Supplementary information (Tables S18 – S31)

Below we present the full outputs of the global sensitivity analyses on the *Saccharomyces cerevisiae* model using the random-sampling approach. The results of random sampling are presented as distributions for each sensitivity – distribution x axes show the sensitivity coefficient values, and the y axes show the frequency these values occurred during sampling. The initial sensitivity value is shown as a dashed blue line, zero is shown as a dotted purple line.

Table S18: Concentration control coefficients for *Saccharomyces cerevisiae* model with parameter variation of ±5%

	(GlucoseMixedflowtoextracellularmedium)	(Glucoseuptake)	(Hexokinase)	(Phosphoglucoisomerase)	(Phosphofructokinase)	(Aldolase)	(Triosephatemerase)	(Glyceraldehyde3-phosphatedehydrogenase)	(Phosphoenolpyruvatesynthesis)	(Pyruvatekinase)	(Pyruvatedecarboxylase)	(Alcoholdehydrogenase)	(Ethanolout)	(Ethanolflow)	(Glycerolsynthesis)	(Glycerolout)	(Glycerolflow)	(Acetaldehydeout)	(Acetaldehydeflow)	(Cyanide-Acetaldehydeflow)	(Cyanideflow)	(Storage)	(ATPconsumption)	(Adenylatekinase)
Acetaldehyde																								
Local	2.55E-02	1.10E-02	1.99E+00	8.76E-03	1.06E-01	-5.75E-15	-8.30E-02	-1.82E-01	-1.56E-02	-4.70E-02	-7.51E-15	-1.66E+00	0.00E+00	0.00E+00	2.83E-01	-5.12E-15	7.96E-15	-6.23E-02	-3.24E-01	-9.20E-02	-7.34E-03	-7.38E-02	1.26E-01	1.05E-17
Min	1.06E-02	5.16E-03	1.83E+00	7.11E-03	8.16E-02	-2.00E-14	-1.05E-01	-2.24E-01	-1.88E-02	-6.12E-02	-2.84E-14	-1.84E+00	0.00E+00	0.00E+00	2.30E-01	-7.01E-14	-4.92E-14	-7.47E-02	-3.72E-01	-1.07E-01	-1.14E-02	-8.38E-02	1.11E-01	-5.52E-17
Max	7.17E-02	2.57E-02	2.16E+00	1.08E-02	1.42E-01	1.96E-14	-6.31E-02	-1.47E-01	-1.28E-02	-3.47E-02	3.31E-14	-1.50E+00	0.00E+00	0.00E+00	3.39E-01	7.43E-14	4.85E-14	-5.08E-02	-2.75E-01	-7.69E-02	-4.68E-03	-6.49E-02	1.46E-01	6.62E-16
Normalized peak height	4.06E-03	4.35E-03	2.95E-03	3.38E-03	3.23E-03	5.47E-03	3.17E-03	3.65E-03	3.45E-03	3.63E-03	6.71E-02	2.90E-03	1.00E+00	1.00E+00	3.32E-03	5.97E-03	7.81E-03	3.32E-03	4.00E-03	3.30E-03	3.72E-03	3.80E-03	3.32E-03	3.50E-01
Peak sensitivity value	1.88E-02	9.54E-03	1.97E+00	8.55E-03	1.01E-01	7.91E-17	-8.45E-02	-1.83E-01	-1.56E-02	-4.70E-02	-2.91E-17	-1.64E+00	5.00E-04	5.00E-04	2.83E-01	1.80E-17	6.82E-17	-6.31E-02	-3.25E-01	-9.00E-02	-7.07E-03	-7.31E-02	1.27E-01	-3.49E-19
Shapiro-Wilk score	9.143E-01	9.559E-01	9.940E-01	9.939E-01	9.781E-01	9.970E-01	9.985E-01	9.997E-01	9.992E-01	9.983E-01	9.986E-01	9.945E-01	1.000E+00	1.000E+00	9.996E-01	9.985E-01	9.980E-01	9.985E-01	9.990E-01	9.989E-01	9.902E-01	9.993E-01	9.988E-01	7.952E-01
Cytosolic glucose																								
Local	2.04E+00	8.77E-01	-3.34E+00	7.30E-03	8.83E-02	4.39E-16	-2.81E-03	-6.15E-03	-5.28E-04	-1.59E-03	1.00E-15	-5.63E-02	0.00E+00	0.00E+00	9.58E-03	7.63E-16	4.37E-17	2.30E-03	1.20E-02	3.40E-03	2.71E-04	3.43E-01	2.74E-02	7.34E-18
Min	1.13E+00	6.83E-01	-5.51E+00	4.26E-03	4.70E-02	-2.14E-15	-4.62E-03	-1.04E-02	-8.80E-04	-2.82E-03	-3.30E-15	-9.62E-02	0.00E+00	0.00E+00	5.94E-03	-8.89E-15	-6.25E-15	1.42E-03	7.85E-03	2.20E-03	1.26E-04	2.47E-01	1.93E-02	-4.04E-17
Max	3.90E+00	1.15E+00	-2.23E+00	1.25E-02	1.71E-01	2.21E-15	-1.71E-03	-3.79E-03	-3.21E-04	-8.93E-04	2.62E-15	-3.36E-02	0.00E+00	0.00E+00	1.63E-02	8.78E-15	6.74E-15	3.72E-03	1.90E-02	5.18E-03	5.01E-04	5.08E-01	4.05E-02	1.65E-15
Normalized peak height	3.47E-03	3.32E-03	3.65E-03	3.87E-03	4.23E-03	6.53E-02	3.70E-03	4.10E-03	3.73E-03	3.88E-03	2.32E-02	3.50E-03	1.00E+00	1.00E+00	4.05E-03	4.70E-03	4.78E-03	3.75E-03	3.88E-03	3.77E-03	3.83E-03	3.65E-03	4.07E-03	3.50E-01
Peak sensitivity value	1.86E+00	8.74E-01	-3.16E+00	6.56E-03	8.04E-02	-5.61E-19	-2.62E-03	-5.70E-03	-4.99E-04	-1.45E-03	-4.55E-19	-5.22E-02	5.00E-04	5.00E-04	8.96E-03	2.55E-18	-2.03E-16	2.19E-03	1.10E-02	3.21E-03	2.46E-04	3.23E-01	2.69E-02	-6.04E-19
Shapiro-Wilk score	9.700E-01	9.943E-01	9.746E-01	9.832E-01	9.725E-01	9.998E-01	9.779E-01	9.794E-01	9.784E-01	9.784E-01	9.997E-01	9.701E-01	1.000E+00	1.000E+00	9.788E-01	9.994E-01	9.994E-01	9.823E-01	9.802E-01	9.822E-01	9.705E-01	9.787E-01	9.884E-01	5.752E-01
Glycerol																								
Local	2.51E-02	1.08E-02	1.96E+00	8.63E-03	1.04E-01	8.13E-15	-8.18E-02	-1.79E-01	-1.53E-02	-4.63E-02	1.53E-14	-1.64E+00	0.00E+00	0.00E+00	2.79E-01	-5.98E-01	-4.02E-01	6.70E-02	3.48E-01	9.89E-02	7.89E-03	-7.27E-02	1.24E-01	1.03E-17
Min	1.11E-02	5.11E-03	1.81E+00	6.97E-03	8.02E-02	-2.87E-14	-1.05E-01	-2.16E-01	-1.89E-02	-6.10E-02	-5.04E-14	-1.80E+00	0.00E+00	0.00E+00	2.24E-01	-6.33E-01	-4.37E-01	5.42E-02	3.04E-01	7.96E-02	5.84E-03	-8.26E-02	1.09E-01	-5.25E-17
Max	6.53E-02	2.29E-02	2.10E+00	1.07E-02	1.43E-01	3.57E-14	-6.23E-02	-1.44E-01	-1.26E-02	-3.39E-02	4.55E-14	-1.47E+00	0.00E+00	0.00E+00	3.37E-01	-5.63E-01	-3.67E-01	8.21E-02	3.91E-01	1.18E-01	1.03E-02	-6.34E-02	1.43E-01	9.36E-16
Normalized peak height	3.92E-03	4.02E-03	2.77E-03	3.47E-03	3.34E-03	5.41E-03	3.37E-03	3.44E-03	3.79E-03	3.69E-03	3.06E-02	3.00E-03	1.00E+00	1.00E+00	3.50E-03	2.72E-03	2.72E-03	3.60E-03	3.42E-03	3.52E-03	3.32E-03	3.85E-03	3.12E-03	3.49E-01
Peak sensitivity value	1.96E-02	9.63E-03	1.94E+00	8.53E-03	1.01E-01	-6.90E-17	-8.20E-02	-1.81E-01	-1.52E-02	-4.66E-02	-4.57E-17	-1.61E+00	5.00E-04	5.00E-04	2.77E-01	-5.99E-01	-4.01E-01	6.63E-02	3.52E-01	1.01E-01	7.63E-03	-7.17E-02	1.23E-01	3.54E-19
Shapiro-Wilk score	9.132E-01	9.552E-01	9.941E-01	9.941E-01	9.780E-01	9.992E-01	9.984E-01	9.997E-01	9.991E-01	9.983E-01	9.989E-01	9.948E-01	1.000E+00	1.000E+00	9.997E-01	9.975E-01	9.975E-01	9.992E-01	9.995E-01	9.999E-01	9.966E-01	9.996E-01	9.986E-01	7.056E-01
EtOH																								
Local	1.01E-02	4.37E-03	7.92E-01	2.32E-03	2.81E-02	-3.86E-16	9.18E-03	2.01E-02	1.72E-03	5.20E-03	-7.43E-17	1.84E-01	-1.45E-01	-8.55E-01	-3.13E-02	-1.03E-16	1.29E-15	-3.52E-03	-3.91E-02	-1.11E-02	-8.55E-04	-1.89E-02	5.21E-02	2.13E-18
Min	4.62E-03	2.24E-03	7.33E-01	1.93E-03	2.22E-02	-1.41E-15	6.99E-03	1.53E-02	1.27E-03	3.37E-03	-2.40E-15	1.39E-01	-1.64E-01	-8.72E-01	-4.04E-02	-5.49E-15	-4.38E-15	-9.49E-03	-4.62E-02	-1.31E-02	-1.34E-03	-2.33E-02	4.35E-02	-1.26E-17
Max	2.72E-02	9.63E-03	8.32E-01	2.89E-03	3.73E-02	1.53E-15	1.18E-02	2.58E-02	2.28E-03	7.84E-03	2.47E-15	2.41E-01	-1.28E-01	-8.36E-01	-2.37E-02	5.57E-15	4.10E-15	-5.93E-03	-3.27E-02	-9.38E-03	-5.66E-04	-1.52E-02	6.11E-02	2.03E-16
Normalized peak height	4.15E-03	4.32E-03	3.12E-03	3.49E-03	2.82E-03	1.71E-02	3.15E-03	3.49E-03	3.39E-03	4.10E-03	5.37E-02	2.94E-03	2.54E-03	2.54E-03	3.62E-03	4.74E-03	9.46E-03	3.25E-03	2.67E-03	3.24E-03	3.24E-03	3.49E-03	2.99E-03	3.47E-01
Peak sensitivity value	8.79E-03	3.97E-03	7.97E-01	2.34E-03	2.69E-02	-2.02E-17	9.17E-03	2.02E-02	1.70E-03	4.91E-03	3.52E-19	1.73E-01	-1.43E-01	-8.57E-01	-3.09E-02	2.93E-16	7.31E-18	-7.54E-03	-3.89E-02	-1.10E-02	-8.28E-04	-1.91E-02	5.33E-02	-1.62E-22
Shapiro-Wilk score	9.219E-01	9.629E-01	9.840E-01	9.979E-01	9.879E-01	9.951E-01	9.971E-01	9.981E-01	9.966E-01	9.960E-01	9.993E-01	9.876E-01	9.970E-01	9.970E-01	9.978E-01	9.985E-01	9.981E-01	9.973E-01	9.956E-01	9.972E-01	9.900E-01	9.995E-01	9.964E-01	7.986E-01
ADP																								
Local	1.29E-03	5.55E-04	1.01E-01	-2.09E-02	-2.53E-01	6.63E-16	-3.90E-03	-8.54E-03	-7.33E-04	-2.21E-03	1.57E-15	-7.81E-02	0.00E+00	0.00E+00	1.33E-02	1.09E-15	5.21E-17	3.20E-03	1.66E-02	4.72E-03	3.76E-04	1.88E-01	3.81E-02	-4.97E-17
Min	3.30E-04	1.72E-04	4.89E-02	-2.51E-02	-3.08E-01	-2.43E-15	-5.30E-03	-1.15E-02	-9.95E-04	-3.29E-03	-4.49E-15	-1.06E-01	0.00E+00	0.00E+00	9.49E-03	-1.17E-14	-7.76E-15	2.30E-03	1.32E-02	3.85E-03	2.27E-04	1.70E-01	3.21E-02	-4.13E-15
Max	5.07E-03	1.91E-03	1.72E-01	-1.77E-02	-2.12E-01	3.04E-15	-2.83E-03	-6.14E-03	-5.04E-04	-1.44E-03	4.90E-15	-5.54E-02	0.00E+00	0.00E+00	1.79E-02	1.17E-14	8.57E-15	4.24E-03	2.05E-02	5.78E-03	6.08E-04	2.06E-01	4.55E-02	1.46E-15
Normalized peak height	5.52E-03	5.25E-03	2.89E-03	3.93E-03	3.26E-03	4.04E-02	3.48E-03	3.93E-03	3.68E-03	3.69E-03	1.58E-02	3.19E-03	1.00E+00	1.00E+00	3.79E-03	4.20E-03	4.41E-03	3.93E-03	3.39E-03	3.46E-03	3.59E-03	3.48E-03	3.28E-03	3.48E-01
