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interpretation of the coordinate axes?

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| Hide/show dispensable GO terms |  | Expor     | Export results to text table (CSV) |                           |            | Make R script for plotting |  |
|--------------------------------|--|-----------|------------------------------------|---------------------------|------------|----------------------------|--|
| term ID                        | description  | frequency | pin?                               | log <sub>10</sub> p-value | uniqueness | dispensability             |  |
| GO:0002376                     | immune system process                                    | 0.625 %   |                                    | -1.0665                   | 0.98       | 0.00                       |  |
| <u>GO:0006956</u>              | complement activation                                    | 0.069 %   |                                    | -5.1904                   | 0.62       | 0.00                       |  |
| <u>GO:0050861</u>              | positive regulation of B cell receptor signaling pathway | 0.000 %   | -[=]                               | -1.0545                   | 0.70       | 0.82                       |  |
| <u>GO:0050853</u>              | B cell receptor signaling pathway                        | 0.003 %   | -[=]                               | -1.6050                   | 0.68       | 0.70                       |  |
| <u>GO:0045087</u>              | innate immune response                                   | 0.137 %   | -[ii]                              | -1.3832                   | 0.73       | 0.80                       |  |
| <u>GO:0051607</u>              | defense response to virus                                | 0.321 %   | -[=]                               | -1.2605                   | 0.70       | 0.84                       |  |
| <u>GO:0006957</u>              | complement activation, alternative pathway               | 0.000 %   | -[=]                               | -4.9747                   | 0.69       | 0.70                       |  |
| <u>GO:0006958</u>              | complement activation, classical pathway                 | 0.001 %   | -[=]                               | -5.3429                   | 0.69       | 0.76                       |  |
| <u>GO:0006955</u>              | immune response  | 0.380 %   | -[=]                               | -1.2406                   | 0.75       | 0.89                       |  |
| GO:0008152                     | metabolic process  | 82.183 %  |                                    | -6.5452                   | 1.00       | 0.00                       |  |
| GO:0019835                     | cytolysis  | 0.185 %   |                                    | -3.9318                   | 0.96       | 0.00                       |  |
| GO:0032392                     | DNA geometric change                                     | 0.428 %   |                                    | -1.3142                   | 0.93       | 0.02                       |  |

| 60 000057/        |  | 0.004.0/ |      | 2.02/0  | 0.00 | 0.00 |
|-------------------|--|----------|------|---------|------|------|
| GO:0002576        | platelet degranulation   | 0.001 %  |      | -2.8268 | 0.90 | 0.03 |
| GO:0007568        | aging  | 0.013 %  |      | -1.3210 | 0.91 | 0.03 |
| GO:0006636        | unsaturated fatty acid biosynthetic process  | 0.007 %  |      | -4.6799 | 0.76 | 0.07 |
| GO:0030212        | hyaluronan metabolic process   | 0.003 %  |      | -3.7328 | 0.92 | 0.08 |
| GO:0006629        | lipid metabolic process  | 3.094 %  |      | -4.3002 | 0.89 | 0.10 |
| GO:0043691        | reverse cholesterol transport  | 0.001 %  |      | -1.6170 | 0.91 | 0.15 |
| GO:0030301        | cholesterol transport  | 0.005 %  | -[=1 | -1.2793 | 0.90 | 0.92 |
| GO:0046166        | glyceraldehyde-3-phosphate biosynthetic process  | 0.000 %  |      | -1.0238 | 0.88 | 0.16 |
|                   |  |          |      |         |      |      |
| GO:0050892        | intestinal absorption  | 0.001 %  |      | -1.4859 | 0.87 | 0.16 |
| <u>GO:0019255</u> | glucose 1-phosphate metabolic process  | 0.000 %  |      | -1.3796 | 0.94 | 0.16 |
