Recruitment: Bio informaticians

Report

I am afraid that I did not understand the given article correctly. For list L I have selected the given data that was in the file leukemia.txt. From text file pathways programs reads paths. The problem is that sometimes program leaves words like 'Manually Curated' or 'BioCarta', and later in the program these words are interpreted as genes. The other problem that my program has is that it cannot accept paths longer than 73. If I understand the article correctly, the position of the gene in path is important and weight, with which we calculate ES is depended on the position of the gene. I thought that correlation between genes is represented in the leukemia.text. But if that is corrected, the rows in file would be at least long as the longest path. Another problem that my program has is that not all genes that appear in the paths are in the leukemia.text. So for them I do not have weights and result. In short, I did not know how to solve problem, that was given to me and the program that is written is my best attempt to understand the problem.

This is the output that my program returns:

[17.493846153831136, 11.330769230764195, 5.1642307692314855, 14.41269230768228, 18.523076923060238, 12.35615384614715, 12.356538461531764, 4.137692307692316, 10.302692307688938, 12.356538461531764, 14.412307692297665, 18.521153846137164, 37.018076923085864, 8.246153846153808, 23.65653846151346, 2.0823076923073445, 4.137307692307701, 21.606153846132166, 13.383461538453178, 15.43846153844985, 5.164615384616101, 11.329999999994966, 33.93192307690851, 19.548076923058577, 21.606153846132166, 21.603461538439863, 7.220384615386239, 24.68653846151179, 34.95807692307017, 6.1919230769245015, 39.06769230771686, 10.301153846150479, 5.164615384616101, 13.384999999991637, 18.51999999998332, 17.493846153831136, 12.35615384614715, 29.824999999965005, 8.246923076923037, 22.629615384592046, 12.357692307685609, 22.63076923074589, 17.491923076908062, 14.41269230768228, 8.246538461538423, 14.41192307691305, 12.356538461531764, 15.43769230768062, 38.04423076924753, 34.962307692300975, 25.713461538433204, 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