Peak sensitivity value	8.26E-04	3.94E-04	8.53E-02	-2.06E-02	-2.40E-01	-6.28E-19	-3.74E-03	-8.16E-03	-7.16E-04	-2.06E-03	4.47E-19	-7.31E-02	5.00E-04	5.00E-04	1.29E-02	-1.17E-16	6.05E-18	3.13E-03	1.59E-02	4.61E-03	3.72E-04	1.87E-01	3.73E-02	1.81E-18
Shapiro-Wilk score	8.814E-01	9.232E-01	9.806E-01	9.983E-01	9.842E-01	9.997E-01	9.952E-01	9.962E-01	9.950E-01	9.938E-01	9.998E-01	9.873E-01	1.000E+00	1.000E+00	9.959E-01	9.999E-01	9.999E-01	9.973E-01	9.966E-01	9.984E-01	9.887E-01	9.997E-01	9.986E-01	7.617E-01
Glyceraldehyde 3-phosphate																								
Local	2.26E-02	9.73E-03	1.76E+00	1.27E-02	1.54E-01	6.19E-15	1.56E-01	-5.55E-01	-4.76E-02	-1.41E-01	1.37E-14	-1.22E+00	0.00E+00	0.00E+00	-5.32E-01	7.05E-15	-4.91E-15	5.03E-02	2.61E-01	7.42E-02	5.92E-03	-1.10E-01	1.05E-01	1.30E-17
Min	9.95E-03	4.86E-03	1.58E+00	9.82E-03	1.15E-01	-2.49E-14	1.25E-01	-6.51E-01	-5.63E-02	-1.85E-01	-3.32E-14	-1.53E+00	0.00E+00	0.00E+00	-6.53E-01	-9.17E-14	-7.94E-14	3.80E-02	2.09E-01	5.89E-02	4.01E-03	-1.27E-01	8.83E-02	-1.18E-16
Max	6.44E-02	2.23E-02	1.99E+00	1.60E-02	2.11E-01	2.50E-14	1.92E-01	-4.60E-01	-4.06E-02	-1.09E-01	3.61E-14	-9.60E-01	0.00E+00	0.00E+00	-4.28E-01	9.89E-14	5.83E-14	6.42E-02	3.13E-01	9.29E-02	8.49E-03	-9.49E-02	1.22E-01	8.51E-16
Normalized peak height	4.29E-03	3.99E-03	2.75E-03	3.70E-03	3.80E-03	4.60E-03	3.62E-03	3.69E-03	3.47E-03	3.72E-03	5.42E-02	3.17E-03	1.00E+00	1.00E+00	3.45E-03	6.56E-03	1.74E-02	3.52E-03	3.47E-03	3.52E-03	3.47E-03	3.62E-03	3.39E-03	3.47E-01
Peak sensitivity value	1.78E-02	8.97E-03	1.72E+00	1.26E-02	1.49E-01	-1.28E-15	1.55E-01	-5.57E-01	-4.75E-02	-1.43E-01	-1.44E-17	-1.22E+00	5.00E-04	5.00E-04	-5.27E-01	5.88E-17	-1.23E-17	4.90E-02	2.59E-01	7.51E-02	5.80E-03	-1.10E-01	1.04E-01	1.91E-19
Shapiro-Wilk score	9.139E-01	9.550E-01	9.920E-01	9.956E-01	9.808E-01	9.992E-01	9.988E-01	9.995E-01	9.991E-01	9.983E-01	9.993E-01	9.955E-01	1.000E+00	1.000E+00	9.985E-01	9.998E-01	9.991E-01	9.986E-01	9.995E-01	9.991E-01	9.942E-01	9.995E-01	9.979E-01	8.135E-01
Dihydroxyacetone phosphate																								
Local	2.40E-02	1.03E-02	1.88E+00	1.23E-02	1.49E-01	5.18E-15	-2.24E-01	-4.01E-01	-4.21E-02	-1.27E-01	1.04E-14	-1.03E+00	0.00E+00	0.00E+00	-4.89E-01	6.32E-15	-3.90E-15	4.23E-02	2.20E-01	6.25E-02	4.99E-03	-1.06E-01	1.13E-01	1.39E-17
Min	1.02E-02	4.97E-03	1.70E+00	9.55E-03	1.14E-01	-2.01E-14	-2.72E-01	-5.74E-01	-4.93E-02	-1.66E-01	-2.88E-14	-1.29E+00	0.00E+00	0.00E+00	-5.90E-01	-7.55E-14	-5.69E-14	3.13E-02	1.76E-01	4.90E-02	3.30E-03	-1.24E-01	9.78E-02	-9.58E-17
Max	6.56E-02	2.29E-02	2.08E+00	1.55E-02	2.06E-01	2.04E-14	-1.79E-01	-3.98E-01	-3.54E-02	-9.41E-02	3.03E-14	-7.93E-01	0.00E+00	0.00E+00	-3.89E-01	7.60E-14	6.00E-14	5.49E-02	2.73E-01	7.89E-02	7.38E-03	-9.19E-02	1.31E-01	9.86E-16
Normalized peak height	4.28E-03	4.03E-03	2.98E-03	3.71E-03	3.43E-03	6.26E-03	2.90E-03	3.61E-03	3.46E-03	3.70E-03	3.49E-02	2.96E-03	1.00E+00	1.00E+00	3.43E-03	8.71E-03	1.82E-02	3.46E-03	3.58E-03	3.45E-03	3.60E-03	4.31E-03	3.33E-03	3.48E-01
Peak sensitivity value	1.97E-02	9.26E-03	1.86E+00	1.22E-02	1.44E-01	5.36E-17	-2.27E-01	-4.88E-01	-4.22E-02	-1.27E-01	-1.87E-17	-1.02E+00	5.00E-04	5.00E-04	-4.94E-01	2.49E-17	5.70E-17	4.17E-02	2.19E-01	6.32E-02	4.75E-03	-1.05E-01	1.12E-01	-4.57E-20
Shapiro-Wilk score	9.139E-01	9.550E-01	9.919E-01	9.950E-01	9.807E-01	9.996E-01	9.976E-01	9.997E-01	9.988E-01	9.981E-01	9.994E-01	9.955E-01	1.000E+00	1.000E+00	9.979E-01	9.996E-01	9.994E-01	9.987E-01	9.995E-01	9.990E-01	9.938E-01	9.994E-01	9.986E-01	7.646E-01
Glucose-6-Phosphate																								
Local	1.37E-02	5.88E-03	1.07E+00	-2.72E-02	-3.29E-01	-8.33E-16	5.10E-03	1.11E-02	9.57E-04	2.89E-03	-1.82E-15	1.02E-01	0.00E+00	0.00E+00	-1.74E-02	-1.37E-15	-6.86E-17	-4.17E-03	-2.17E-02	-6.16E-03	-4.92E-04	-7.52E-01	-4.97E-02	-2.72E-17
Min	5.97E-03	2.96E-03	1.02E+00	-3.24E-02	-4.37E-01	-3.58E-15	3.73E-03	8.00E-03	6.62E-04	1.73E-03	-5.09E-15	7.39E-02	0.00E+00	0.00E+00	-2.31E-02	-1.41E-14	-1.05E-14	-5.61E-03	-2.71E-02	-7.68E-03	-7.28E-04	-7.75E-01	-6.56E-02	-1.33E-15
Max	3.70E-02	1.28E-02	1.14E+00	-2.29E-02	-2.63E-01	3.68E-15	6.73E-03	1.46E-02	1.35E-03	4.50E-03	5.01E-15	1.37E-01	0.00E+00	0.00E+00	-1.22E-02	1.50E-14	1.06E-14	-2.96E-03	-1.64E-02	-4.65E-03	-3.16E-04	-7.24E-01	-3.44E-02	2.69E-16
Normalized peak height	4.03E-03	4.08E-03	2.73E-03	3.43E-03	3.12E-03	4.64E-02	3.32E-03	3.82E-03	3.77E-03	4.00E-03	1.66E-02	3.08E-03	1.00E+00	1.00E+00	3.88E-03	4.05E-03	4.46E-03	3.75E-03	3.23E-03	3.35E-03	3.15E-03	3.52E-03	3.58E-03	3.51E-01
Peak sensitivity value	1.22E-02	5.54E-03	1.06E+00	-2.66E-02	-3.12E-01	-3.26E-18	4.99E-03	1.11E-02	9.59E-04	2.76E-03	-3.91E-18	9.65E-02	5.00E-04	5.00E-04	-1.72E-02	-1.31E-16	4.75E-17	-4.21E-03	-2.13E-02	-6.14E-03	-4.75E-04	-7.51E-01	-5.18E-02	3.79E-19
Shapiro-Wilk score	9.168E-01	9.580E-01	9.810E-01	9.955E-01	9.811E-01	9.997E-01	9.977E-01	9.984E-01	9.975E-01	9.957E-01	9.998E-01	9.930E-01	1.000E+00	1.000E+00	9.983E-01	9.998E-01	9.999E-01	9.985E-01	9.988E-01	9.994E-01	9.926E-01	9.979E-01	9.987E-01	8.278E-01
NAD																								
Local	-4.87E-03	-2.10E-03	-3.80E-01	9.66E-04	1.17E-02	-3.24E-15	-8.01E-02	-1.75E-01	-1.50E-02	-4.53E-02	-6.78E-15	6.68E-01	0.00E+00	0.00E+00	2.72E-01	-3.23E-15	2.80E-15	-2.42E-02	-1.12E-01	-4.06E-02	-3.22E-03	-9.68E-03	-2.81E-02	2.92E-18
Min	-1.50E-02	-5.14E-03	-5.24E-01	2.38E-04	2.87E-03	-1.19E-14	-1.04E-01	-2.35E-01	-2.33E-02	-7.25E-02	-1.72E-14	4.92E-01	0.00E+00	0.00E+00	2.03E-01	-5.15E-14	-3.28E-14	-3.68E-02	-1.83E-01	-5.27E-02	-4.87E-03	-1.96E-02	-3.78E-02	-1.64E-17
Max	-1.84E-03	-8.97E-04	-2.74E-01	2.12E-03	2.48E-02	1.20E-14	-5.92E-02	-1.27E-01	-9.10E-03	-2.57E-02	1.62E-14	9.02E-01	0.00E+00	0.00E+00	3.59E-01	4.39E-14	3.74E-14	-1.94E-02	-1.08E-01	-3.05E-02	-2.00E-03	-2.89E-03	-1.98E-02	9.40E-17
Normalized peak height	4.66E-03	4.02E-03	2.89E-03	4.12E-03	3.62E-03	4.50E-03	3.67E-03	3.50E-03	3.54E-03	3.84E-03	1.41E-17	3.22E-03	1.00E+00	1.00E+00	3.77E-03	4.82E-03	4.36E-03	3.59E-03	3.59E-03	3.66E-03	3.37E-03	4.17E-03	3.64E-03	3.46E-01
Peak sensitivity value	-3.55E-03	-1.68E-03	-3.59E-01	9.20E-04	1.11E-02	2.46E-16	-7.77E-02	-1.76E-01	-1.45E-02	-4.37E-02	1.09E-17	6.47E-01	5.00E-04	5.00E-04	2.72E-01	6.66E-17	2.87E-17	-2.74E-02	-1.37E-01	-4.04E-02	-2.95E-03	-9.31E-03	-2.71E-02	2.68E-20
Shapiro-Wilk score	9.031E-01	9.444E-01	9.892E-01	9.951E-01	9.941E-01	9.993E-01	9.977E-01	9.968E-01	9.945E-01	9.947E-01	9.988E-01	9.942E-01	1.000E+00	1.000E+00	9.974E-01	9.994E-01	9.983E-01	9.978E-01	9.985E-01	9.984E-01	9.926E-01	9.957E-01	9.930E-01	8.710E-01
Extracellular acetaldehyde																								
Local	2.55E-02	1.10E-02	1.99E+00	8.78E-03	1.06E-01	-5.75E-15	-8.32E-02	-1.82E-01	-1.56E-02	-4.71E-02	-8.63E-15	-1.67E+00	0.00E+00	0.00E+00	2.84E-01	-5.10E-15	7.91E-15	6.82E-02	-4.25E-01	-1.21E-01	-9.52E-03	-7.59E-02	1.27E-01	1.05E-17
Min	1.12E-02	5.36E-03	1.83E+00	7.09E-03	8.15E-02	-2.04E-14	-1.07E-01	-2.22E-01	-1.89E-02	-6.29E-02	-3.30E-14	-1.85E+00	0.00E+00	0.00E+00	2.28E-01	-6.43E-14	-4.47E-14	5.47E-02	-4.79E-01	-1.38E-01	-1.48E-02	-8.34E-02	1.10E-01	-2.81E-16
Max	7.33E-02	2.57E-02	2.17E+00	1.08E-02	1.43E-01	2.06E-14	-6.42E-02	-1.43E-01	-1.29E-02	-3.45E-02	2.86E-14	-1.50E+00	0.00E+00	0.00E+00	3.41E-01	8.27E-14	4.92E-14	8.37E-02	-3.74E-01	-1.06E-01	-6.38E-03	-6.57E-02	1.45E-01	4.51E-16
Normalized peak height	4.43E-03	4.36E-03	3.04E-03	3.43E-03	3.14E-03	6.08E-03	3.17E-03	3.61E-03	3.69E-03	3.89E-03	6.82E-02	3.06E-03	1.00E+00	1.00E+00	3.41E-03	5.76E-03	1.02E-02	3.56E-03	3.64E-03	3.44E-03	3.78E-03	3.56E-03	3.26E-03	3.49E-01
Peak sensitivity value	1.94E-02	8.87E-03	1.98E+00	8.57E-03	1.01E-01	5.54E-17	-8.16E-02	-1.85E-01	-1.56E-02	-4.67E-02	-1.09E-17	-1.65E+00	5.00E-04	5.00E-04	2.86E-01	-1.54E-17	4.27E-17	8.87E-02	-4.21E-01	-1.21E-01	-9.41E-03	-7.40E-02	1.27E-01	-5.17E-20
Shapiro-Wilk score	9.138E-01	9.563E-01	9.932E-01	9.935E-01	9.791E-01	9.962E-01	9.984E-01	9.997E-01	9.990E-01	9.985E-01	9.986E-01	9.942E-01	1.000E+00	1.000E+00	9.996E-01	9.988E-01	9.991E-01	9.992E-01	9.988E-01	9.987E-01	9.906E-01	9.995E-01	9.986E-01	8.147E-01