| GO:0019442        | tryptophan catabolic process to acetyl-CoA   | 0.000 %  |      | -4.3904 | 0.82 | 0.18 |
| GO:0042632        | cholesterol homeostasis  | 0.004 %  |      | -3.9431 | 0.83 | 0.19 |
| <u>GO:0055089</u> | fatty acid homeostasis   | 0.001 %  | -[=] | -1.5270 | 0.85 | 0.87 |
| <u>GO:0035356</u> | cellular triglyceride homeostasis  | 0.000 %  | -[=] | -2.3064 | 0.81 | 0.83 |
| <u>GO:0070328</u> | triglyceride homeostasis   | 0.002 %  | -[=1 | -1.0759 | 0.84 | 0.92 |
| GO:0055114        | oxidation-reduction process  | 15.044 % |      | -7.8327 | 0.88 | 0.21 |
|                   | •  |          |      |         |      |      |
| GO:0006147        | guanine catabolic process  | 0.013 %  |      | -1.3142 | 0.85 | 0.22 |
| GO:0006953        | acute-phase response   | 0.002 %  |      | -2.3394 | 0.81 | 0.25 |
| GO:0030521        | androgen receptor signaling pathway  | 0.003 %  |      | -1.1955 | 0.76 | 0.25 |
| GO:0010951        | negative regulation of endopeptidase activity  | 0.083 %  |      | -1.9971 | 0.75 | 0.26 |
| <u>GO:0043154</u> | negative regulation of cysteine-type endopeptidase activity involved in apoptotic process                  | 0.005 %  | -[=] | -1.1611 | 0.76 | 1.22 |
| GO:0070373        | negative regulation of ERK1 and ERK2 cascade   | 0.002 %  | -[=] | -1.2854 | 0.66 | 0.74 |
| GO:0071499        | cellular response to laminar fluid shear stress  | 0.000 %  |      | -1.0238 | 0.83 | 0.26 |
| GO:0071222        | cellular response to lipopolysaccharide  | 0.009 %  |      | -2.6236 | 0.73 | 0.27 |
|                   |  |          | _0-1 |         |      |      |
| <u>GO:0048545</u> | response to steroid hormone  | 0.034 %  | - =  | -1.2944 | 0.76 | 0.86 |
| <u>GO:0051384</u> | response to glucocorticoid   | 0.004 %  | -[=] | -2.2803 | 0.78 | 0.76 |
| GO:0006544        | glycine metabolic process  | 0.250 %  |      | -3.8665 | 0.78 | 0.29 |
| <u>GO:0006563</u> | L-serine metabolic process   | 0.264 %  | -[=] | -1.6413 | 0.78 | 0.84 |
| GO:0097192        | extrinsic apoptotic signaling pathway in absence of ligand   | 0.005 %  |      | -1.0869 | 0.74 | 0.31 |
| GO:0052695        | cellular glucuronidation   | 0.000 %  |      | -2.0175 | 0.84 | 0.33 |
| GO:0019805        | quinolinate biosynthetic process   | 0.031 %  |      | -1.2793 | 0.78 | 0.33 |
| GO:0042572        | retinol metabolic process  | 0.001 %  |      | -4.1267 | 0.72 | 0.33 |
|                   | ·  |          | _0-1 |         |      |      |
| <u>GO:0042574</u> | retinal metabolic process  | 0.001 %  | -[=] | -1.8707 | 0.83 | 0.91 |
| GO:0006508        | proteolysis  | 3.705 %  |      | -1.5162 | 0.90 | 0.35 |
| GO:0042158        | lipoprotein biosynthetic process   | 0.093 %  |      | -1.1095 | 0.89 | 0.36 |
| GO:0042157        | lipoprotein metabolic process  | 0.098 %  |      | -1.1955 | 0.92 | 0.36 |
| GO:0006641        | triglyceride metabolic process   | 0.005 %  |      | -2.6108 | 0.82 | 0.36 |
| <u>GO:0046327</u> | glycerol biosynthetic process from pyruvate  | 0.000 %  | -[=] | -1.5526 | 0.78 | 0.82 |
| GO:0090107        | regulation of high-density lipoprotein particle assembly   | 0.000 %  |      | -1.3796 | 0.80 | 0.38 |
| GO:0033622        | integrin activation  | 0.001 %  |      | -1.0238 | 0.94 | 0.39 |
| GO:0008206        | bile acid metabolic process  | 0.001 %  |      | -3.5702 | 0.76 | 0.40 |
|                   | •  |          | r⊶.  |         |      |      |
| <u>GO:0008203</u> | cholesterol metabolic process  | 0.007 %  | -[=] | -3.1198 | 0.78 | 0.75 |
| <u>GO:0006694</u> | steroid biosynthetic process   | 0.030 %  | -[=] | -1.8880 | 0.78 | 0.88 |
| <u>GO:0006695</u> | cholesterol biosynthetic process   | 0.002 %  | -[=] | -2.3231 | 0.77 | 0.89 |
| GO:0060136        | embryonic process involved in female pregnancy   | 0.000 %  |      | -1.0545 | 0.87 | 0.41 |
| GO:0007584        | response to nutrient   | 0.004 %  |      | -1.9971 | 0.79 | 0.44 |
| GO:1902904        | negative regulation of fibril organization   | 0.000 %  |      | -1.4573 | 0.81 | 0.44 |
| GO:0034625        | fatty acid elongation, monounsaturated fatty acid  | 0.000 %  |      | -2.1981 | 0.78 | 0.44 |
|                   | · · · · · · · · · · · · · · · · · · ·  |          | -[=] |         | 0.78 |      |
