XP_801757

2024-04-08

```r
library(ASEB)

backgroundSites <- readSequence("/Users/zhanglinqi/ASEB/extdata/background_sites.fa")
prodefinedSites <- readSequence("/Users/zhanglinqi/ASEB/extdata/predefined_sites.fa")
testProteins <- readSequence("/Users/zhanglinqi/ASEB/extdata/XP_801757.fa")
resultList <- asebProteins(backgroundSites, prodefinedSites, testProteins, permutationTimes=100)
```

```
## Please wait patiently!
## background sites: /var/folders/nb/v_689hps47ndp_t4ynh4n9k40000gn/T//RtmpzD2zSE/backgroundSitesFile
## predefined sites: /var/folders/nb/v_689hps47ndp_t4ynh4n9k40000gn/T//RtmpzD2zSE/prodefinedSitesFile
## proteins to test: /var/folders/nb/v_689hps47ndp_t4ynh4n9k40000gn/T//RtmpzD2zSE/testProteinsFile
## output: /var/folders/nb/v_689hps47ndp_t4ynh4n9k40000gn/T//RtmpzD2zSE/outputFile
## Permutation times: 100
## processed 19 sites
```

```r
resultList$results
```

```
##              site           ES p-value
## 1    XP_801757.1_33 0.00400000    0.80
## 2    XP_801757.1_46 0.02346460    0.11
## 3    XP_801757.1_50 0.01840450    0.31
## 4    XP_801757.1_83 0.00356881    0.83
## 5   XP_801757.1_112 0.00450000    0.82
## 6   XP_801757.1_168 0.00150000    0.95
## 7   XP_801757.1_184 0.03714670    0.07
## 8   XP_801757.1_194 0.00190000    0.94
## 9   XP_801757.1_210 0.00879919    0.70
## 10  XP_801757.1_215 0.00712199    0.73
## 11  XP_801757.1_250 0.00050000    0.97
## 12  XP_801757.1_302 0.02654710    0.07
## 13  XP_801757.1_309 0.00180000    0.96
## 14  XP_801757.1_318 0.00780000    0.67
## 15  XP_801757.1_322 0.02375780    0.12
## 16  XP_801757.1_342 0.00410000    0.86
## 17  XP_801757.1_378 0.00260013    0.84
## 18  XP_801757.1_416 0.00570000    0.78
## 19  XP_801757.1_493 0.00393262    0.80
```

```r
drawStat(curveInfoDataFrame=resultList$curveInfo)
```

sites of protein XP_801757.1