Phosphoenolpyruvate																								
Local	1.38E-02	5.93E-03	1.08E+00	6.08E-03	7.36E-02	2.62E-15	1.11E-03	2.42E-03	2.08E-04	-1.20E+00	7.14E-14	2.22E-02	0.00E+00	0.00E+00	-3.77E-03	4.71E-15	-1.00E-15	-9.07E-04	-4.72E-03	-1.34E-03	-1.07E-04	-5.20E-02	6.64E-02	9.58E-18
Min	6.10E-03	2.92E-03	1.03E+00	5.19E-03	6.02E-02	-1.87E-14	7.93E-04	1.67E-03	1.46E-04	-1.23E+00	-2.26E-13	1.62E-02	0.00E+00	0.00E+00	-5.23E-03	-1.86E-14	-8.81E-15	-1.21E-03	-6.08E-03	-1.69E-03	-1.77E-04	-5.60E-02	5.75E-02	-1.91E-16
Max	3.58E-02	1.24E-02	1.10E+00	7.13E-03	9.37E-02	1.70E-14	1.52E-03	3.29E-03	2.86E-04	-1.18E+00	1.90E-13	3.18E-02	0.00E+00	0.00E+00	-2.72E-03	1.50E-14	9.18E-15	-6.75E-04	-3.73E-03	-1.05E-03	-6.66E-05	-4.80E-02	7.57E-02	9.07E-16
Normalized peak height	3.95E-03	4.00E-03	3.78E-03	3.47E-03	3.10E-03	9.92E-03	3.70E-03	4.12E-03	3.55E-03	2.67E-03	1.79E-01	3.07E-03	1.00E+00	1.00E+00	3.83E-03	4.69E-03	5.04E-03	3.47E-03	3.48E-03	3.52E-03	3.50E-03	3.38E-03	2.93E-03	3.48E-01
Peak sensitivity value	1.04E-02	5.51E-03	1.07E+00	6.03E-03	7.11E-02	5.04E-17	1.07E-03	2.40E-03	1.99E-04	-1.20E+00	2.27E-18	2.18E-02	5.00E-04	5.00E-04	-3.69E-03	6.22E-17	-3.28E-18	-9.00E-04	-4.62E-03	-1.31E-03	-1.01E-04	-5.21E-02	6.76E-02	-3.92E-19
Shapiro-Wilk score	9.198E-01	9.619E-01	9.978E-01	9.971E-01	9.809E-01	9.989E-01	9.941E-01	9.949E-01	9.941E-01	9.901E-01	9.589E-01	9.854E-01	1.000E+00	1.000E+00	9.946E-01	9.995E-01	9.996E-01	9.962E-01	9.948E-01	9.969E-01	9.870E-01	9.994E-01	9.980E-01	7.566E-01

Fructose-6-Phosphate																								
Local	1.24E-02	5.33E-03	9.67E-01	8.44E-02	-3.38E-01	-8.95E-16	5.90E-03	1.29E-02	1.11E-03	3.34E-03	-2.13E-15	1.18E-01	0.00E+00	0.00E+00	-2.01E-02	-1.59E-15	-7.98E-17	-4.83E-03	-2.51E-02	-7.13E-03	-5.69E-04	-7.58E-01	-5.75E-02	-2.80E-17
Min	5.43E-03	2.60E-03	9.15E-01	7.28E-02	-4.53E-01	-4.21E-15	4.38E-03	9.53E-03	7.90E-04	2.11E-03	-6.15E-15	8.67E-02	0.00E+00	0.00E+00	-2.69E-02	-1.67E-14	-1.17E-14	-6.47E-03	-3.10E-02	-8.82E-03	-8.47E-04	-7.83E-01	-7.38E-02	-1.27E-15
Max	3.27E-02	1.18E-02	1.04E+00	9.67E-02	-2.62E-01	4.15E-15	7.77E-03	1.67E-02	1.55E-03	4.85E-03	5.83E-15	1.58E-01	0.00E+00	0.00E+00	-1.47E-02	1.60E-14	1.37E-14	-3.58E-03	-1.97E-02	-5.46E-03	-3.63E-04	-7.29E-01	-4.23E-02	5.32E-16
Normalized peak height	4.11E-03	4.37E-03	2.69E-03	3.34E-03	3.03E-03	4.64E-02	3.53E-03	3.61E-03	3.54E-03	3.58E-03	1.83E-02	3.08E-03	1.00E+00	1.00E+00	3.63E-03	3.84E-03	4.69E-03	3.53E-03	3.46E-03	3.48E-03	3.39E-03	3.49E-03	3.48E-03	3.53E-01
Peak sensitivity value	9.75E-03	4.60E-03	9.59E-01	8.34E-02	-3.29E-01	-1.02E-18	5.80E-03	1.30E-02	1.08E-03	3.23E-03	-2.60E-18	1.16E-01	5.00E-04	5.00E-04	-1.97E-02	7.00E-16	-9.13E-18	-4.82E-03	-2.50E-02	-7.05E-03	-5.26E-04	-7.58E-01	-5.80E-02	4.06E-19
Shapiro-Wilk score	9.178E-01	9.587E-01	9.849E-01	9.969E-01	9.817E-01	9.998E-01	9.974E-01	9.980E-01	9.971E-01	9.957E-01	9.999E-01	9.925E-01	1.000E+00	1.000E+00	9.978E-01	9.999E-01	9.999E-01	9.979E-01	9.983E-01	9.990E-01	9.929E-01	9.979E-01	9.991E-01	7.892E-01

Extracellular cyanide																								
Local	-1.89E-03	-8.11E-04	-1.47E-01	-6.48E-04	-7.85E-03	4.27E-16	6.15E-03	1.34E-02	1.15E-03	3.48E-03	6.32E-16	1.23E-01	0.00E+00	0.00E+00	-2.09E-02	3.60E-16	-5.96E-16	-5.03E-03	3.14E-02	-6.50E-02	7.46E-02	5.46E-03	-9.35E-03	-7.74E-19
Min	-6.20E-03	-2.06E-03	-2.01E-01	-9.88E-04	-1.30E-02	-1.55E-15	4.24E-03	9.53E-03	7.63E-04	2.23E-03	-1.94E-15	8.75E-02	0.00E+00	0.00E+00	-2.82E-02	-5.11E-15	-3.84E-15	-6.63E-03	2.21E-02	-8.44E-02	5.65E-02	3.89E-03	-1.27E-02	-3.94E-17
Max	-6.58E-04	-3.34E-04	-1.05E-01	-4.16E-04	-4.82E-03	1.40E-15	8.60E-03	1.80E-02	1.61E-03	5.35E-03	2.22E-15	1.68E-01	0.00E+00	0.00E+00	-1.47E-02	5.68E-15	3.50E-15	-3.80E-03	4.54E-02	-4.99E-02	9.84E-02	7.46E-03	-6.40E-03	8.58E-18
Normalized peak height	5.05E-03	4.22E-03	3.30E-03	3.32E-03	3.53E-03	6.80E-03	3.68E-03	3.40E-03	3.60E-03	3.98E-03	6.67E-02	2.88E-03	1.00E+00	1.00E+00	3.68E-03	5.42E-03	1.02E-02	3.48E-03	3.38E-03	3.10E-03	3.15E-03	3.23E-03	3.43E-03	3.52E-01
Peak sensitivity value	-1.43E-03	-6.82E-04	-1.38E-01	-5.87E-04	-7.21E-03	3.57E-18	5.89E-03	1.29E-02	1.10E-03	3.27E-03	4.37E-19	1.16E-01	5.00E-04	5.00E-04	-2.07E-02	6.15E-18	2.44E-18	-4.94E-03	2.90E-02	-6.26E-02	7.22E-02	5.20E-03	-8.75E-03	1.81E-20
Shapiro-Wilk score	9.037E-01	9.444E-01	9.902E-01	9.848E-01	9.739E-01	9.967E-01	9.942E-01	9.957E-01	9.949E-01	9.931E-01	9.986E-01	9.887E-01	1.000E+00	1.000E+00	9.951E-01	9.987E-01	9.985E-01	9.972E-01	9.896E-01	9.935E-01	9.932E-01	9.932E-01	9.945E-01	8.101E-01

