

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	in progress
Lian_2017	18,000	1	AID	global	AID furfural tolerance	✓
FitDb	6,000	1,144	smf	global	growth rate	in progress

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

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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	✓
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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	✓
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