

Package ‘survJamda.data’

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Type Package

Title Data for Package 'survJambda'

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Description

Three breast cancer gene expression data sets that can be used for package 'survJamda'. This package contains the gene expression and phenotype data of GSE1992, GSE3143 and GSE4335.

License GPL (>= 2)

LazyLoad yes

Depends R (>= 2.10)

NeedsCompilation no

Repository CRAN

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survJamda.data-package

Three breast cancer data sets for survJamda-R package

Description

Three microarray gene expression breast cancer data sets that can be used with the survJamda package

Details

Package: survJamda.data
Type: Package
Version: 1.0
Date: 2015-05-01
License: GPL (>= 2)

Author(s)

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References

Yasrebi H, Sperisen P, Praz V, Bucher P, 2009 Can Survival Prediction Be Improved By Merging Gene Expression Data Sets?. PLoS ONE 4(10): e7431. doi:10.1371/journal.pone.0007431

See Also

[survJamda](#) ~~

gse1992

GSE1992

Description

Gene expression data of GSE1992. Probes/genes mapping was performed via the CleanEx database, release of September 2007.

Usage

`data(gse1992)`

Format

A data frame with 124 observations on the 15528 numeric variables.

Source

<http://www.ncbi.nlm.nih.gov/projects/geo/query/acc.cgi?acc=GSE1992>

References

Yasrebi H, Sperisen P, Praz V, Bucher P, 2009 Can Survival Prediction Be Improved By Merging Gene Expression Data Sets?. PLoS ONE 4(10): e7431. doi:10.1371/journal.pone.0007431

See Also

[gse1992pheno](#)

Examples

```
data(gse1992)
```

gse1992pheno

Phenotype data of GSE1992

Description

Data such as patients' information, tumor characteristics, samples information related to GSE1992

Usage

```
data("gse1992pheno")
```

Format

A data frame with 124 observations on the following 24 variables.

GEO_array_names a character vector

Array_Name a character vector

Hu_et_al.._BMC_Genomics_7.96_.27Apr2006. a character vector

intrinsic_pairs_from_Hu_et_al._2006._exact_RNA_replicates._or_cell_line_experiments
a character vector

Oh_et_al.._Journal_of_Clinical_Oncology._Apr_10_.24.11..1656.64_.2006. a character
vector

Weigelt_et_al.._Cancer_Research._65.20..9155.8_.2005.. a character vector

Perreard_et_al.._Breast_Cancer_Research._Apr_20_.8.2..R23_.2006. a character vector

Herschkowitz_et_al.._Genome_Biol._2007_May_10.8.5..R76 a character vector

Mullins_et_al._Clinical_Chemistry_.27..53.7..1273.9 a character vector

Hoadley_et_al._BMC_Genomics_8.258..2007. a character vector

Age a numeric vector

ER_.1.positive._0.negative. a numeric vector

Node_status_.1.positive.1_or_more_nodes.._0.negative. a numeric vector

Grade a numeric vector

Size_.1.._2cm._2..2cm_to..5cm._3..5cm._4.any_size_with_direct_extension_to_chest_wall_or_skin.
a numeric vector

RFS_event_.0.no_relapse.1.relapsed_at_any_site_or_died_of_disease. a numeric vector

RFS_months a numeric vector

Overall_Survival_Event_.0.alive.1.DOD_or_DOC. a numeric vector

Overall_suvival_months a numeric vector

Singe_Sample_Predictor_Subtype_.S.SSP_Subtype_assigned_according_to_Hu_et_al.._2005._except_for_clau
a character vector

Hoadley_et_al._5.class_Subtype a character vector

GEO_individual_microarray_Accession_number a character vector

Target_Source_2_.Cy5. a character vector

Target_source_1_.Cy3. a character vector

Source

<https://genome.unc.edu/pubsup/breastGEO/UNC-GEO-9-Papers-for-Website-12-23-2009.xls>

References

Yasrebi H, Sperisen P, Praz V, Bucher P, 2009 Can Survival Prediction Be Improved By Merging Gene Expression Data Sets?. PLoS ONE 4(10): e7431. doi:10.1371/journal.pone.0007431.