Pyruvate																								
Local	9.01E-01	3.88E-01	7.04E+01	2.28E-01	2.76E+00	-6.96E-13	1.07E-02	8.91E-02	7.64E-03	2.31E-02	-7.79E+01	8.15E-01	0.00E+00	0.00E+00	-1.39E-01	-5.18E-14	1.49E-13	-3.34E-02	-1.73E-01	-4.93E-02	-3.93E-03	-1.87E+00	4.59E+00	2.26E-16
Min	5.57E-02	2.88E-02	8.58E+00	2.52E-02	2.95E-01	-3.55E-11	3.82E-03	8.29E-03	7.38E-04	2.11E-03	-4.19E+04	7.76E-02	0.00E+00	0.00E+00	-7.27E+01	-3.72E-11	-3.58E-11	-1.71E+01	-9.10E+01	-2.66E+01	-2.08E+00	-9.90E+02	5.55E-01	-5.94E-14
Max	7.40E+02	2.51E+02	3.80E+04	1.20E+02	1.53E+03	8.99E-12	2.15E+01	4.68E+01	4.04E+00	1.25E+01	-9.47E+00	4.33E+02	0.00E+00	0.00E+00	-1.35E-02	3.57E-11	6.60E-11	-3.35E-03	-1.77E-02	-5.18E-03	-3.34E-04	-2.31E-01	2.38E+03	2.79E-13
Normalized peak height	7.95E-01	7.48E-01	7.30E-01	7.16E-01	7.25E-01	6.89E-01	7.08E-01	7.06E-01	7.09E-01	7.15E-01	7.28E-01	7.09E-01	1.00E+00	1.00E+00	7.07E-01	4.47E-01	7.26E-01	7.02E-01	7.09E-01	7.19E-01	7.02E-01	7.24E-01	7.17E-01	7.53E-01
Peak sensitivity value	4.26E-01	1.54E-01	2.76E+01	8.55E-02	1.06E+00	-1.07E-14	1.46E-02	3.17E-02	2.76E-03	8.37E-03	-3.04E+01	2.94E-01	5.00E-04	5.00E-04	-4.98E-02	2.05E-14	-5.86E-15	-1.19E-02	-6.32E-02	-1.85E-02	-1.38E-03	-7.26E-01	1.74E+00	-6.67E-17
Shapiro-Wilk score	5.297E-02	5.479E-02	5.875E-02	5.881E-02	5.624E-02	6.071E-02	5.920E-02	5.980E-02	5.949E-02	5.962E-02	5.871E-02	6.024E-02	1.000E+00	1.000E+00	5.972E-02	1.447E-01	8.033E-02	5.930E-02	5.984E-02	5.791E-02	5.996E-02	5.875E-02	6.083E-02	5.052E-02

Extracellular ethanol																								
Local	1.01E-02	4.37E-03	7.92E-01	2.32E-03	2.81E-02	-3.81E-16	9.18E-03	2.01E-02	1.72E-03	5.20E-03	-1.74E-16	1.84E-01	-3.41E-16	-1.00E+00	-3.13E-02	-1.73E-16	1.29E-15	-7.52E-03	-3.91E-02	-1.11E-02	-8.85E-04	-1.89E-02	5.21E-02	2.13E-18
Min	4.64E-03	2.17E-03	7.36E-01	1.91E-03	2.18E-02	-1.31E-15	6.90E-03	1.50E-02	1.23E-03	3.53E-03	-2.62E-15	1.39E-01	-5.35E-16	-1.00E+00	-4.13E-02	-5.61E-15	-4.51E-15	-9.40E-03	-4.69E-02	-1.30E-02	-1.30E-03	-2.31E-02	4.26E-02	-5.89E-17
Max	2.74E-02	9.35E-03	8.33E-01	2.81E-03	3.76E-02	1.56E-15	1.19E-02	2.62E-02	2.30E-03	7.42E-03	2.55E-15	2.42E-01	5.36E-16	-1.00E+00	-2.36E-02	5.42E-15	3.48E-15	-5.85E-03	-3.24E-02	-9.38E-03	-5.57E-04	-1.48E-02	6.12E-02	1.65E-16
Normalized peak height	4.01E-03	4.05E-03	3.05E-03	3.31E-03	3.00E-03	1.83E-02	3.28E-03	3.91E-03	3.56E-03	3.93E-03	6.03E-02	2.73E-03	6.49E-01	1.00E+00	3.80E-03	4.75E-03	8.81E-03	3.21E-03	3.20E-03	2.88E-03	3.13E-03	3.45E-03	3.18E-03	3.49E-01
Peak sensitivity value	7.67E-03	4.14E-03	7.99E-01	2.31E-03	2.77E-02	-7.25E-19	9.16E-03	1.96E-02	1.69E-03	5.06E-03	6.32E-19	1.81E-01	9.87E-20	-1.00E+00	-3.14E-02	-8.38E-18	7.89E-18	-7.43E-03	-3.88E-02	-1.09E-02	-8.63E-04	-1.93E-02	5.36E-02	-4.31E-21
Shapiro-Wilk score	9.212E-01	9.635E-01	9.841E-01	9.981E-01	9.884E-01	9.954E-01	9.966E-01	9.977E-01	9.964E-01	9.955E-01	9.992E-01	9.873E-01	8.089E-01	1.000E+00	9.974E-01	9.989E-01	9.985E-01	9.973E-01	9.955E-01	9.969E-01	9.905E-01	9.991E-01	9.962E-01	7.843E-01

Extracellular glycerol																								
Local	2.51E-02	1.08E-02	1.96E+00	8.63E-03	1.04E-01	8.14E-15	-8.18E-02	-1.79E-01	-1.53E-02	-4.63E-02	1.49E-14	-1.64E+00	0.00E+00	0.00E+00	2.79E-01	9.72E-15	-1.00E+00	6.70E-02	3.48E-01	9.89E-02	7.89E-03	-7.27E-02	1.24E-01	1.03E-17
Min	1.12E-02	5.54E-03	1.81E+00	6.97E-03	8.08E-02	-3.26E-14	-1.04E-01	-2.19E-01	-1.87E-02	-6.00E-02	-4.89E-14	-1.81E+00	0.00E+00	0.00E+00	2.23E-01	-1.20E-13	-1.00E+00	5.30E-02	2.99E-01	8.11E-02	5.83E-03	-8.27E-02	1.08E-01	-5.41E-17
Max	6.92E-02	2.37E-02	2.12E+00	1.08E-02	1.42E-01	3.09E-14	-6.16E-02	-1.41E-01	-1.25E-02	-3.34E-02	5.30E-14	-1.48E+00	0.00E+00	0.00E+00	3.32E-01	1.27E-13	-1.00E+00	8.18E-02	3.93E-01	1.18E-01	1.03E-02	-6.41E-02	1.42E-01	7.93E-16
Normalized peak height	4.06E-03	3.91E-03	2.93E-03	3.61E-03	3.35E-03	4.69E-03	3.28E-03	3.73E-03	3.65E-03	3.71E-03	3.69E-02	2.96E-03	1.00E+00	1.00E+00	3.55E-03	7.39E-03	1.00E+00	3.68E-03	3.68E-03	3.55E-03	3.28E-03	3.76E-03	3.53E-03	3.48E-01
Peak sensitivity value	2.01E-02	9.15E-03	1.94E+00	8.51E-03	9.95E-02	-2.31E-19	-8.09E-02	-1.78E-01	-1.54E-02	-4.57E-02	2.64E-17	-1.61E+00	5.00E-04	5.00E-04	2.81E-01	1.24E-16	-1.00E+00	6.67E-02	3.48E-01	9.97E-02	7.74E-03	-7.25E-02	1.24E-01	-2.81E-19
Shapiro-Wilk score	9.161E-01	9.576E-01	9.940E-01	9.939E-01	9.790E-01	9.993E-01	9.983E-01	9.996E-01	9.992E-01	9.984E-01	9.988E-01	9.946E-01	1.000E+00	1.000E+00	9.996E-01	9.997E-01	1.000E+00	9.993E-01	9.997E-01	9.998E-01	9.970E-01	9.995E-01	9.987E-01	7.630E-01

Extracellular glucose																								
Local	2.57E+00	-1.40E-02	-2.53E+00	-3.55E-03	-4.30E-02	8.97E-17	-5.98E-04	-1.31E-03	-1.12E-04	-3.38E-04	2.12E-16	-1.20E-02	0.00E+00	0.00E+00	2.04E-03	1.65E-16	1.51E-17	4.89E-04	2.54E-03	7.23E-04	5.76E-05	2.55E-02	5.83E-03	-3.53E-18
Min	1.87E+00	-4.19E-02	-3.78E+00	-6.60E-03	-8.80E-02	-4.48E-16	-1.23E-03	-2.77E-03	-2.24E-04	-7.06E-04	-6.28E-16	-2.58E-02	0.00E+00	0.00E+00	1.10E-03	-2.35E-15	-1.75E-15	2.56E-04	1.42E-03	4.08E-04	2.49E-05	1.69E-02	3.61E-03	-1.74E-16
Max	3.85E+00	-5.64E-03	-1.84E+00	-2.09E-03	-2.38E-02	5.27E-16	-3.07E-04	-6.47E-04	-5.89E-05	-1.64E-04	6.93E-16	-6.04E-03	0.00E+00	0.00E+00	4.22E-03	2.71E-15	1.94E-15	1.01E-03	5.10E-03	1.38E-03	1.40E-04	4.09E-02	1.02E-02	2.01E-17
Normalized peak height	2.85E-03	4.57E-03	2.80E-03	3.65E-03	3.68E-03	6.01E-02	3.87E-03	4.03E-03	3.60E-03	3.92E-03	2.17E-02	3.85E-03	1.00E+00	1.00E+00	4.07E-03	6.23E-03	6.25E-03	3.92E-03	4.00E-03	3.83E-03	4.62E-03	3.35E-03	3.45E-03	3.47E-01
Peak sensitivity value	2.37E+00	-1.04E-02	-2.43E+00	-3.19E-03	-3.73E-02	-1.23E-19	-5.21E-04	-1.15E-03	-9.83E-05	-3.11E-04	3.00E-19	-1.03E-02	5.00E-04	5.00E-04	1.78E-03	-5.78E-18	5.02E-18	4.49E-04	2.32E-03	6.06E-04	4.89E-05	2.32E-02	5.35E-03	1.23E-20
Shapiro-Wilk score	9.682E-01	9.203E-01	9.692E-01	9.550E-01	9.460E-01	9.990E-01	9.573E-01	9.582E-01	9.569E-01	9.561E-01	9.984E-01	9.483E-01	1.000E+00	1.000E+00	9.578E-01	9.970E-01	9.976E-01	9.606E-01	9.585E-01	9.608E-01	9.473E-01	9.789E-01	9.675E-01	8.363E-01

1-3-Bisphosphoglycerate																								
Local	1.07E-02	4.61E-03	8.37E-01	4.44E-02	5.38E-01	5.30E-16	8.28E-03	1.81E-02	-2.84E-01	-8.56E-01	3.50E-14	1.66E-01	0.00E+00	0.00E+00	-2.82E-02	6.06E-16	-4.86E-16	-6.78E-03	-3.52E-02	-1.00E-02	-7.98E-04	-3.98E-01	-7.28E-03	7.56E-17
Min	5.03E-03	2.45E-03	6.69E-01	3.80E-02	4.55E-01	-9.24E-15	5.79E-03	1.24E-02	-3.26E-01	-9.16E-01	-8.88E-14	1.20E-01	0.00E+00	0.00E+00	-3.83E-02	-2.92E-14	-1.84E-14	-9.06E-03	-4.43E-02	-1.24E-02	-1.29E-03	-4.13E-01	-1.87E-02	-1.55E-15
Max	2.70E-02	9.34E-03	9.51E-01	5.06E-02	6.66E-01	1.02E-14	1.11E-02	2.44E-02	-2.45E-01	-7.93E-01	8.99E-14	2.30E-01	0.00E+00	0.00E+00	-1.93E-02	2.40E-14	1.87E-14	-5.04E-03	-2.75E-02	-8.05E-03	-4.87E-04	-3.84E-01	8.74E-04	1.61E-14
Normalized peak height	3.96E-03	3.88E-03	3.13E-03	3.36E-03	2.96E-03	3.54E-02	3.61E-03	3.88E-03	3.19E-03	2.91E-03	8.51E-03	3.11E-03	1.00E+00	1.00E+00	3.93E-03	3.98E-03	4.16E-03	3.76E-03	3.41E-03	3.55E-03	3.58E-03	3.46E-03	3.39E-03	3.48E-01
Peak sensitivity value	8.69E-03	4.37E-03	8.53E-01	4.36E-02	5.30E-01	9.59E-18	8.05E-03	1.76E-02	-2.84E-01	-8.51E-01	8.54E-17	1.66E-01	5.00E-04	5.00E-04	-2.77E-02	1.44E-15	1.25E-15	-6.73E-03	-3.37E-02	-9.76E-03	-7.89E-04	-3.98E-01	-5.81E-03	8.35E-18
Shapiro-Wilk score	9.318E-01	9.726E-01	9.789E-01	9.972E-01	9.790E-01	9.998E-01	9.937E-01	9.948E-01	9.980E-01	9.971E-01	9.973E-01	9.853E-01	1.000E+00	1.000E+00	9.946E-01	9.998E-01	9.999E-01	9.959E-01	9.950E-01	9.965E-01	9.866E-01	9.994E-01	9.899E-01	5.969E-01

