Supported_data_table

Supported Datasets

Dataset Name	Genotypes	Environment	Phenotype (label)	Label Type	Description	Supported
Baryshnikovna_2010	$6,022$	1	smf	global	growth rate	✓
Costanzo_2016_smf	$21,718$	2	smf	global	growth rate	✓
Costanzo_2016_dmf	$20,705,612$	2	smf	global	growth rate	✓
Costanzo_2016_dmi	$20,705,612$	2	dmi	edge	gene interaction	✓
Kuzmin_2018_smf	$1,539$	1	smf	global	growth rate	✓
Kuzmin_2018_dmf	$410,399$	1	dmf	global	growth rate	✓
Kuzmin_2018_tmf	$91,111$	1	tmf	global	growth rate	✓
Kuzmin_2018_dmi	$410,399$	1	dmi	edge	growth rate	✓
Kuzmin_2018_tmi	$91,111$	1	tmi	hyper edge	growth rate	✓
Kuzmin_2020_smf	480	1	smf	global	growth rate	✓
Kuzmin_2020_dmf	$256,862$	1	dmf	global	growth rate	✓
Kuzmin_2020_tmf	$537,911$	1	tmf	global	growth rate	✓
Kuzmin_2020_dmi	$256,862$	1	dmi	global	gene interaction	✓
Kuzmin_2020_tmi	$537,911$	1	tmi	hyper edge	gene interaction	✓
SGD_essential	$1,101$	1	viable	global	viability	✓
SynthLethalYeast	$1,400$	?	viable	global	viability	✓
SynthRescueYeast	$6,948$	?	viable	global	viability	✓
scmd2_2005	$4,718$	1	morphology	global	cell morphology	✓
scmd2_2018	$1,112$	1	morphology	global	cell morphology	✓
scmd2_2022	$1,982$	1	morphology	global	cell morphology	✓
ODuibhir_2014	$1,312$	1	smf	global, node	growth rate	✓
Kemmeren_2014	$1,484$	1	expr	global, node	sm microarray expression	✓
Sameith_2015	72	1	expr	global, node	dm microarray expression	✓
Zelezniak_2018	97	1	prot abund., met conc.	global, node	sm kinase deletion mutants	
Wildenhain_2015	195	$4,915$	smf	global	smf drug tolerance	
Lian_2017	$18,000$	1	AID	global	AID furfural tolderance	
FitDb	$6,000$	$1,144$	smf	global	growth rate	

- Just approximate on `Kuzmin_2020` for now
  - 537,911 dmf, dmi
  - 256,862 tmf, tmi
  - 480 smf

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Kuzmin_2018_dmf	$410,399$	1	dmf	global	growth rate	✓
Kuzmin_2018_tmf	$91,111$	1	tmf	global	growth rate	✓
Kuzmin_2018_dmi	$410,399$	1	dmi	edge	gene interaction	✓
Kuzmin_2018_tmi	$91,111$	1	tmi	hyper-edge	gene interaction	✓
Kuzmin_2020_smf	480	1	smf	global	growth rate	✓
Kuzmin_2020_dmf	$256,862$	1	dmf	global	growth rate	✓
Kuzmin_2020_tmf	$537,911$	1	tmf	global	growth rate	✓
Kuzmin_2020_dmi	$256,862$	1	dmi	global	gene interaction	✓
Kuzmin_2020_tmi	$537,911$	1	tmi	hyper-edge	gene interaction	✓
SGD_essential	$1,101$	1	viable	global	viability	✓
SynthLethalYeast	$1,400$	?	viable	global	viability	✓
SynthRescueYeast	$6,948$	?	viable	global	viability	✓
scmd2_2005	$4,718$	1	ellipse (e_1, e_2)	global	cell morphology	✓
scmd2_2018	$1,112$	1	ellipse (e_1, e_2)	global	cell morphology	✓
scmd2_2022	$1,982$	1	ellipse (e_1, e_2)	global	cell morphology	✓
ODuibhir_2014	$1,312$	1	smf	global, node	growth rate	✓
Kemmeren_2014	$1,484$	1	expr	global, node	sm microarray expression	✓
Sameith_2015	72	1	expr	global, node	dm microarray expression	✓

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Kuzmin_2018_tmf	$91,111$	1	tmf	global	growth rate	✓
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Kuzmin_2020_smf	480	1	smf	global	growth rate	✓
Kuzmin_2020_dmf	$256,862$	1	dmf	global	growth rate	✓
Kuzmin_2020_tmf	$537,911$	1	tmf	global	growth rate	✓
Kuzmin_2020_dmi	$256,862$	1	dmi	global	gene interaction	✓
Kuzmin_2020_tmi	$537,911$	1	tmi	hyper-edge	gene interaction	✓
SGD_essential	$1,101$	1	viable	global	viability	✓
SynthLethalYeast	$1,400$	?	viable	global	viability	✓