Package 'gleeR'

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Title gle	e for differential protein expression
Version	0.1
Descript	on What the package does (one paragraph)
Depends	R (>= 3.2.0)
License	GPL-2
LazyDat	a true
Imports	dplyr
NeedsCo	mpilation no
Author	First Last [aut, cre]
Maintair	ner First Last <first.last@example.com></first.last@example.com>
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calcs	calculate standard deviation
Descript using	on g the log-values of xbar
Usage	
_	s(model, x)

2 fit_model

calc_stn_pval

calculate signal-to-noise and p-values

Description

using resampled distribution

Usage

```
calc_stn_pval(A, B, m, num_iter)
```

data_ok

check the spectral count data

Description

dimensions must match with specification, and all values must be positive

Usage

```
data_ok(D, nA, nB)
```

diff_exp_table

calculate diff-exp statss

Description

and return the results as a data.frame

Usage

```
diff_exp_table(stn_pval, Prot, num_digits)
```

fit_model

fit the specified model

Description

in each condition separately

Usage

```
fit_model(A, B, fit_type)
```

getPvals 3

getPvals

calculate p-values

Description

for each protein, using the generated STN distribution

Usage

```
getPvals(model_stn, iter, model_stn_dist)
```

 ${\tt getSTNdistrib}$

estimate the STN distribution

Description

```
as a dplyr data_frame
```

Usage

```
getSTNdistrib(A, nA, nB, iter, xbar0_replace, best_model)
```

model_fit_plots

plot model-fit

Description

mean-vs-stdev and signal-level

Usage

```
model_fit_plots(m, outfile)
```

stn_pval_plots

plot stn against p-value

Description

and stn for each protein

Usage

```
stn_pval_plots(stn_pval, outfile)
```

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