Fructose 1-6-bisphosphate																								
Local	4.60E-02	1.98E-02	3.59E+00	2.43E-02	2.94E-01	-9.76E-02	-8.09E-02	-1.00E+00	-8.59E-02	-2.59E-01	2.20E-14	-2.18E+00	0.00E+00	0.00E+00	-9.76E-01	1.28E-14	-8.40E-15	8.90E-02	4.63E-01	1.31E-01	1.05E-02	-2.10E-01	2.16E-01	3.37E-17
Min	1.95E-02	9.16E-03	3.23E+00	1.94E-02	2.22E-01	-1.23E-01	-1.50E-01	-1.17E+00	-1.03E-01	-3.33E-01	-6.72E-14	-2.71E+00	0.00E+00	0.00E+00	-1.20E+00	-1.85E-13	-1.11E-13	6.39E-02	3.65E-01	1.02E-01	7.11E-03	-2.41E-01	1.87E-01	-1.70E-16
Max	1.23E-01	4.57E-02	3.99E+00	3.04E-02	3.93E-01	-7.89E-02	-1.25E-02	-8.32E-01	-7.25E-02	-1.97E-01	6.37E-14	-1.69E+00	0.00E+00	0.00E+00	-7.68E-01	1.64E-13	1.22E-13	1.14E-01	5.59E-01	1.64E-01	1.50E-02	-1.84E-01	2.50E-01	1.78E-15
Normalized peak height	4.45E-03	4.42E-03	2.97E-03	3.58E-03	3.20E-03	3.58E-03	3.33E-03	3.45E-03	4.00E-03	3.57E-03	3.64E-02	3.02E-03	1.00E+00	1.00E+00	3.33E-03	8.82E-03	2.17E-02	3.72E-03	3.55E-03	3.65E-03	3.27E-03	3.50E-03	3.03E-03	3.49E-01
Peak sensitivity value	3.70E-02	1.71E-02	3.52E+00	2.36E-02	2.84E-01	-9.81E-02	-7.92E-02	-9.99E-01	-8.64E-02	-2.55E-01	3.74E-17	-2.13E+00	5.00E-04	5.00E-04	-9.66E-01	-9.46E-17	4.58E-17	8.95E-02	4.58E-01	1.32E-01	1.01E-02	-2.09E-01	2.11E-01	5.90E-19
Shapiro-Wilk score	9.134E-01	9.551E-01	9.918E-01	9.955E-01	9.811E-01	9.984E-01	9.992E-01	9.997E-01	9.992E-01	9.984E-01	9.994E-01	9.948E-01	1.000E+00	1.000E+00	9.979E-01	9.996E-01	9.995E-01	9.987E-01	9.994E-01	9.990E-01	9.937E-01	9.994E-01	9.980E-01	7.967E-01

AMP																								
Local	4.17E-03	1.79E-03	3.25E-01	-6.74E-02	-8.16E-01	2.40E-15	-1.26E-02	-2.76E-02	-2.37E-03	-7.14E-03	6.43E-15	-2.52E-01	0.00E+00	0.00E+00	4.30E-02	3.70E-15	2.03E-16	1.03E-02	5.37E-02	1.52E-02	1.22E-03	6.08E-01	1.23E-01	6.38E-17
Min	1.07E-03	5.53E-04	1.60E-01	-7.81E-02	-1.00E+00	-9.40E-15	-1.73E-02	-3.82E-02	-3.33E-03	-1.02E-02	-1.41E-14	-3.49E-01	0.00E+00	0.00E+00	3.14E-02	-3.80E-14	-2.61E-14	7.76E-03	4.32E-02	1.24E-02	7.59E-04	5.94E-01	1.08E-01	-3.15E-16
Max	1.76E-02	5.93E-03	5.86E-01	-5.90E-02	-6.97E-01	8.97E-15	-9.07E-03	-2.00E-02	-1.71E-03	-4.55E-03	1.47E-14	-1.87E-01	0.00E+00	0.00E+00	5.89E-02	3.72E-14	2.38E-14	1.34E-02	6.63E-02	1.85E-02	1.90E-03	6.22E-01	1.41E-01	2.75E-15
Normalized peak height	5.59E-03	4.65E-03	3.07E-03	3.82E-03	2.74E-03	5.57E-02	3.50E-03	4.15E-03	3.65E-03	3.75E-03	1.78E-02	2.95E-03	1.00E+00	1.00E+00	3.84E-03	4.42E-03	3.95E-03	3.29E-03	3.37E-03	3.29E-03	3.12E-03	3.34E-03	3.12E-03	3.52E-01
Peak sensitivity value	2.35E-03	1.37E-03	2.77E-01	-6.59E-02	-7.86E-01	-2.82E-18	-1.24E-02	-2.67E-02	-2.23E-03	-6.79E-03	1.19E-17	-2.36E-01	5.00E-04	5.00E-04	4.13E-02	-3.53E-16	-3.72E-16	1.01E-02	5.38E-02	1.51E-02	1.11E-03	6.09E-01	1.22E-01	-4.04E-19
Shapiro-Wilk score	8.817E-01	9.219E-01	9.791E-01	9.969E-01	9.781E-01	9.996E-01	9.939E-01	9.949E-01	9.940E-01	9.938E-01	9.999E-01	9.854E-01	1.000E+00	1.000E+00	9.945E-01	9.997E-01	1.000E+00	9.964E-01	9.947E-01	9.965E-01	9.874E-01	9.989E-01	9.971E-01	8.264E-01

ATP																								
Local	-1.59E-03	-6.83E-04	-1.24E-01	2.57E-02	3.11E-01	-8.56E-16	4.80E-03	1.05E-02	9.01E-04	2.72E-03	-2.17E-15	9.61E-02	0.00E+00	0.00E+00	-1.64E-02	-1.37E-15	-6.97E-17	-3.93E-03	-2.04E-02	-5.81E-03	-4.63E-04	-2.32E-01	-4.68E-02	2.55E-17
Min	-6.79E-03	-2.34E-03	-2.33E-01	2.17E-02	2.44E-01	-3.28E-15	3.32E-03	7.29E-03	6.19E-04	1.77E-03	-5.48E-15	6.77E-02	0.00E+00	0.00E+00	-2.31E-02	-1.70E-14	-1.25E-14	-5.49E-03	-2.75E-02	-7.73E-03	-7.94E-04	-2.60E-01	-5.54E-02	-1.37E-16
Max	-3.84E-04	-1.91E-04	-5.98E-02	3.04E-02	4.15E-01	3.89E-15	6.94E-03	1.53E-02	1.30E-03	4.10E-03	6.15E-15	1.40E-01	0.00E+00	0.00E+00	-1.14E-02	1.58E-14	9.24E-15	-2.85E-03	-1.57E-02	-4.45E-03	-2.75E-04	-2.10E-01	-4.08E-02	1.37E-15
Normalized peak height	5.69E-03	4.66E-03	3.30E-03	3.00E-03	3.00E-03	5.64E-02	3.56E-03	3.89E-03	3.70E-03	3.63E-03	1.77E-02	3.05E-03	1.00E+00	1.00E+00	3.58E-03	4.78E-03	4.73E-03	3.43E-03	3.33E-03	3.60E-03	3.65E-03	3.36E-03	3.05E-03	3.48E-01
Peak sensitivity value	-9.63E-04	-4.35E-04	-1.12E-01	2.54E-02	3.05E-01	-1.81E-18	4.56E-03	1.04E-02	8.75E-04	2.55E-03	5.41E-18	8.90E-02	5.00E-04	5.00E-04	-1.59E-02	6.03E-16	-4.87E-17	-3.77E-03	-2.00E-02	-5.62E-03	-4.32E-04	-2.29E-01	-4.71E-02	-7.50E-19
Shapiro-Wilk score	8.777E-01	9.174E-01	9.754E-01	9.949E-01	9.814E-01	9.996E-01	9.905E-01	9.915E-01	9.907E-01	9.907E-01	9.997E-01	9.831E-01	1.000E+00	1.000E+00	9.910E-01	9.996E-01	9.998E-01	9.935E-01	9.918E-01	9.939E-01	9.839E-01	9.977E-01	9.956E-01	8.000E-01

NADH																								
Local	9.35E-03	4.03E-03	7.30E-01	-1.86E-03	-2.25E-02	6.21E-15	1.54E-01	3.36E-01	2.88E-02	8.69E-02	1.30E-14	-1.28E+00	0.00E+00	0.00E+00	-5.23E-01	6.20E-15	-5.37E-15	5.25E-02	2.73E-01	7.75E-02	6.18E-03	1.86E-02	5.39E-02	-5.02E-18
Min	3.87E-03	1.88E-03	5.98E-01	-3.30E-03	-3.93E-02	-2.48E-14	1.29E-01	2.96E-01	2.33E-02	6.56E-02	-3.63E-14	-1.39E+00	0.00E+00	0.00E+00	-5.61E-01	-8.39E-14	-7.59E-14	4.14E-02	2.32E-01	6.18E-02	4.64E-03	7.73E-03	4.41E-02	-4.06E-16
Max	2.71E-02	8.91E-03	8.65E-01	-6.22E-04	-7.68E-03	2.45E-14	1.84E-01	3.75E-01	3.52E-02	1.14E-01	4.02E-14	-1.18E+00	0.00E+00	0.00E+00	-4.82E-01	9.34E-14	5.94E-14	6.50E-02	3.12E-01	9.47E-02	7.82E-03	3.23E-02	6.33E-02	7.69E-17
Normalized peak height	4.31E-03	4.01E-03	3.59E-03	3.86E-03	3.74E-03	4.44E-03	3.34E-03	3.89E-03	3.62E-03	3.67E-03	7.56E-02	3.44E-03	1.00E+00	1.00E+00	3.72E-03	4.59E-03	1.35E-02	3.57E-03	3.22E-03	3.52E-03	3.36E-03	3.74E-03	3.54E-03	3.49E-01
Peak sensitivity value	7.67E-03	3.58E-03	7.13E-01	-1.77E-03	-2.16E-02	-6.90E-16	1.54E-01	3.35E-01	2.88E-02	8.58E-02	9.61E-19	-1.27E+00	5.00E-04	5.00E-04	-5.25E-01	7.59E-16	1.82E-16	5.21E-02	2.75E-01	7.79E-02	6.02E-03	1.91E-02	5.36E-02	-1.27E-19
Shapiro-Wilk score	9.113E-01	9.530E-01	9.982E-01	9.996E-01	9.996E-01	9.986E-01	9.987E-01	9.999E-01	9.994E-01	9.987E-01	9.972E-01	9.991E-01	1.000E+00	1.000E+00	9.992E-01	9.997E-01	9.979E-01	9.994E-01	9.972E-01	9.992E-01	9.972E-01	9.996E-01	9.991E-01	7.649E-01

Table S19: Concentration control coefficients for *Saccharomyces cerevisiae* model with parameter variation of ±10%

