

Building Model

p_putida.xml already exists

Basic info of the model

model has 2606 reactions

model has 1721 metabolites

model has 1716 genes

The default flux bounds are:(-1000.0, 1000.0)

Maximize

1.0*Growth - 1.0*Growth_reverse_699ae

max

objective expression 1.0*Growth - 1.0*Growth_reverse_699ae

<Solution 0.495 at 0x7fc8e4b05310>

Objective

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1.0 Growth = 0.49524025041046654

Uptake

Metabolite	Reaction	Flux	C-Number	C-Flux
M_ca2_e	R_EX_ca2_e	0.002578	0	0.00%
M_cl_e	R_EX_cl_e	0.002578	0	0.00%
M_cobalt2_e	R_EX_cobalt2_e	4.952E-05	0	0.00%
M_cu2_e	R_EX_cu2_e	0.0003511	0	0.00%
M_fe2_e	R_EX_fe2_e	0.003546	0	0.00%
M_fe3_e	R_EX_fe3_e	0.003867	0	0.00%
M_glc__D_e	R_EX_glc__D_e	10	6	100.00%
M_k_e	R_EX_k_e	0.09667	0	0.00%
M_mg2_e	R_EX_mg2_e	0.004296	0	0.00%
M_mn2_e	R_EX_mn2_e	0.0003422	0	0.00%
M_nh4_e	R_EX_nh4_e	9.158	0	0.00%
M_o2_e	R_EX_o2_e	10	0	0.00%
M_pi_e	R_EX_pi_e	0.4774	0	0.00%
M_so4_e	R_EX_so4_e	0.1241	0	0.00%
M_zn2_e	R_EX_zn2_e	0.0001689	0	0.00%

Secretion

Metabolite	Reaction	Flux	C-Number	C-Flux
M_4hbz_e	R_EX_4hbz_e	0.0001104	7	0.00%
M_co2_e	R_EX_co2_e	16.78	1	42.29%
M_h2o_e	R_EX_h2o_e	33.67	0	0.00%
M_h_e	R_EX_h_e	8.37	0	0.00%
M_leu__L_e	R_EX_leu__L_e	3.817	6	57.71%