|                   | fatty acid elongation, polyunsaturated fatty acid  | 0.000 %  | -[]  | -2.1490 |      | 0.95 |
| GO:0072318        | clathrin coat disassembly  | 0.000 %  |      | -1.1639 | 0.88 | 0.45 |
| <u>GO:0007586</u> | digestion  | 0.006 %  |      | -1.0137 | 0.88 | 0.46 |
| GO:0042761        | very long-chain fatty acid biosynthetic process  | 0.001 %  |      | -2.4529 | 0.78 | 0.47 |
| GO:0045444        | fat cell differentiation   | 0.011 %  |      | -1.1091 | 0.89 | 0.47 |
| GO:0035999        | tetrahydrofolate interconversion   | 0.102 %  |      | -1.7374 | 0.78 | 0.47 |
| GO:0016062        | adaptation of rhodopsin mediated signaling   | 0.000 %  |      | -1.5526 | 0.73 | 0.48 |
| GO:0006911        | phagocytosis, engulfment   | 0.001 %  |      | -1.8836 | 0.89 | 0.48 |
| GO:0006910        | phagocytosis, recognition  | 0.001 %  | -[=1 | -1.3923 | 0.88 | 0.78 |
|                   |  |          | [    |         |      |      |
| GO:1900034        | regulation of cellular response to heat  | 0.000 %  |      | -1.1450 | 0.76 | 0.48 |
| GO:0001771        | immunological synapse formation  | 0.000 %  |      | -2.0590 | 0.84 | 0.51 |
| <u>GO:0050871</u> | positive regulation of B cell activation   | 0.004 %  | -[=] | -1.5934 | 0.76 | 0.71 |
| GO:0006631        | fatty acid metabolic process   | 0.867 %  |      | -3.3152 | 0.71 | 0.51 |
| <u>GO:0006644</u> | phospholipid metabolic process   | 1.014 %  | -[=] | -1.6987 | 0.77 | 0.76 |
| GO:0006633        | fatty acid biosynthetic process  | 0.629 %  | -[=] | -3.1785 | 0.70 | 0.75 |
| GO:0006103        | 2-oxoglutarate metabolic process   | 0.010 %  |      | -1.0441 | 0.82 | 0.51 |
|                   | positive regulation of transcription from RNA polymerase II promoter in response to acidic                 |          |      |         |      |      |
| GO:0061402        | pH   | 0.000 %  |      | -1.1639 | 0.75 | 0.52 |
| GO:0042493        | •  | 0.207 %  |      | -1.2606 | 0.78 | 0.53 |
|                   | response to drug   |          |      |         |      |      |
| GO:0006107        | oxaloacetate metabolic process   | 0.017 %  |      | -1.1450 | 0.82 | 0.53 |
| GO:0006990        | positive regulation of transcription from RNA polymerase II promoter involved in unfolded protein response | 0.000 %  |      | -1.2577 | 0.67 | 0.53 |
| GO:0006656        | phosphatidylcholine biosynthetic process   | 0.002 %  |      | -1.7272 | 0.75 | 0.54 |
| GO:1902807        | negative regulation of cell cycle G1/S phase transition  | 0.004 %  |      | -1.4573 | 0.80 | 0.54 |
| GO:0097053        | L-kynurenine catabolic process   | 0.004 %  |      | -1.7194 | 0.80 | 0.54 |
|                   |  |          |      |         |      |      |
| GO:0016480        | negative regulation of transcription from RNA polymerase III promoter                                      | 0.002 %  |      | -1.0877 | 0.79 | 0.54 |
| GO:0043124        | negative regulation of I-kappaB kinase/NF-kappaB signaling   | 0.002 %  |      | -1.6308 | 0.69 | 0.55 |
|                   |  |          |      |         |      |      |

| GO:0006089        | lactate metabolic process  | 0.034 % |      | -1.1240 | 0.77 | 0.58 |
|-------------------|--|---------|------|---------|------|------|
| GO:0002418        | immune response to tumor cell                                    | 0.001 % |      | -3.8268 | 0.79 | 0.58 |
| <u>GO:0002357</u> | defense response to tumor cell                                   | 0.000 % | -[=] | -3.5272 | 0.82 | 0.92 |
| GO:0006954        | inflammatory response  | 0.099 % |      | -1.5422 | 0.79 | 0.58 |
| GO:0006520        | cellular amino acid metabolic process                            | 6.437 % |      | -1.1310 | 0.75 | 0.58 |
| GO:0010977        | negative regulation of neuron projection development             | 0.002 % |      | -1.3999 | 0.72 | 0.60 |
| <u>GO:0071638</u> | negative regulation of monocyte chemotactic protein-1 production | 0.000 % | -[=] | -1.0545 | 0.79 | 0.77 |
| <u>GO:0032715</u> | negative regulation of interleukin-6 production                  | 0.001 % | -[=  | -1.0869 | 0.77 | 0.76 |
| GO:0055088        | lipid homeostasis  | 0.006 % |      | -1.1766 | 0.85 | 0.60 |
| GO:0051365        | cellular response to potassium ion starvation                    | 0.000 % |      | -1.1240 | 0.79 | 0.60 |