	(GluceMixedflowtoextracellularmedium)	(Gluceseptake)	(Hexokinase)	(Phosphoglucoisomerase)	(Phosphofructokinase)	(Aldolase)	(Triosephosphateisomerase)	(Glyceraldehyde3-phosphatedehydrogenase)	(Phosphoenolpyruvatesynthesis)	(Pyruvatekinase)	(Pyruvatedecarboxylase)	(Alcoholdehydrogenase)	(Ethanolout)	(Ethanolflow)	(Glycerolsynthesis)	(Glycerolout)	(Glycerolflow)	(Acetaldehydeout)	(Acetaldehydeflow)	(Cyanide-Acetaldehydeflow)	(Cyanideflow)	(Storage)	(ATPconsumption)	(Adenylatekinase)
Acetaldehyde																								
Local	2.55E-02	1.10E-02	1.99E+00	8.76E-03	1.06E-01	-5.75E-15	-8.30E-02	-1.82E-01	-1.36E-02	-4.70E-02	-7.51E-15	-1.66E+00	0.00E+00	0.00E+00	2.83E-01	-5.12E-15	7.96E-15	-6.23E-02	-3.24E-01	-9.20E-02	-7.34E-03	-7.38E-02	1.26E-01	1.95E-17
Min	5.46E-03	2.89E-03	1.65E+00	5.79E-03	6.51E-02	-2.56E-14	-1.29E-01	-2.56E-01	-2.22E-02	-7.99E-02	-4.12E-14	-2.01E+00	-1.86E-15	-1.60E-15	1.79E-01	-8.77E-14	-6.11E-14	-9.16E-02	-4.27E-01	-1.23E-01	-1.73E-02	-9.58E-02	9.45E-02	-6.16E-17
Max	2.73E-01	6.72E-02	2.32E+00	1.33E-02	2.12E-01	2.75E-14	-4.62E-02	-1.11E-01	-1.05E-02	-2.51E-02	4.80E-14	-1.34E+00	1.93E-15	1.50E-15	3.96E-01	7.50E-14	6.48E-14	-4.01E-02	-2.31E-01	-6.22E-02	-2.97E-03	-4.30E-02	1.66E-01	9.14E-16
Normalized peak height	1.26E-02	8.30E-03	3.01E-03	3.95E-03	4.07E-03	8.02E-03	3.17E-03	3.39E-03	3.53E-03	3.86E-03	6.35E-02	3.01E-03	9.23E-01	9.30E-01	3.35E-03	6.28E-03	1.68E-02	3.59E-03	3.59E-03	3.32E-03	4.20E-03	5.18E-03	3.26E-03	3.44E-01
Peak sensitivity value	1.36E-02	7.62E-03	1.90E+00	8.08E-03	9.47E-02	4.18E-16	-8.14E-02	-1.81E-01	-1.50E-02	-4.47E-02	-1.35E-17	-1.62E+00	1.63E-18	-1.02E-18	2.85E-01	8.56E-17	2.20E-17	-6.11E-02	-3.21E-01	-9.20E-02	-6.20E-03	-7.24E-02	1.24E-01	3.07E-19
Shapiro-Wilk score	7.011E-01	8.398E-01	9.895E-01	9.841E-01	9.384E-01	9.823E-01	9.963E-01	9.990E-01	9.970E-01	9.935E-01	9.908E-01	9.913E-01	2.954E-01	2.808E-01	9.995E-01	9.973E-01	9.963E-01	9.953E-01	9.971E-01	9.976E-01	9.695E-01	9.981E-01	9.975E-01	7.659E-01
Cytosolic glucose																								
Local	2.04E+00	8.77E-01	-3.34E+00	7.30E-03	8.83E-02	4.39E-16	-2.81E-03	-6.15E-03	-5.28E-04	-1.59E-03	1.00E-15	-5.63E-02	0.00E+00	0.00E+00	9.58E-03	7.63E-16	4.37E-17	2.30E-03	1.20E-02	3.40E-03	2.71E-04	3.43E-01	2.74E-02	7.34E-18
Min	6.41E-01	5.43E-01	-1.04E+01	4.90E-04	5.95E-03	-2.76E-15	-9.15E-03	-1.93E-02	-1.70E-03	-5.24E-03	-7.05E-15	-2.05E-01	-3.45E-16	-3.59E-16	3.59E-03	-1.52E-14	-1.30E-14	9.76E-04	5.33E-03	1.54E-03	7.98E-05	1.73E-01	1.41E-02	-5.55E-17
Max	8.70E-+00	1.90E+00	-1.50E+00	2.19E-02	3.38E-01	3.14E-15	-9.86E-04	-2.36E-03	-1.80E-03	-4.96E-04	5.91E-15	-2.11E-02	4.04E-16	2.93E-16	3.00E-02	1.24E-14	8.53E-15	6.76E-03	3.38E-02	8.90E-03	1.05E-03	8.43E-01	6.51E-02	2.76E-16
Normalized peak height	5.41E-03	4.62E-03	5.10E-03	5.66E-03	6.36E-03	7.19E-02	5.91E-03	5.57E-03	5.57E-03	5.08E-03	2.42E-02	5.55E-03	9.22E-01	9.27E-01	5.30E-03	7.08E-03	8.01E-03	5.21E-03	4.89E-03	4.83E-03	5.35E-03	4.60E-03	4.83E-03	3.42E-01
Peak sensitivity value	1.47E+00	8.16E-01	-2.78E+00	6.31E-03	6.39E-02	6.91E-19	-2.35E-03	-5.46E-03	-4.58E-04	-1.17E-03	-6.08E-18	-4.54E-02	1.96E-20	-4.61E-20	7.56E-03	2.00E-17	2.54E-17	2.03E-03	1.13E-02	3.00E-03	1.97E-04	3.14E-01	2.51E-02	1.22E-19
Shapiro-Wilk score	8.955E-01	9.703E-01	9.169E-01	9.535E-01	9.151E-01	9.907E-01	9.335E-01	9.353E-01	9.343E-01	9.315E-01	9.821E-01	9.147E-01	2.859E-01	2.779E-01	9.345E-01	9.904E-01	9.889E-01	9.399E-01	9.379E-01	9.445E-01	9.110E-01	9.444E-01	9.551E-01	8.757E-01
Glycerol																								
Local	2.31E-02	1.08E-02	1.96E+00	8.63E-03	1.04E-01	8.13E-15	-8.18E-02	-1.79E-01	-1.33E-02	-4.63E-02	1.53E-14	-1.64E+00	0.00E+00	0.00E+00	2.79E-01	-9.98E-01	-4.02E-01	6.70E-02	3.48E-01	9.89E-02	7.89E-03	-7.27E-02	1.24E-01	1.03E-17
Min	4.94E-03	2.82E-03	1.60E+00	5.65E-03	6.46E-02	-4.61E-14	-1.27E-01	-2.57E-01	-2.16E-02	-7.83E-02	-7.50E-14	-2.00E+00	-2.37E-15	-1.91E-15	1.72E-01	-6.65E-01	-4.74E-01	4.12E-02	2.53E-01	6.59E-02	4.20E-03	-9.50E-02	9.01E-02	-6.31E-17
Max	2.99E-01	7.71E-02	2.28E+00	1.30E-02	2.05E-01	4.19E-14	-4.61E-02	-1.08E-01	-9.68E-03	-2.44E-02	3.61E-14	-1.33E+00	1.94E-15	1.87E-15	3.92E-01	-5.26E-01	-3.35E-01	1.00E-01	4.34E-01	1.42E-01	1.26E-02	-4.05E-02	1.60E-01	9.92E-16
Normalized peak height	1.38E-02	9.23E-03	3.29E-03	3.74E-03	3.90E-03	7.08E-03	3.07E-03	3.50E-03	3.72E-03	3.70E-03	3.61E-02	3.00E-03	9.24E-01	9.29E-01	3.34E-03	2.73E-03	2.73E-03	3.67E-03	3.67E-03	3.83E-03	3.25E-03	5.38E-03	3.38E-03	3.43E-01
Peak sensitivity value	1.30E-02	7.31E-03	1.89E+00	8.19E-03	9.98E-02	-1.10E-17	-8.04E-02	-1.84E-01	-1.46E-02	-4.37E-02	-2.25E-18	-1.60E+00	-5.13E-19	1.52E-18	2.78E-01	-5.93E-01	-4.07E-01	6.86E-02	3.50E-01	1.03E-01	7.27E-03	-7.35E-02	1.23E-01	-3.02E-19
Shapiro-Wilk score	6.947E-01	8.376E-01	9.902E-01	9.862E-01	9.385E-01	9.905E-01	9.966E-01	9.995E-01	9.968E-01	9.934E-01	9.921E-01	9.916E-01	2.871E-01	2.802E-01	9.995E-01	9.970E-01	9.970E-01	9.979E-01	9.994E-01	9.993E-01	9.909E-01	9.983E-01	9.979E-01	8.007E-01
EtOH																								
Local	1.01E-02	4.37E-03	7.92E-01	2.32E-03	2.81E-02	-3.86E-16	9.18E-03	2.01E-02	1.72E-03	5.20E-03	-7.43E-17	1.84E-01	-1.45E-01	-8.55E-01	-3.13E-02	-1.63E-16	1.29E-15	-7.52E-03	-3.91E-02	-1.11E-02	-8.85E-04	-1.89E-02	5.21E-02	2.13E-18
Min	2.40E-03	1.23E-03	6.27E-01	1.56E-03	1.74E-02	-1.76E-15	4.65E-03	1.01E-02	9.09E-04	2.20E-03	-3.52E-15	1.05E-01	-1.84E-01	-8.88E-01	-5.38E-02	-7.04E-15	-4.70E-15	-1.23E-02	-5.58E-02	-1.51E-02	-2.01E-03	-2.84E-02	3.47E-02	-1.20E-17
Max	1.06E-01	2.56E-02	8.64E-01	3.50E-03	5.34E-02	2.14E-15	1.51E-02	3.33E-02	3.09E-03	1.03E-02	3.40E-15	3.07E-01	-1.12E-01	-8.16E-01	-1.60E-02	7.87E-15	4.55E-15	-4.50E-03	-2.68E-02	-7.84E-03	-3.45E-04	-6.36E-03	7.08E-02	1.89E-16
Normalized peak height	1.25E-02	8.10E-03	3.60E-03	3.62E-03	3.91E-03	2.01E-02	3.71E-03	4.21E-03	3.73E-03	3.92E-03	6.42E-02	2.69E-03	2.58E-03	2.58E-03	4.00E-03	5.86E-03	9.18E-03	3.57E-03	2.92E-03	2.90E-03	3.51E-03	4.61E-03	3.12E-03	3.44E-01
Peak sensitivity value	4.84E-03	3.49E-03	8.09E-01	2.27E-03	2.61E-02	2.40E-19	8.59E-03	1.90E-02	1.60E-03	4.69E-03	-6.48E-19	1.70E-01	-1.44E-01	-8.56E-01	-3.12E-02	5.00E-18	-5.59E-18	-7.61E-03	-3.80E-02	-1.08E-02	-8.49E-04	-1.96E-02	5.49E-02	-6.43E-20
Shapiro-Wilk score	7.160E-01	8.611E-01	9.561E-01	9.928E-01	9.605E-01	9.825E-01	9.910E-01	9.923E-01	9.888E-01	9.847E-01	9.978E-01	9.745E-01	9.955E-01	9.955E-01	9.915E-01	9.973E-01	9.946E-01	9.932E-01	9.926E-01	9.951E-01	9.709E-01	9.981E-01	9.972E-01	7.562E-01
ADP																								
Local	1.29E-03	5.88E-04	1.01E-01	-2.00E-02	-2.55E-01	6.63E-16	-3.90E-03	-8.54E-03	-7.33E-04	-2.21E-03	1.57E-15	-7.81E-02	0.00E+00	0.00E+00	1.33E-02	1.09E-15	5.21E-17	3.20E-03	1.66E-02	4.72E-03	3.76E-04	1.88E-01	3.81E-02	-4.97E-17
Min	5.87E-05	3.33E-05	1.14E-02	-2.79E-02	-4.00E-01	-3.60E-15	-6.91E-03	-1.54E-02	-1.36E-03	-4.59E-03	-6.68E-15	-1.49E-01	-5.29E-16	-5.71E-16	6.37E-03	-1.42E-14	-9.14E-15	1.82E-03	1.06E-02	3.00E-03	1.32E-04	1.45E-01	2.62E-02	-4.76E-15
Max	2.66E-02	6.57E-03	3.10E-01	-1.47E-02	-1.81E-01	3.60E-15	-1.89E-03	-4.46E-03	-3.52E-04	-9.16E-04	6.40E-15	-4.22E-02	4.77E-16	4.42E-16	2.35E-02	1.37E-14	1.06E-14	5.37E-03	2.48E-02	6.81E-03	8.87E-04	2.22E-01	5.38E-02	2.69E-16
Normalized peak height	2.33E-02	1.25E-02	3.85E-03	3.57E-03	3.89E-03	5.00E-02	3.82E-03	4.00E-03	3.85E-03	3.95E-03	3.48E-03	9.24E-01	9.33E-01	2.58E-03	4.04E-03	5.12E-03	5.87E-03	3.66E-03	3.30E-03	3.39E-03	3.96E-03	3.57E-03	3.60E-03	3.44E-01
Peak sensitivity value	4.69E-04	2.26E-04	6.54E-02	-2.03E-02	-2.38E-01	-2.12E-18	-3.44E-03	-8.23E-03	-6.46E-04	-1.88E-03	-4.01E-18	-6.79E-02	3.02E-19	-4.59E-19	1.22E-02	-3.99E-16	-6.58E-18	3.09E-03	1.60E-02	4.59E-03	3.15E-04	1.88E-01	3.76E-02	-4.30E-19
Shapiro-Wilk score	6.220E-01	7.569E-01	9.599E-01	9.954E-01	9.612E-01	9.963E-01	9.868E-01	9.894E-01	9.857E-01	9.812E-01	9.941E-01	9.700E-01	2.877E-01	2.794E-01	9.884E-01	9.978E-01	9.973E-01	9.905E-01	9.916E-01	9.953E-01	9.662E-01	9.997E-01	9.972E-01	7.703E-01
Glyceraldehyde 3-phosphate																								
Local	1.26E-02	9.73E-03	1.76E+00	1.27E-02	1.53E-01	6.19E-15	1.56E-01	-3.55E-01	-4.20E-02	-1.14E-01	1.37E-14	-1.23E+00	0.00E+00	0.00E+00	-3.32E-01	7.05E-15	-4.91E-15	5.03E-02	2.61E-01	7.42E-02	5.92E-03	-1.10E-01	1.05E-01	1.80E-17
Min	4.67E-03	2.50E-03	1.44E+00	8.07E-03	9.33E-02	-2.65E-14	9.31E-02	-7.45E-01	-6.58E-02	-2.23E-01	-4.54E-14	-1.89E+00	-1.46E-15	-1.68E-15	-7.90E-01	-1.26E-13	-7.81E-14	2.85E-02	1.63E-01	4.55E-02	2.63E-03	-1.46E-01	7.47E-02	-9.90E-17
