>	2.93	3.76	+	2.74E-04	1.11E-02	
•regulation of developmental process	<u>241</u>	<u>15</u>	4.22	3.55	+	4.11E-05	2.19E-03	
4regulation of nervous system development	<u>118</u>	<u>10</u>	2.07	4.83	+	7.62E-05	3.61E-03	
^L <u>regulation of multicellular organismal development</u>	<u>187</u>	<u>12</u>	3.28	3.66	+	1.83E-04	7.84E-03	
regulation of multicellular organismal process	<u>329</u>	<u>16</u>	5.77	2.77	+	3.48E-04	1.33E-02	
^L jregulation of cell morphogenesis involved in differentiation	<u>65</u>	<u>10</u>	1.14	8.78	+	6.23E-07	1.05E-04	
4regulation of cell morphogenesis	<u>84</u>	<u>11</u>	1.47	7.47	+	7.31E-07	1.14E-04	
4regulation of anatomical structure morphogenesis	<u>117</u>	<u>13</u>	2.05	6.34	+	4.04E-07	8.02E-05	
L-positive regulation of neuron projection development	<u>30</u>	7	.53	13.31	+	2.80E-06	3.06E-04	
4positive regulation of neuron differentiation	<u>33</u>	7	.58	12.10	+	4.85E-06	4.81E-04	

4-positive regulation of neurogenesis	<u>39</u>	7	.68	10.24	+	1.28E-05	8.98E-04
positive regulation of cell development	<u>46</u>	7	.81	8.68	+	3.31E-05	1.90E-03
4positive regulation of cell differentiation	<u>67</u>	7	1.17	5.96	+	2.84E-04	1.13E-02
ositive regulation of cellular process	<u>1295</u>	<u>40</u>	22.70	1.76	+	6.62E-04	2.06E-02
positive regulation of biological process	<u>1455</u>	<u>44</u>	25.50	1.73	+	5.92E-04	1.87E-02
opositive regulation of developmental process	<u>92</u>	<u>9</u>	1.61	5.58	+	6.27E-05	3.26E-03
^L positive regulation of nervous system development	<u>43</u>	7	.75	9.29	+	2.24E-05	1.40E-03
opositive regulation of multicellular organismal process	<u>118</u>	<u>9</u>	2.07	4.35	+	3.60E-04	1.33E-02
positive regulation of cell projection organization	<u>38</u>	<u>8</u>	.67	12.01	+	1.06E-06	1.54E-04
4-positive regulation of cellular component organization	<u>139</u>	<u>14</u>	2.44	5.75	+	4.35E-07	7.90E-05
regulation of cell shape	<u>27</u>	<u>8</u>	.47	16.90	+	1.13E-07	3.07E-05
attachment of spindle microtubules to kinetochore	<u>11</u>	<u>3</u>	.19	15.56	+	1.60E-03	4.73E-02
negative regulation of cell adhesion	<u>32</u>	7	.56	12.48	+	4.06E-06	4.22E-04
^L regulation of cell adhesion	<u>68</u>	7	1.19	5.87	+	3.09E-04	1.20E-02
response to virus	<u>40</u>	<u>5</u>	.70	7.13	+	1.02E-03	3.15E-02
<u>cell-cell junction assembly</u>	<u>52</u>	<u>6</u>	.91	6.58	+	4.77E-04	1.58E-02
Lecell junction organization	<u>64</u>	<u>6</u>	1.12	5.35	+	1.30E-03	3.94E-02
axon guidance	<u>104</u>	<u>11</u>	1.82	6.03	+	4.90E-06	4.65E-04
^L axonogenesis	<u>140</u>	<u>11</u>	2.45	4.48	+	6.38E-05	3.09E-03
uneuron projection morphogenesis	<u>177</u>	<u>11</u>	3.10	3.55	+	4.36E-04	1.51E-02