| GO:0034354        | 'de novo' NAD biosynthetic process from tryptophan               | 0.008 % |      | -1.2646 | 0.82 | 0.60 |
| GO:0034516        | response to vitamin B6   | 0.000 % |      | -1.6760 | 0.79 | 0.61 |
| GO:0006936        | muscle contraction   | 0.018 % |      | -1.2334 | 0.87 | 0.62 |
| GO:0071333        | cellular response to glucose stimulus                            | 0.003 % |      | -1.1611 | 0.66 | 0.63 |
| <u>GO:0071332</u> | cellular response to fructose stimulus                           | 0.000 % | -[=  | -1.0238 | 0.80 | 0.85 |
| GO:0071347        | cellular response to interleukin-1                               | 0.004 % |      | -1.5776 | 0.77 | 0.63 |
| GO:0006536        | glutamate metabolic process                                      | 0.272 % |      | -1.1698 | 0.77 | 0.63 |
| GO:0032088        | negative regulation of NF-kappaB transcription factor activity   | 0.004 % |      | -1.0739 | 0.78 | 0.64 |
| GO:0070327        | thyroid hormone transport  | 0.000 % |      | -1.9782 | 0.84 | 0.64 |
| GO:0019915        | lipid storage  | 0.006 % |      | -1.0739 | 0.83 | 0.65 |
| GO:0043420        | anthranilate metabolic process                                   | 0.008 % |      | -1.2502 | 0.78 | 0.67 |
| GO:0050728        | negative regulation of inflammatory response                     | 0.005 % |      | -1.4778 | 0.68 | 0.67 |
| <u>GO:0007596</u> | blood coagulation  | 0.015 % | -[=  | -1.4130 | 0.67 | 0.73 |
| GO:0001970        | positive regulation of activation of membrane attack complex     | 0.000 % |      | -1.2081 | 0.67 | 0.68 |
| GO:0034435        | cholesterol esterification                                       | 0.001 % |      | -1.0877 | 0.82 | 0.68 |
| GO:0032869        | cellular response to insulin stimulus                            | 0.008 % |      | -1.2008 | 0.75 | 0.68 |
| <u>GO:0032868</u> | response to insulin  | 0.010 % | -[=  | -1.0808 | 0.77 | 0.96 |
| GO:0046098        | guanine metabolic process  | 0.013 % |      | -1.3142 | 0.85 | 0.68 |
| GO:0007275        | multicellular organismal development                             | 0.460 % |      | -1.1744 | 0.84 | 0.69 |
| GO:0006569        | tryptophan catabolic process                                     | 0.044 % |      | -3.9626 | 0.77 | 0.69 |
| <u>GO:0019441</u> | tryptophan catabolic process to kynurenine                       | 0.029 % | -[=  | -2.9497 | 0.77 | 0.97 |
| GO:0014070        | response to organic cyclic compound                              | 0.061 % |      | -1.2430 | 0.77 | 0.70 |
|                   |  |         |      |         |      |      |

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|-------------------|-----------------------------------|---------------|---------|---------------------------|------------|-----------------------|
| term ID           | description                       | frequency     | pin?    | log <sub>10</sub> p-value | uniqueness | dispensability        |
| <u>GO:0005576</u> | extracellular region              | 4.572 %       |         | -5.2069                   | 0.95       | 0.00                  |
| GO:0005925        | focal adhesion                    | 0.016 %       |         | -1.1476                   | 0.94       | 0.00                  |
| GO:0016020        | membrane                          | 51.720 %      |         | -2.9286                   | 0.97       | 0.00                  |
| GO:0070062        | extracellular exosome             | 0.300 %       |         | -20.2048                  | 0.51       | 0.00                  |
| <u>GO:0031410</u> | cytoplasmic vesicle               | 0.167 %       | -[=]    | -1.4370                   | 0.61       | 0.88                  |
| GO:0097447        | dendritic tree                    | 0.006 %       |         | -2.9596                   | 0.84       | 0.00                  |
| <u>GO:0043025</u> | neuronal cell body                | 0.028 %       | -[=]    | -1.1674                   | 0.84       | 0.78                  |
| GO:0005579        | membrane attack complex           | 0.002 %       |         | -1.9891                   | 0.83       | 0.02                  |
| GO:0043209        | myelin sheath                     | 0.005 %       |         | -1.5779                   | 0.92       | 0.02                  |