See Also

[gse1992](#)

Examples

```
data(gse1992pheno)
```

`gse3143`*GSE3143*

Description

Gene expression data of GSE3143. Probsets/genes mapping was performed via the CleanEx database, release of September 2007.

Usage

```
data(gse3143)
```

Format

A data frame with 158 observations on the 8659 numeric variables.

Source

<http://www.ncbi.nlm.nih.gov/projects/geo/query/acc.cgi?acc=GSE3143>

References

Yasrebi H, Sperisen P, Praz V, Bucher P, 2009 Can Survival Prediction Be Improved By Merging Gene Expression Data Sets?. PLoS ONE 4(10): e7431. doi:10.1371/journal.pone.0007431.

See Also

[gse3143pheno](#)

Examples

```
data(gse3143)
```

`gse3143pheno`*Phenotype data of GSE3143*

Description

Data such as patients' information, tumor characteristics, samples information related to GSE3143.

Usage

```
data(gse3143pheno)
```

Format

A data frame with 158 observations on the following 4 variables.

TTBNO a factor with levels KF-067 KF-069 KF-070 KF-076 KF-077 KF-079 KF-090 KF-094 KF-095
KF-097 KF-098 KF-104 KF-105 KF-106 KF-110 KF-113 KF-117 KF-120 KF-123 KF-124
KF-125 KF-126 KF-127 KF-128 KF-129 KF-130 KF-131 KF-132 KF-133 KF-134 KF-135
KF-136 KF-137 KF-138 KF-139 KF-140 KF-141 KF-142 KF-143 KF-144 KF-145 KF-146
KF-147 KF-149 KF-150 KF-151 KF-152 KF-153 KF-154 KF-155 KF-157 KF-159 KF-160
KF-176 KF-178 KF-182 KF-183 KF-184 KF-187 KF-188 KF-189 KF-193 KF-194 KF-195
KF-196 KF-200 KF-201 KF-203 KF-204 KF-207 T00-0050 T00-0064 T00-0070 T00-0109
T00-0214 T00-0454 T00-0622 T01-0047 T01-0052 T01-0145 T01-0154 T01-0156 T01-0158
T01-0166 T01-0194 T01-0202 T01-0204 T01-0255 T01-0310 T01-0344 T01-0352 T01-0356
T01-0357 T01-0366 T01-0378 T01-0384 T01-0387 T01-0407 T01-0410 T01-0428 T01-0439
T01-0452 T01-0461 T01-0463 T01-0466 T01-0468 T01-0469 T01-0472 T01-0476 T01-0495
T01-0496 T01-0502 T01-0503 T01-0514 T01-0522 T01-0534 T01-0537 T01-0569 T01-0585
T01-0591 T01-0605 T01-0618 T01-0659 T01-0748 T01-0772 T01-0838 T92-0037 T92-0058
T93-0002 T94-0071 T94-0072 T94-0074 T95-0028 T95-0031 T95-0040 T95-0074 T95-0162
T95-0168 T95-0194 T96-0085 T96-0094 T96-0127 T96-0136 T96-0159 T96-0167 T96-0195
T96-0250 T97-0017 T97-0019 T97-0043 T97-0051 T97-0071 T97-0075 T97-0080 T97-0090
T97-0094 T97-0191 T97-0281

ERlev a numeric vector

Status(0=alive,1=dead) a numeric vector

Survival_Time(months) a numeric vector

Source

<http://www.ncbi.nlm.nih.gov/projects/geo/query/acc.cgi?acc=GSE3143>

References

Yasrebi H, Sperisen P, Praz V, Bucher P, 2009 Can Survival Prediction Be Improved By Merging Gene Expression Data Sets?. PLoS ONE 4(10): e7431. doi:10.1371/journal.pone.0007431.

