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Independent Section

Contains tests that are independent of the class of modeled organism, a model's complexity or types of identifiers that are used to describe its components.

Consistency

Sub Total	99%	ХЗ
Unbounded Flux In Default Medium	98.6%	~
Metabolite Connectivity	100.0%	~
Charge Balance	98.6%	~
Mass Balance	98.8%	~
Stoichiometric Consistency	100.0%	X3

Annotation - Metabolites

Presence of Metabolite Annotation	68.3%	~
Metabolite Annotations Per Database	Info	~
pubchem.compound	0.0%	~
kegg.compound	56.4%	~
seed.compound	58.1%	~
inchikey	0.0%	~
inchi	0.0%	~
chebi	56.9%	~
hmdb	38.1%	~
reactome	0.0%	~
metanetx.chemical	60.4%	~
bigg.metabolite	68.3%	~
biocyc	52.0%	~
Metabolite Annotation Conformity Per Database	Info	~
pubchem.compound	0.0%	~
kegg.compound	100.0%	~
seed.compound	100.0%	~
	0.0%	~
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inchikey inchi	0.0%	
•	0.0% 100.0%	~
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inchi chebi hmdb reactome	100.0% 100.0% 0.0%	· · · · · · · · · · · · · · · · · · ·
inchi chebi hmdb reactome metanetx.chemical	100.0% 100.0% 0.0% 100.0%	· · · · · · · · · · · · · · · · · · ·

Specific Section

Covers general statistics and specific aspects of a metabolic network that are not universally applicable. See readme for more details.

SBML

SBML Level and Version	Errored	~
FBC enabled	Errored	~

Basic Information

Model Identifier	Rmarinus _578	~
Total Metabolites	871	~
Total Reactions	929	~
Total Genes	578	~
Total Compartments	3	~
Metabolic Coverage	1.61	~

Metabolite Information

Unique Metabolites	784	~
Duplicate Metabolites in Identical Compartments	0	~
Metabolites without Charge	0	~
Metabolites without Formula	0	~
Medium Components	22	~

Reaction Information

Purely Metabolic Reactions	789	~
Purely Metabolic Reactions with Constraints	1	~
Transport Reactions	92	~
Transport Reactions with Constraints	0	~
Thermodynamic Reversibility of Purely Metabolic Reactions	0.33	~
Reactions With Partially Identical Annotations	0.02	~
Duplicate Reactions	0.00	~
Reactions With Identical Genes	0.47	~

Gene-Protein-Reaction (GPR) Associations

Reactions without GPR	158	~
Fraction of Transport Reactions without GPR	0.59	~
Enzyme Complexes	70	~

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		·			
91.1%	~				
Info	~				
30.2%	~				
28.5%	~				
0.0%	~			1	
42.4%	~				
45.6%	~	Number of Missing Essential Biomass	Precursors		
0.0%	~				
81.6%	~	Energy Metabolism			
0.0%	~	Non-Growth Associated Maintenance Reaction	1	~	
30.1%	~	Growth-associated Maintenance in	true		
Info	_	Number of Reversible Oxygen-	1		
		Containing Reactions	4	~	
		Erroneous Energy-generating Cycles	Info	~	
		MNXM3	Skipped	~	
		MNXM63	Skipped	~	
		MNXM51	Skipped	~	
		MNXM121	Skipped	~	
		MNXM423	Skipped	~	
	~	MNXM6	Skipped	~	
	~	MNXM10	Skipped	~	
	~	MNXM38	Skipped	~	
100.0%	~	MNXM208	Skipped	~	
72%		MNXM191	Skipped	~	
. 270	•	MNXM223	Skipped	~	
		MNXM7517	Skipped	~	
99.8%		MNXM12233	Skipped	~	
		MNXM558	Skipped	~	
	~	MNXM21	Skipped	~	
	~	MNXM89557	Skipped	~	
	~				
	~	Network Topology			
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Python Version

Memote Version

Platform

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Relations
Rank

B40

Degrees Of Freedom

Experimental Data Comparison

Growth Prediction

Gene Essentiality Prediction

Misc. Tests

Environment

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3.6.12

Linux

0.11.1

55%

Score per Category

Total Score

Total Score

55%

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