| GO:0048471        | perinuclear region of cytoplasm   | 0.050 %       |         | -1.2460                   | 0.72       | 0.02                  |
| GO:0017053        | transcriptional repressor complex | 0.014 %       |         | -1.8271                   | 0.90       | 0.23                  |
| GO:0044194        | cytolytic granule                 | 0.000 %       |         | -2.4728                   | 0.68       | 0.24                  |
| <u>GO:0005764</u> | lysosome                          | 0.049 %       | -[=]    | -1.4918                   | 0.61       | 0.76                  |
| GO:0005829        | cytosol                           | 0.807 %       |         | -1.1590                   | 0.68       | 0.28                  |
| GO:0005777        | peroxisome                        | 0.063 %       |         | -1.3348                   | 0.63       | 0.33                  |
| GO:0005789        | endoplasmic reticulum membrane    | 0.136 %       |         | -3.2874                   | 0.45       | 0.35                  |
| <u>GO:0032580</u> | Golgi cisterna membrane           | 0.012 %       | -[=]    | -1.3141                   | 0.52       | 0.71                  |
| <u>GO:0005768</u> | endosome                          | 0.077 %       | -[=]    | -1.8775                   | 0.50       | 0.72                  |
| <u>GO:0000139</u> | Golgi membrane                    | 0.090 %       | -[=]    | -1.0534                   | 0.47       | 0.83                  |
|                   |                                   |               |         |                           |            |                       |

| <b>GO:0030176</b> | integral component of endoplasmic reticulum membrane | 0.034 % | -[=] | -1.9889 | 0.49 | 0.90 |
|-------------------|--|---------|------|---------|------|------|
| <u>GO:0005783</u> | endoplasmic reticulum                                | 0.299 % | -[=] | -2.4584 | 0.46 | 0.84 |
| <u>GO:0005794</u> | Golgi apparatus                                      | 0.265 % | -[=] | -2.5372 | 0.46 | 0.79 |
| <u>GO:0005791</u> | rough endoplasmic reticulum                          | 0.007 % | -[=] | -1.2765 | 0.54 | 0.72 |
| GO:0009897        | external side of plasma membrane                     | 0.032 % |      | -1.6288 | 0.88 | 0.36 |
| GO:0005759        | mitochondrial matrix                                 | 0.055 % |      | -3.0660 | 0.58 | 0.38 |
| <u>GO:0005654</u> | nucleoplasm  | 0.221 % | -[=] | -1.6849 | 0.58 | 0.77 |
| GO:0072562        | blood microparticle                                  | 0.012 % |      | -6.5935 | 0.83 | 0.46 |
| GO:0031904        | endosome lumen                                       | 0.000 % |      | -2.2775 | 0.59 | 0.49 |
| GO:0043231        | intracellular membrane-bounded organelle             | 8.847 % |      | -2.0474 | 0.56 | 0.53 |
| GO:0031089        | platelet dense granule lumen                         | 0.000 % |      | -1.4426 | 0.53 | 0.58 |
| GO:0005615        | extracellular space                                  | 0.249 % |      | -7.4318 | 0.84 | 0.58 |
| GO:0034364        | high-density lipoprotein particle                    | 0.003 % |      | -2.2028 | 0.76 | 0.62 |
| <u>GO:0034361</u> | very-low-density lipoprotein particle                | 0.002 % | -[=  | -1.3655 | 0.76 | 1.28 |
| <u>GO:0030118</u> | clathrin coat  | 0.051 % |      | -1.0096 | 0.66 | 0.62 |
| <u>GO:0042470</u> | melanosome   | 0.004 % |      | -1.6985 | 0.62 | 0.69 |
| GO:0001917        | photoreceptor inner segment                          | 0.003 % |      | -1.5669 | 0.84 | 0.69 |

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|-------------------|--|---------------|---------|---------------------------|------------|-----------------------|
| term ID           | description                                  | frequency     | pin?    | log <sub>10</sub> p-value | uniqueness | dispensability        |
| GO:0003713        | transcription coactivator activity           | 0.025 %       |         | -1.9430                   | 0.96       | 0.00                  |
| GO:0003824        | catalytic activity                           | 69.295 %      |         | -4.2933                   | 0.99       | 0.00                  |