hplasma membrane bounded cell projection morphogenesis	<u>178</u>	<u>11</u>	3.12	3.53	+	4.56E-04	1.53E-02
<u> الحوال projection morphogenesis</u>	<u>178</u>	<u>11</u>	3.12	3.53	+	4.56E-04	1.55E-02
<u> cell part morphogenesis</u>	<u>180</u>	<u>11</u>	3.16	3.49	+	4.98E-04	1.62E-02
4cellular component morphogenesis	<u>204</u>	<u>11</u>	3.58	3.08	+	1.32E-03	3.93E-02
anatomical structure morphogenesis	<u>492</u>	<u>21</u>	8.62	2.44	+	3.66E-04	1.33E-02
<u> </u>	<u>241</u>	<u>16</u>	4.22	3.79	+	1.08E-05	8.44E-04
<u> →axon development</u>	<u>143</u>	<u>11</u>	2.51	4.39	+	7.62E-05	3.54E-03
4cell morphogenesis involved in neuron differentiation	<u>158</u>	<u>11</u>	2.77	3.97	+	1.74E-04	7.60E-03
^L -cell morphogenesis involved in differentiation	<u>178</u>	<u>13</u>	3.12	4.17	+	2.87E-05	1.69E-03
4-neuron projection guidance	<u>104</u>	<u>11</u>	1.82	6.03	+	4.90E-06	4.45E-04
└ <u>chemotaxis</u>	<u>176</u>	<u>11</u>	3.09	3.57	+	4.17E-04	1.47E-02
<u> Чtaxis</u>	<u>176</u>	<u>11</u>	3.09	3.57	+	4.17E-04	1.49E-02
4 <u>locomotion</u>	<u>384</u>	<u>24</u>	6.73	3.57	+	1.96E-07	4.76E-05
hovement of cell or subcellular component	<u>595</u>	<u>32</u>	10.43	3.07	+	4.92E-08	2.68E-05
regulation of cell migration	<u>111</u>	<u>11</u>	1.95	5.65	+	8.68E-06	7.29E-04
4-regulation of cell motility	<u>118</u>	<u>11</u>	2.07	5.32	+	1.48E-05	9.78E-04
^L <u>regulation of locomotion</u>	<u>123</u>	<u>11</u>	2.16	5.10	+	2.12E-05	1.36E-03
^L jregulation of cellular component movement	<u>125</u>	<u>11</u>	2.19	5.02	+	2.43E-05	1.47E-03
4 <u>regulation of localization</u>	<u>422</u>	<u>19</u>	7.40	2.57	+	2.55E-04	1.05E-02
extracellular matrix organization	<u>116</u>	<u>11</u>	2.03	5.41	+	1.27E-05	9.27E-04
•extracellular structure organization	<u>117</u>	<u>11</u>	2.05	5.36	+	1.37E-05	9.36E-04
<u>cell migration</u>	<u>263</u>	<u>23</u>	4.61	4.99	+	1.07E-09	2.35E-06
└ cell motility	<u>304</u>	<u>23</u>	5.33	4.32	+	1.39E-08	1.01E-05
ا <u>ا</u> ocalization of cell	<u>304</u>	<u>23</u>	5.33	4.32	+	1.39E-08	1.51E-05
tissue development	<u>157</u>	<u>12</u>	2.75	4.36	+	3.84E-05	2.09E-03
regulation of GTPase activity	<u>118</u>	9	2.07	4.35	+	3.60E-04	1.35E-02
4-regulation of hydrolase activity	280	<u>15</u>	4.91	3.06	+	2.00E-04	8.38E-03
1-regulation of catalytic activity	<u>646</u>	<u>26</u>	11.32	2.30	+	1.21E-04	5.40E-03
^L regulation of molecular function	<u>806</u>	<u>31</u>	14.13	2.19	+	6.28E-05	3.19E-03
<u>cell adhesion</u>	<u>366</u>	<u>24</u>	6.42	3.74	+	8.53E-08	3.10E-05
4 <u>biological adhesion</u>	<u>366</u>	<u>24</u>	6.42	3.74	+	8.53E-08	2.66E-05