

XP_003724498

2024-04-08

```
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_799905.fa")
resultList <- asebProteins(backgroundSites, prodefinedSites, testProteins, permutationTimes=100)
```

```
## Please wait patiently!
## background sites: /var/folders/nb/v_689hps47ndp_t4ynh4n9k40000gn/T//RtmpXiIjfh/backgroundSitesFile
## predefined sites: /var/folders/nb/v_689hps47ndp_t4ynh4n9k40000gn/T//RtmpXiIjfh/prodefinedSitesFile
## proteins to test: /var/folders/nb/v_689hps47ndp_t4ynh4n9k40000gn/T//RtmpXiIjfh/testProteinsFile
## output: /var/folders/nb/v_689hps47ndp_t4ynh4n9k40000gn/T//RtmpXiIjfh/outputFile
## Permutation times: 100
## processed 10 sites
```

```
resultList$results
```

##		site	ES	p-value
## 1	XP_799905.2_44	0.04298420	0.01	
## 2	XP_799905.2_58	0.03540160	0.08	
## 3	XP_799905.2_81	0.00877137	0.52	
## 4	XP_799905.2_94	0.01020880	0.65	
## 5	XP_799905.2_132	0.00940000	0.38	
## 6	XP_799905.2_147	0.01586980	0.32	
## 7	XP_799905.2_223	0.00030000	0.98	
## 8	XP_799905.2_238	0.01965170	0.06	
## 9	XP_799905.2_325	0.00170000	0.85	
## 10	XP_799905.2_535	0.01206850	0.17	

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