| <u>GO:0004745</u> | retinol dehydrogenase activity               | 0.001 %       |         | -4.4237                   | 0.91       | 0.00                  |
| GO:0004867        | serine-type endopeptidase inhibitor activity | 0.030 %       |         | -6.7100                   | 0.93       | 0.00                  |
| <u>GO:0004866</u> | endopeptidase inhibitor activity             | 0.084 %       | -[=]    | -4.9706                   | 0.93       | 0.93                  |
| GO:0005044        | scavenger receptor activity                  | 0.013 %       |         | -3.8601                   | 0.96       | 0.00                  |
| GO:0008201        | heparin binding                              | 0.013 %       |         | -3.2048                   | 0.92       | 0.00                  |
| GO:0022829        | wide pore channel activity                   | 0.137 %       |         | -3.3098                   | 0.96       | 0.00                  |
| GO:0009922        | fatty acid elongase activity                 | 0.000 %       |         | -3.3747                   | 0.93       | 0.01                  |
| GO:0004658        | propionyl-CoA carboxylase activity           | 0.003 %       |         | -2.9921                   | 0.92       | 0.01                  |
| <u>GO:0003989</u> | acetyl-CoA carboxylase activity              | 0.129 %       | -[=]    | -1.0677                   | 0.91       | 0.78                  |
| GO:0004252        | serine-type endopeptidase activity           | 0.675 %       |         | -2.7086                   | 0.90       | 0.01                  |
| <u>GO:0008236</u> | serine-type peptidase activity               | 1.044 %       | -[=]    | -1.5270                   | 0.90       | 0.94                  |
| GO:0016853        | isomerase activity                           | 3.154 %       |         | -1.1245                   | 0.95       | 0.03                  |
| <u>GO:0005178</u> | integrin binding                             | 0.004 %       |         | -2.3147                   | 0.77       | 0.03                  |
| GO:0044822        | poly(A) RNA binding                          | 0.135 %       |         | -2.1140                   | 0.92       | 0.03                  |
|                   |  |               |         |                           |            |                       |

| GO:0005506 iron ion bindi GO:0004372 glycine hydro GO:0008301 DNA binding, GO:0008398 sterol 14-dem GO:0030429 kynureninase GO:0004623 phospholipase GO:0030170 pyridoxal pho GO:0004000 adenosine deam GO:00031177 phosphopante GO:0000166 nucleotide bin   | se activity ng ivity ctivity ing ransferase activity                      | 0.064 % 14.657 % 2.482 % 21.764 % 22.118 % 6.702 % 1.765 % | -1.9639<br>-4.5331<br>-1.4808<br>-1.2116<br>-1.0060<br>-1.2820 |                      | 0.04<br>0.04<br>0.05<br>0.07<br>0.07 |  |
|--|---|--|--|----------------------|--------------------------------------|--|
| GO:0005515 GO:0016787 hydrolase act GO:0016740 transferase ac GO:0048037 cofactor bind GO:0020037 heme binding GO:0015020 glucuronosylt iron ion bindi GO:0004372 glycine hydro GO:0008391 DNA binding, GO:0008398 sterol 14-dem GO:0030429 kynureninase GO:0030429 cO:0004623 glycine hydro glycine hyd | ransferase activity   | 2.482 %<br>21.764 %<br>22.118 %<br>6.702 %<br>1.765 %      | -1.4808<br>-1.2116<br>-1.0060                                  | 0.92<br>0.95<br>0.95 | 0.05<br>0.07                         |  |
| GO:0016787 hydrolase act transferase act trans | ivity ctivity ing ransferase activity                                     | 21.764 %<br>22.118 %<br>6.702 %<br>1.765 %                 | -1.2116<br>-1.0060   | 0.95<br>0.95         | 0.07                                 |  |
| GO:0016740 transferase and GO:0048037 cofactor bind heme binding glucuronosylth go:0005506 iron ion binding GO:0004372 glycine hydro GO:0008301 DNA binding, GO:0008398 sterol 14-dem GO:0004623 phospholipase GO:0004623 phospholipase GO:0004000 adenosine dem GO:0004000 guanine deam GO:0000166 nucleotide binding   | ransferase activity   | 22.118 %<br>6.702 %<br>1.765 %                             | -1.0060  | 0.95                 |                                      |  |