Max	2.80E-01	6.31E-02	2.22E+00	1.95E-02	3.04E-01	2.99E-14	2.36E-01	-3.63E-01	-3.36E-02	-7.90E-02	4.38E-14	-7.26E-01	1.63E-15	1.64E-15	-3.24E-01	1.08E-13	8.36E-14	8.32E-02	3.67E-01	1.12E-01	1.25E-02	-8.16E-02	1.45E-01	1.53E-15
Normalized peak height	1.50E-02	8.45E-03	2.97E-03	3.79E-03	4.10E-03	6.10E-03	3.83E-03	3.43E-03	3.43E-03	3.38E-03	5.25E-02	3.31E-03	9.23E-01	9.30E-01	3.87E-03	8.58E-03	2.23E-02	3.92E-03	3.61E-03	3.60E-03	3.94E-03	3.79E-03	3.61E-03	3.43E-01
Peak sensitivity value	1.14E-02	6.95E-03	1.70E+00	1.22E-02	1.35E-01	6.35E-16	1.49E-01	-5.57E-01	-4.61E-02	-1.42E-01	-3.21E-17	-1.19E+00	-8.15E-19	7.51E-19	-5.23E-01	-9.38E-17	-4.82E-17	4.87E-02	2.64E-01	7.35E-02	5.32E-03	-1.09E-01	1.03E-01	-4.26E-19
Shapiro-Wilk score	6.927E-01	8.409E-01	9.828E-01	9.892E-01	9.489E-01	9.924E-01	9.971E-01	9.995E-01	9.977E-01	9.944E-01	9.954E-01	9.901E-01	2.887E-01	2.798E-01	9.968E-01	9.962E-01	9.950E-01	9.954E-01	9.988E-01	9.973E-01	9.826E-01	9.982E-01	9.958E-01	8.040E-01
Dihydroxyacetone phosphate																								
Local	2.40E-02	1.03E-02	1.88E+00	1.23E-02	1.49E-01	5.18E-15	-2.24E-01	-4.97E-01	-4.21E-02	-1.27E-01	1.04E-14	-1.03E+00	0.00E+00	0.00E+00	-4.89E-01	6.32E-15	-3.90E-15	4.23E-02	2.20E-01	6.25E-02	4.99E-03	-1.06E-01	1.13E-01	1.69E-17
Min	5.21E-03	2.75E-03	1.56E+00	7.72E-03	8.81E-02	-2.92E-14	-3.25E-01	-6.59E-01	-5.79E-02	-2.13E-01	-4.66E-14	-1.59E+00	-1.82E-15	-1.49E-15	-7.10E-01	-1.03E-13	-6.75E-14	2.10E-02	1.28E-01	3.75E-02	2.11E-03	-1.37E-01	8.53E-02	-1.13E-16
Max	3.90E-01	1.03E-01	2.31E+00	2.00E-02	2.92E-01	2.71E-14	-1.35E-01	-3.22E-01	-2.95E-02	-6.91E-02	3.87E-14	-5.64E-01	2.24E-15	1.57E-15	-2.96E-01	1.03E-13	3.39E-14	7.09E-02	3.33E-01	9.48E-02	9.89E-03	-6.90E-02	1.50E-01	1.59E-15
Normalized peak height	1.90E-02	1.29E-02	3.14E-03	3.98E-03	4.42E-03	7.13E-03	3.20E-03	3.50E-03	3.46E-03	3.88E-03	3.77E-02	3.20E-03	9.24E-01	9.32E-01	3.20E-03	9.28E-03	3.05E-02	3.82E-03	3.77E-03	3.63E-03	3.55E-03	4.18E-03	3.21E-03	3.47E-01
Peak sensitivity value	1.08E-02	7.73E-03	1.77E+00	1.13E-02	1.37E-01	3.95E-16	-2.29E-01	-4.90E-01	-4.07E-02	-1.28E-01	-1.35E-17	-1.05E+00	-7.21E-19	1.09E-18	-4.79E-01	-9.74E-17	3.84E-17	4.04E-02	2.15E-01	6.22E-02	4.40E-03	-1.07E-01	1.13E-01	-1.36E-19
Shapiro-Wilk score	6.983E-01	8.372E-01	9.829E-01	9.884E-01	9.446E-01	9.935E-01	9.969E-01	9.996E-01	9.978E-01	9.940E-01	9.952E-01	9.893E-01	2.841E-01	2.743E-01	9.947E-01	9.969E-01	9.957E-01	9.944E-01	9.979E-01	9.970E-01	9.818E-01	9.985E-01	9.968E-01	7.606E-01
Glucose-6-Phosphate																								
Local	1.37E-02	5.88E-03	1.07E+00	-2.72E-02	-3.29E-01	-8.33E-16	5.10E-03	1.11E-02	9.57E-04	2.89E-03	-1.82E-15	1.02E-01	0.00E+00	0.00E+00	-1.74E-02	-1.37E-15	-6.86E-17	-4.17E-03	-2.17E-02	-6.16E-03	-4.92E-04	-7.52E-01	-4.97E-02	-2.72E-17
Min	3.06E-03	1.62E-03	8.90E-01	-4.05E-02	-6.70E-01	-4.22E-15	2.24E-03	5.36E-03	3.91E-04	9.97E-04	-7.68E-15	4.81E-02	-7.26E-16	-7.26E-16	-3.13E-02	-1.91E-14	-1.74E-14	-7.39E-03	-3.29E-02	-9.50E-03	-1.13E-03	-7.89E-01	-8.18E-02	-9.74E-16
Max	1.50E-01	3.58E-02	1.34E+00	-1.95E-02	-2.18E-01	6.31E-15	8.59E-03	1.86E-02	1.80E-03	6.31E-03	7.04E-15	1.76E-01	7.24E-16	7.12E-16	-7.78E-03	1.76E-14	1.41E-14	-1.80E-03	-1.04E-02	-2.74E-03	-1.87E-04	-6.79E-01	-1.82E-02	8.23E-16
Normalized peak height	1.39E-02	8.49E-03	6.01E-03	3.81E-03	4.21E-03	5.59E-02	3.47E-03	3.80E-03	4.05E-03	3.90E-03	2.36E-02	3.35E-03	9.28E-01	9.41E-01	3.76E-03	5.18E-03	6.30E-03	4.10E-03	3.60E-03	3.83E-03	3.72E-03	3.72E-03	3.63E-03	3.43E-01
Peak sensitivity value	7.25E-03	3.96E-03	1.04E+00	-2.61E-02	-2.90E-01	-4.13E-18	4.92E-03	1.09E-02	8.53E-04	2.69E-03	-4.64E-18	9.44E-02	-5.78E-19	-3.49E-19	-1.63E-02	-2.65E-16	3.19E-17	-3.82E-03	-2.16E-02	-5.93E-03	-4.47E-04	-7.54E-01	-5.21E-02	-5.69E-19
Shapiro-Wilk score	6.903E-01	8.346E-01	9.581E-01	9.892E-01	9.424E-01	9.960E-01	9.943E-01	9.954E-01	9.905E-01	9.840E-01	9.966E-01	9.829E-01	2.793E-01	2.732E-01	9.945E-01	9.981E-01	9.968E-01	9.960E-01	9.989E-01	9.998E-01	9.742E-01	9.918E-01	9.987E-01	8.820E-01
NAD																								
Local	-4.87E-03	-2.10E-03	-3.80E+01	9.66E-04	1.17E-02	-3.24E-15	-8.00E-02	-1.79E-01	-1.50E-02	-4.53E-02	-6.78E-15	6.68E-01	0.00E+00	0.00E+00	2.72E-01	-3.23E-15	2.80E-15	-2.74E-02	-1.42E-01	-4.03E-02	-3.22E-03	-9.68E-03	-2.81E-02	2.62E-18
Min	-7.01E-02	-1.79E-02	-7.04E+01	-3.67E-04	-5.70E-03	-1.55E-14	-1.33E-01	-3.21E-01	-3.39E-02	-1.04E-01	-2.58E-14	3.65E-01	-7.15E-16	-6.07E-16	1.49E-01	-6.36E-14	-4.22E-14	-5.03E-02	-2.54E-01	-6.83E-02	-7.59E-03	-3.00E-02	-5.19E-02	-1.98E-17
Max	-7.35E-04	-4.08E-04	-2.00E-01	3.67E-03	4.67E-02	1.60E-14	-4.36E-02	-9.09E-02	-5.32E-03	-1.35E-02	2.64E-14	1.14E+00	6.32E-16	5.65E-16	4.66E-01	5.78E-14	4.44E-14	-1.34E-02	-8.09E-02	-2.15E-02	-1.27E-03	1.16E-03	-1.47E-02	1.26E-16
Normalized peak height	1.70E-02	1.09E-02	3.10E-03	4.58E-03	5.07E-03	7.03E-03	3.48E-03	3.75E-03	3.97E-03	3.91E-03	7.02E-02	3.25E-03	9.22E-01	9.29E-01	3.28E-03	6.65E-03	1.62E-02	3.97E-03	4.02E-03	3.91E-03	4.08E-03	4.02E-03	3.19E-03	3.44E-01
Peak sensitivity value	-2.30E-03	-1.35E-03	-3.36E-01	7.87E-04	8.69E-03	-9.19E-17	-7.55E-02	-1.64E-01	-1.37E-02	-4.08E-02	-1.02E-17	6.23E-01	5.51E-19	-3.89E-19	2.54E-01	4.43E-17	3.00E-17	-2.60E-02	-1.36E-01	-3.96E-02	-3.05E-03	-9.54E-03	-2.57E-02	-6.70E-20
Shapiro-Wilk score	6.755E-01	8.165E-01	9.760E-01	9.812E-01	9.770E-01	9.917E-01	9.936E-01	9.887E-01	9.796E-01	9.802E-01	9.957E-01	9.853E-01	2.926E-01	2.857E-01	9.922E-01	9.949E-01	9.917E-01	9.917E-01	9.947E-01	9.932E-01	9.763E-01	9.829E-01	9.830E-01	8.582E-01
Extracellular acetaldehyde																								
Local	2.55E-02	1.10E-02	1.99E+00	8.78E-03	1.06E-01	-5.73E-15	-8.32E-02	-1.82E-01	-1.50E-02	-4.71E-02	-8.63E-15	-1.67E+00	0.00E+00	0.00E+00	2.84E-01	-5.10E-15	7.94E-15	6.82E-02	-4.25E-01	-1.21E-01	-9.62E-03	-7.39E-02	1.27E-01	1.05E-17
Min	5.48E-03	2.77E-03	1.68E+00	5.67E-03	6.18E-02	-2.98E-14	-1.32E-01	-2.58E-01	-2.26E-02	-8.05E-02	-4.46E-14	-2.04E+00	-2.06E-15	-1.52E-15	1.69E-01	-9.00E-14	-5.84E-14	4.38E-02	-5.27E-01	-1.55E-01	-2.08E-02	-9.65E-02	9.28E-02	-6.45E-17
Max	2.77E-01	8.80E-02	2.36E+00	1.32E-02	2.20E-01	2.56E-14	-4.59E-02	-1.09E-01	-1.03E-02	-2.60E-02	4.15E-14	-1.34E+00	1.87E-15	1.81E-15	3.93E-01	9.64E-14	5.35E-14	9.98E-02	-3.28E-01	-9.15E-02	-4.17E-03	-3.81E-02	1.66E-01	7.06E-16
Normalized peak height	1.27E-02	1.04E-02	3.14E-03	3.65E-03	3.90E-03	8.46E-03	3.39E-03	3.76E-03	3.76E-03	3.82E-03	3.30E-02	3.23E-03	9.23E-01	9.30E-01	3.44E-03	1.01E-02	1.01E-02	3.37E-03	3.60E-03	3.31E-03	3.87E-03	5.55E-03	3.37E-03	3.42E-01
Peak sensitivity value	1.24E-02	7.68E-03	1.95E+00	8.37E-03	9.39E-02	1.38E-17	-7.82E-02	-1.86E-01	-1.53E-02	-4.57E-02	2.37E-17	-1.65E+00	1.19E-18	-6.53E-19	2.75E-01	1.15E-16	3.34E-17	7.03E-02	-4.11E-01	-1.18E-01	-8.50E-03	-7.38E-02	1.27E-01	-1.73E-19
Shapiro-Wilk score	6.966E-01	8.404E-01	9.894E-01	9.843E-01	9.370E-01	9.843E-01	9.967E-01	9.993E-01	9.967E-01	9.937E-01	9.908E-01	9.912E-01	2.889E-01	2.863E-01	9.996E-01	9.957E-01	9.945E-01	9.980E-01	9.977E-01	9.980E-01	9.733E-01	9.983E-01	9.976E-01	8.073E-01
Phosphoenolpyruvate																								
Local	1.38E-02	3.93E-03	1.08E+00	6.08E-03	7.36E-02	2.62E-15	1.11E-03	2.42E-03	2.08E-04	-1.20E+00	7.14E-14	2.22E-02	0.00E+00	0.00E+00	-3.77E-03	4.71E-15	-1.00E-15	-9.03E-04	-4.72E-03	-1.34E-03	-3.20E-02	6.64E-02	9.38E-18
Min	3.08E-03	1.64E-03	8.47E-01	4.46E-03	5.11E-02	-2.28E-14	5.84E-04	1.28E-03	1.07E-04	-1.26E+00	-2.46E-13	1.16E-02	-8.96E-16	-7.40E-16	-6.97E-03	-1.81E-14	-1.09E-14	-1.60E-03	-7.86E-03	-2.17E-03	-2.68E-04	-6.10E-02	4.86E-02	-9.95E-17
Max	1.59E-01	3.95E-02	1.13E+00	8.44E-03	1.31E-01	2.27E-14	2.14E-03	4.41E-03	4.26E-04	-1.16E+00	2.59E-13	4.68E-02	7.90E-16	7.79E-16	-1.99E-03	1.88E-14	1.24E-14	-5.20E-04	-2.95E-03	-8.27E-04	-3.96E-05	-3.65E-02	8.72E-02	5.64E-16
Normalized peak height	1.39E-02	8.58E-03	6.70E-03	3.65E-03	3.86E-03	2.09E-02	4.01E-03	4.01E-03	4.01E-03	2.46E-03	4.47E-17	2.03E-02	9.25E-01	9.34E-01	3.90E-03	4.93E-03	5.73E-03	3.72E-03	3.85E-03	3.97E-03	4.05E-03	4.79E-03	3.27E-03	3.44E-01
Peak sensitivity value	7.22E-03	4.68E-03	1.07E+00	5.78E-03	6.81E-02	5.65E-18	1.03E-03	2.24E-03	1.86E-04	-1.20E+00	4.47E-17	2.03E-02	-2.36E-19	4.08E-19	-3.54E-03	3.26E-16	8.73E-18	-8.66E-04	-4.61E-03	-1.30E-03	-8.96E-05	-5.24E-02	6.78E-02	-3.10E-19
Shapiro-Wilk score	7.127E-01	8.584E-01	9.594E-01	9.925E-01	9.450E-01	9.970E-01	9.826E-01	9.836E-01	9.810E-01	9.863E-01	9.663E-01	9.626E-01	2.790E-01	2.588E-01	9.829E-01	9.971E-01	9.970E-01	9.864E-01	9.848E-01	9.897E-01	9.596E-01	9.962E-01	9.983E-01	8.717E-01