See Also

[gse3143](#)

Examples

```
data(gse3143pheno)
```

`gse4335`*GSE4335*

Description

Gene expression data of GSE4335. Probes/genes mapping was performed via the CleanEx database, release of September 2007.

Usage

```
data(gse4335)
```

Format

A data frame with 115 observations on the 12793 numeric variables.

Source

<http://www.ncbi.nlm.nih.gov/projects/geo/query/acc.cgi?acc=GSE4335>

References

Yasrebi H, Sperisen P, Praz V, Bucher P, 2009 Can Survival Prediction Be Improved By Merging Gene Expression Data Sets?. PLoS ONE 4(10): e7431. doi:10.1371/journal.pone.0007431

See Also

[gse4335pheno](#)

Examples

```
data(gse4335)
```

`gse4335pheno`*Phenotype data of GSE4335.*

Description

Data such as patients' information, tumor characteristics, samples information related to GSE4335.

Usage

```
data(gse4335pheno)
```

Format

A data frame with 115 observations on the following 17 variables.

Array_ID a factor with levels shac091 shac092 shac093 shac100 shac107 shac110 shac112 shac113 shaz104 shaz110 shaz112 shaz114 shaz116 shaz121 shaz124 shaz125 shaz126 shaz129 shaz131 shaz132 shaz133 shaz134 shaz135 shaz140 shbg109 shbg110 shbg128 shby020 shby021 shby022 shby028 shby033 shby035 shby037 shby038 shby039 shby040 shby041 shby042 shby043 shby046 shby049 shby050 shby051 shby236 shby245 shby249 svcc100 svcc101 svcc104 svcc105 svcc106 svcc107 svcc1077 svcc108 svcc111 svcc114 svcc115 svcc118 svcc119 svcc120 svcc122 svcc124 svcc130 svcc131 svcc132 svcc134 svcc137 svcc51 svcc53 svcc55 svcc61 svcc68 svcc76 svcc78 svcc81 svcc83 svcc84 svcc87 svcc88 svcc89 svcc92 svcc93 svcc96 svcc98 svcc99 svj104 svl002 svl003 svl006 svl007 svl012 svl015 svl016 svl018 svl020 svl022 svl026 svl027 svl029 svl031 svl033 svl034 svl035 svl036 svl037 svl039 svl041 svl103 svl106 svl108 svl109 svl110 svn007 svn015

Patient_ID a factor with levels new_york_1 New_York_2 New_York_3 Norway_06FU Norway_10 Norway_100 Norway_101 Norway_102 Norway_104 Norway_109 Norway_11 Norway_111 Norway_112 Norway_12 Norway_14 Norway_15 Norway_16 Norway_17 Norway_18 Norway_19 Norway_2 Norway_21 Norway_22 Norway_24 Norway_26 Norway_27 Norway_29 Norway_32 Norway_37 Norway_39 Norway_4 Norway_41 Norway_43 Norway_47 Norway_48 Norway_5 Norway_51 Norway_53 Norway_55 Norway_56 Norway_57 Norway_6 Norway_61 Norway_63 Norway_64 Norway_65 Norway_7 Norway_74 Norway_75 Norway_8 Norway_80 Norway_81 Norway_83 Norway_85 Norway_90 Norway_92 Norway_95 Norway_96 Norway_98 Norway_FU01 Norway_FU02 Norway_FU04 Norway_FU05 Norway_FU07 Norway_FU08 Norway_FU09 Norway_FU10 Norway_FU11 Norway_FU12 Norway_FU14 Norway_FU15 Norway_FU16 Norway_FU17 Norway_FU18 Norway_FU19 Norway_FU20 Norway_FU22 Norway_FU23 Norway_FU24 Norway_FU25 Norway_FU26 Norway_FU27 Norway_FU29 Norway_FU30 Norway_FU35 Norway_FU37 Norway_FU39 Norway_FU40 Norway_FU41 Norway_FU43 Norway_FU44 Norway_FU45 Norway_H2 Norway_H3 Norway_H4 Norway_H5 Norway_H6 Stanford_14 Stanford_16 Stanford_17 Stanford_18 Stanford_2 Stanford_23 Stanford_24 Stanford_31 Stanford_35 Stanford_38 Stanford_4 Stanford_40 Stanford_44 Stanford_45 Stanford_46 Stanford_48 Stanford_6 Stanford_A