| GO:0048037 cofactor bind GO:0020037 heme binding glucuronosylt iron ion bindi GO:0005506 iron ion bindi glycine hydro DNA binding, GO:0008301 DNA binding, Sterol 14-dem GO:0030429 kynureninase GO:0030429 kynureninase GO:0030170 pyridoxal pho GO:0004000 adenosine dem GO:00031177 phosphopante GO:0000166 nucleotide binding  | ransferase activity   | 6.702 %<br>1.765 %   |  |                      | 0.07                                 |  |
| GO:0020037 heme binding glucuronosylt iron ion binding GO:0005506 iron ion binding glycine hydro GO:0008301 DNA binding, GO:0008398 sterol 14-dem GO:0030429 kynureninase GO:0030470 pyridoxal pho GO:0004623 phospholipase GO:0004000 adenosine deam GO:00031177 phosphopante GO:0000166 nucleotide binding   | ransferase activity   | 1.765 %  | -1.2820  | 0.02                 |                                      |  |
| GO:0015020 glucuronosylt GO:0005506 iron ion bindi GO:0004372 glycine hydro GO:0008301 DNA binding, GO:0008398 sterol 14-dem GO:0030429 kynureninase GO:0004623 phospholipase GO:0030170 pyridoxal pho GO:0004000 adenosine deam GO:00031177 phosphopante GO:0000166 nucleotide bin  | ransferase activity   |  |  | 0.92                 | 0.08                                 |  |
| GO:0005506 iron ion bindi GO:0004372 glycine hydro GO:0008301 DNA binding, GO:0008398 sterol 14-dem GO:0030429 kynureninase GO:0004623 phospholipase GO:0030170 pyridoxal pho GO:0004000 adenosine deam GO:0008892 guanine deam GO:00031177 phosphopante GO:0000166 nucleotide bin   | •   |  | -1.6958  | 0.91                 | 0.09                                 |  |
| GO:0004372 glycine hydro GO:0008301 DNA binding, GO:0008398 sterol 14-dem GO:0030429 kynureninase GO:0004623 phospholipase GO:0030170 pyridoxal pho GO:0004000 adenosine deam GO:0008892 guanine deam GO:00031177 phosphopante GO:0000166 nucleotide bin   | าg  | 0.003 %  | -2.4828  | 0.91                 | 0.10                                 |  |
| GO:0008301 DNA binding, sterol 14-dem GO:0008398 kynureninase phospholipase phospholipase GO:0004623 pyridoxal phospholipase GO:0004000 adenosine deam GO:00031177 phosphopante GO:0000166 nucleotide bit  |   | 2.467 %  | -2.0605  | 0.90                 | 0.12                                 |  |
| GO:0008398 sterol 14-dem GO:0030429 kynureninase phospholipase go:0004623 pyridoxal pho GO:0004000 adenosine deam GO:00031177 phosphopante GO:0000166 nucleotide bit   | xymethyltransferase activity  | 0.056 %  | -2.3218  | 0.93                 | 0.13                                 |  |
| GO:0030429 kynureninase phospholipase phospholipase pyridoxal phospholipase pyridoxal phospholipase pyridoxal phospholipase guanine deam guanine deam phosphopante GO:0000166 nucleotide bit   | bending   | 0.001 %  | -1.4689  | 0.93                 | 0.13                                 |  |
| GO:0004623 phospholipase GO:0030170 pyridoxal pho GO:0004000 adenosine deam GO:0008892 guanine deam GO:00031177 phosphopante GO:0000166 nucleotide bit   | ethylase activity   | 0.001 %  | -1.0891  | 0.93                 | 0.14                                 |  |
| GO:0030170 pyridoxal pho<br>GO:0004000 adenosine deam<br>GO:0008892 guanine deam<br>GO:00031177 phosphopante<br>GO:0000166 nucleotide bil  | activity  | 0.006 %  | -1.8408  | 0.93                 | 0.16                                 |  |
| GO:0004000 adenosine deam guanine deam GO:00031177 phosphopante GO:0000166 nucleotide bit  | e A2 activity   | 0.011 %  | -1.2388  | 0.93                 | 0.17                                 |  |
| GO:0008892 guanine deam<br>guanine deam<br>guanine deam<br>phosphopante<br>nucleotide bil  | sphate binding  | 1.703 %  | -2.4502  | 0.90                 | 0.19                                 |  |
| GO:0031177 phosphopante<br>GO:0000166 nucleotide bit   | aminase activity  | 0.061 %  | -1.6441  | 0.91                 | 0.19                                 |  |
| GO:0000166 nucleotide bi   | inase activity  | 0.015 %  | -1.3156  | 0.91                 | 0.71                                 |  |
|  | theine binding  | 0.062 %  | -1.1121  | 0.91                 | 0.22                                 |  |
| GO:0004607 phosphatidylo   | nding   | 20.353 %   | -1.2834  | 0.90                 | 0.27                                 |  |
