Explain for results

The outputs of MetaGo shown in step 4 of demo hold all the results:

1. If you choose ‘ASS’ function to filter, the files in folder ASS\_filtered\_down\_\* and WR\_filterd\_down\_\* hold the logical group\_specific features and numerical group\_specific features separately（Because the software was running in parallel with spark, the result was saved in multiple folders ）. You can cat all of them into 2 new files (eg. logical\_festures.txt and numerical\_features.txt ) with following commands:

*cat ASS\_filtered\_down\_1/\* ASS\_filtered\_down\_2/\* ASS\_filtered\_down\_3/\* ASS\_filtered\_down\_4/\* ＞ logical\_festures.txt*

*cat WR\_filterd\_down\_1/\* WR\_filterd\_down\_2/\* WR\_filterd\_down\_3/\* WR\_filterd\_down\_4/\* ＞numerical\_features.txt*

In logical\_festures.txt, it will be like this:

AGTCGATTGC 1 1 1 1 1 1 1 0 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 ASS:0.944 Label:H

……

In the numerical\_features.txt,it will be like this:

CCCCCCGCCA 0.0 45.9369 0.0 136.9363 0.0 66.8896 57.2475 57.1755 0.0 45.6163 0.0 0.0 0.0 0.0 0.0 57.241 57.5639 0.0 0.0 0.0 57.1559 0.0 0.0 45.5539 0.0 0.0 0.0 0.0 45.7917 0.0 45.6433 0.0 0.0 0.0 0.0 46.0851 45.7289 0.0 0.0 0.0 0.0 0.0 0.0 45.5125 0.0 0.0 0.0 0.0 45.7792 0.0 Wilcoxon\_Pvalue:0.18063688161 Regress\_ASS:0.58 Label:H

……

1. If you choose ‘chi2-test’ function to filter, the files in folder Chi2\_filtered\_down\_\* hold the group\_specific features which p-value less than the threshold you set in chi2-test with –C, and files in folder WR\_filtered\_down\_\* hold the group\_specific features which p-value greater than the threshold you set in chi2-test but p-value less than the threshold you set in Wilcoxon with –X and p-value in Logical Regress test greater than the threshold you set with -L. You can also cat all of them into 2 new files use the command shown in 1.
2. The files in folder tuple\_union\_\* and filter\_sparse\_\* hold all features that without any filtering and features after filtering out highly-sparse features.
3. Other results was explained in readme.