Sample_ID a factor with levels BC102B-BE BC104A-BE BC105A-BE BC106B-BE BC107B-BE BC108A-BE BC110B-BE BC111A-BE BC111B-BE BC112B-BE BC114A-BE BC115B-BE BC116A-BE BC117A-BE BC118B-BE BC119A-BE BC120A-BE BC121B-BE BC123B-BE BC124A-BE BC1257 BC125A-BE BC1369 BC14 BC16 BC17 BC18 BC2 BC201B-BE BC205A-BE BC206A-BE BC208A-BE BC210B-AF BC213B-BE BC214B-BE BC23 BC24 BC303B-BE BC305A-BE BC307B-BE BC308B-BE BC309A-BE BC31-0 BC35-0 BC38 BC40 BC402B-BE BC404B-BE BC405A-BE BC406A-2ndTUMOR BC44 BC45 BC46-LN46 BC48-0 BC4-LN4 BC503B-BE BC6 BC601A-BE BC605B-BE BC606B-AF BC608B-BE BC610A-BE BC702B-BE BC703B-BE BC704B-AF BC706A-BE BC708B-BE BC709B-BE BC710A-BE BC711B-BE BC713A-BE BC790 BC805A-BE BC807A-BE BC808A-BE BC-A BC-HBC2 BC-HBC3 BC-HBC4-T1 BC-HBC5 BC-HBC6 FU_01-BE FU_02-BE FU_04-BE FU_05-BE FU_06-BE FU_07-BE FU_08-BE FU_09-BE FU_10-BE FU_11-BE FU_12-BE FU_14-BE FU_15-BE FU_16-BE FU_17-AF FU_18-BE FU_19-BE FU_20-BE FU_22-BE FU_23-BE FU_24-BE FU_25-BE FU_26-BE FU_27-BE FU_29-BE FU_30-AF FU_35-BE FU_37-BE FU_39-BE FU_40-BE FU_41-BE FU_43-BE FU_44-BE FU_45-BE

Age_at_diagnosis a numeric vector

X.Status_0.A._1.AWD._2.DOD._3.DOC. a numeric vector

Overall_survival_.months. a numeric vector
Relapse.free_survival_.months. a numeric vector
X._ER_status_.0.neg._1.pos.. a factor with levels 0 1 na
T_.tumor_size. a factor with levels 1 2 3 4 na
N_.node_status. a factor with levels 0 1 2 na x
M_.metastasis. a numeric vector
Grade a factor with levels 1 2 3 na
Histology a factor with levels DCIS Ductal Lobular Mucinous Papillary Pleomorph Undifferentiated
reference_sample_batch_ID_ a factor with levels CRA CRB CRD CRF CRG
Microarray_batch. .genes a factor with levels shac-23k shaz-49k shbg-49k shby-43k svcc-8k
svj-8k svl-8k svn-8k
Comments a factor
Previously_published a factor with levels no yes

Source

http://genome-www.stanford.edu/breast_cancer/robustness/data/SupplTable2.xls

References

Yasrebi H, Sperisen P, Praz V, Bucher P, 2009 Can Survival Prediction Be Improved By Merging Gene Expression Data Sets?. PLoS ONE 4(10): e7431. doi:10.1371/journal.pone.0007431

See Also

[gse4335](#)

Examples

`data(gse4335pheno)`

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