|  | holine-sterol O-acyltransferase activity                                  | 0.000 %  | -1.1254  | 0.93                 | 0.28                                 |  |
| GO:0052650 NADP-retinol  | dehydrogenase activity  | 0.000 %  | -1.0559  | 0.92                 | 0.31                                 |  |
| GO:0035615 clathrin adap   | tor activity  | 0.000 %  | -1.1653  | 0.81                 | 0.31                                 |  |
| GO:0034186 apolipoprotei   | n A-I binding   | 0.000 %  | -1.4587  | 0.80                 | 0.31                                 |  |
| GO:0050733 RS domain bir   | nding   | 0.000 %  | -1.2095  | 0.80                 | 0.32                                 |  |
| GO:0004467 long-chain fat  | ty acid-CoA ligase activity   | 0.016 %  | -1.1981  | 0.93                 | 0.33                                 |  |
| GO:0005509 calcium ion b   | inding  | 0.365 %  | -1.1575  | 0.91                 | 0.34                                 |  |
| GO:0002020 protease bind   |   | 0.004 %  | -1.8831  | 0.78                 | 0.36                                 |  |
| GO:0001848 complement  | pinding   | 0.018 %  | -2.1519  | 0.77                 | 0.39                                 |  |
|  | se activity, acting on the CH-OH group of donors, NAD or NADP as acceptor | 1.929 %  | -1.5353  | 0.89                 | 0.47                                 |  |
| GO:0042802 identical prot  | -   | 0.154 %  | -2.0553  | 0.74                 | 0.48                                 |  |
|  | lin receptor binding  | 0.000 %  | -1.6198  | 0.79                 | 0.48                                 |  |
| G0:0031072 heat shock pr   | _   | 0.070 %  | -1.4781  | 0.75                 | 0.52                                 |  |
|  | glucosaminylglycopeptide beta-1,4-galactosyltransferase activity          | 0.000 %  | -2.3093  | 0.91                 | 0.54                                 |  |
|  | nsferase activity   | 0.025 %  | -2.1787  | 0.91                 | 0.55                                 |  |
|  | dimerization activity   | 0.122 %  | -1.3803  | 0.74                 | 0.55                                 |  |
| GO:0005125 cytokine activ  |   | 0.020 %  | -1.0974  | 0.75                 | 0.59                                 |  |
|  | ization activity  | 0.735 %  | -1.7487  | 0.72                 | 0.63                                 |  |
| GO:0019899 enzyme bindi  | าซู   | 0.221 %  | -1.1584  | 0.74                 | 0.65                                 |  |
| GO:0005102 receptor bind   | -   |  |  |                      |                                      |  |
| GO:0016901 oxidoreductas as acceptor   | ing   | 0.416 %  | -1.0810  | 0.73                 | 0.69                                 |  |

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Frequent keywords within your set of GO terms:

metabolism activitory results heterocycle systematic single-organism apolipoproteins enzyme neurites state triacylglycerols expression secretion transform production -cooh aged compound mapk3 mapk1 membrane-enclosed non-living purposes cascade Similarly ccl2 lipids stimulus individual reactions repetition metabolic organic response biopolymer attack object non-encoded alditols fatty-acid shear kynurenine peptidolysis organonitrogen erk1/2 vacuoles mcp-1 acidity chemical non-protein acidic organism tcc encapsulating stoichiometric biochemical mac simply neurogenesis 3-(2-aminobenzoyl)-alanine abiotic result **Subcomponent** macromolecule nucleic pathways protein-lipid process cellular macromolecules



Keywords that correlate with the value you provided alongside GO terms:

proceeds 40-100 occupied serpin encapsulating parental outermost after proteases substrates removal limiting replication participation catalyze parasite fusion derived repair exosome others platelets hydrolyzes alternative steps size mdr simply covers concomitant promote microvesicles microsomal outside catalytically endotoxins iga endoproteinase becomes igm endothelial protons space antigen- igg surroundings transform desaturation disposal at successive properdin globulin electrons direct microparticles refers living antibody-coated retinene antagonizes altered walls inhibits microbes endopeptidases microparticle reversible microvesicle nonterminal

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