Fructose-6-Phosphate																							
Local	1.24E-02	5.33E-03	9.67E-01	8.44E-02	-3.38E-01	-8.95E-16	5.90E-03	1.29E-02	1.11E-03	3.54E-03	-2.13E-15	1.18E-01	0.00E+00	0.00E+00	-2.01E-02	-1.59E-15	-7.98E-17	-4.83E-03	-2.51E-02	-7.13E-03	-5.69E-04	-7.58E-01	-5.75E-02	-2.80E-17
Min	2.58E-03	1.31E-03	7.99E-01	6.40E-02	-6.95E-01	-5.28E-15	2.87E-03	6.67E-03	5.29E-04	1.31E-03	-1.19E-14	6.03E-02	-8.88E-16	-7.63E-16	-3.39E-02	-2.12E-14	-1.97E-14	-7.98E-03	-3.69E-02	-1.06E-02	-1.26E-03	-7.97E-01	-8.99E-02	-1.03E-14
Max	1.27E-01	3.19E-02	1.19E+00	1.11E-01	-2.22E-01	4.86E-15	1.02E-02	2.13E-02	2.13E-03	8.15E-03	9.41E-15	2.03E-01	8.48E-16	7.54E-16	-1.02E-02	2.30E-14	1.92E-14	-2.09E-03	-1.32E-02	-3.75E-03	-2.16E-04	-6.93E-01	-2.49E-02	1.33E-15
Normalized peak height	1.28E-02	7.84E-03	4.83E-03	3.56E-03	4.37E-03	6.04E-02	3.90E-03	3.55E-03	3.78E-03	4.57E-03	2.26E-02	3.22E-03	9.28E-01	9.40E-01	3.58E-03	5.16E-03	7.04E-03	3.71E-03	3.47E-03	3.40E-03	3.60E-03	3.69E-03	3.47E-03	3.45E-01
Peak sensitivity value	6.74E-03	3.86E-03	9.45E-01	8.14E-02	-3.13E-01	-3.44E-18	5.42E-03	1.19E-02	1.01E-03	3.17E-03	8.98E-18	1.10E-01	-4.23E-20	3.36E-19	-1.96E-02	-5.62E-16	4.13E-17	-4.69E-03	-2.52E-02	-7.06E-03	-4.50E-04	-7.57E-01	-5.69E-02	3.19E-18
Shapiro-Wilk score	6.958E-01	8.385E-01	9.737E-01	9.940E-01	9.433E-01	9.958E-01	9.935E-01	9.950E-01	9.900E-01	9.831E-01	9.952E-01	9.815E-01	2.823E-01	2.690E-01	9.937E-01	9.976E-01	9.978E-01	9.943E-01	9.975E-01	9.992E-01	9.739E-01	9.913E-01	9.993E-01	3.718E-01
Extracellular cyanide																							
Local	-1.89E-03	-8.11E-04	-1.47E-01	-6.48E-04	-7.85E-03	4.27E-16	6.15E-03	1.34E-02	1.19E-03	3.48E-03	6.32E-16	1.23E-01	0.00E+00	0.00E+00	-2.09E-02	3.66E-16	-5.96E-16	-5.03E-03	3.14E-02	-6.50E-02	7.46E-02	5.46E-03	-9.35E-03	-7.74E-19
Min	-2.58E-02	-6.80E-03	-2.80E-01	-1.55E-03	-2.31E-02	-1.86E-15	3.10E-03	6.41E-03	5.28E-04	1.39E-03	-2.96E-15	6.10E-02	-1.15E-16	-1.02E-16	-3.75E-02	-7.25E-15	-4.97E-15	-8.04E-03	1.51E-02	-1.10E-01	4.08E-02	2.65E-03	-1.71E-02	-4.97E-17
Max	-2.91E-04	-1.49E-04	-7.29E-02	-2.65E-04	-3.07E-03	1.67E-15	1.15E-02	2.49E-02	2.12E-03	7.99E-03	3.33E-15	2.42E-01	1.39E-16	9.45E-17	-1.04E-02	5.66E-15	4.14E-15	-2.77E-03	6.18E-02	-3.66E-02	1.29E-01	1.02E-02	-4.76E-03	4.80E-18
Normalized peak height	1.62E-02	1.06E-02	3.59E-03	4.02E-03	4.94E-03	8.58E-03	3.75E-03	3.93E-03	3.82E-03	4.29E-03	6.59E-02	3.55E-03	9.24E-01	9.31E-01	3.73E-03	7.39E-03	1.47E-02	3.39E-03	3.84E-03	3.50E-03	3.73E-03	3.64E-03	3.62E-03	3.41E-01
Peak sensitivity value	-8.14E-04	-4.98E-04	-1.32E-01	-5.52E-04	-6.28E-03	-1.18E-18	5.66E-03	1.23E-02	1.05E-03	3.17E-03	1.83E-18	1.04E-01	1.23E-19	-8.50E-20	-1.92E-02	1.16E-18	-1.72E-18	-4.96E-03	2.84E-02	-6.41E-02	6.74E-02	4.88E-03	-8.64E-03	-1.87E-20
Shapiro-Wilk score	6.699E-01	8.116E-01	9.739E-01	9.572E-01	9.218E-01	9.835E-01	9.847E-01	9.888E-01	9.841E-01	9.777E-01	9.943E-01	9.703E-01	2.874E-01	2.797E-01	9.874E-01	9.956E-01	9.951E-01	9.909E-01	9.705E-01	9.827E-01	9.815E-01	9.797E-01	9.828E-01	8.392E-01
Pyruvate																							
Local	9.01E-01	3.88E-01	7.04E+01	2.28E-01	2.76E+00	-6.96E-14	4.07E-02	8.91E-02	7.64E-03	2.31E-02	-7.79E+01	8.15E-01	0.00E+00	0.00E+00	-1.39E-01	-5.18E-14	1.49E-13	-3.34E-02	-1.73E-01	-4.93E-02	-3.93E-03	-1.87E+00	4.59E+00	2.26E-16
Min	1.54E-02	9.37E-03	4.70E+00	1.26E-02	1.38E-01	-3.42E-11	1.49E-03	3.28E-03	3.05E-04	7.91E-04	-3.40E+04	3.27E-02	-4.46E-15	-4.92E-15	-7.30E+01	-5.23E-11	-4.54E-11	-1.76E+01	-8.54E+01	-2.33E+01	-1.76E+00	-8.06E+02	3.01E-01	-1.03E-13
Max	5.63E+02	2.80E+02	3.02E+04	1.12E+02	1.56E+03	8.83E-12	2.25E+01	4.80E+01	4.04E+00	1.18E+01	-5.18E+00	4.20E+02	4.81E-15	4.59E-15	-5.53E+03	4.91E-11	2.45E-11	-1.53E+03	-8.03E-03	-2.25E-03	-1.19E-04	-1.21E-01	1.85E+03	5.25E-14
Normalized peak height	8.03E-01	8.43E-01	7.89E-01	8.05E-01	8.25E-01	7.48E-01	8.19E-01	8.14E-01	8.12E-01	8.04E-01	7.91E-01	8.03E-01	9.31E-01	9.47E-01	8.10E-01	7.36E-01	7.59E-01	8.14E-01	8.01E-01	7.93E-01	7.68E-01	7.88E-01	7.75E-01	7.19E-01
Peak sensitivity value	2.97E-01	1.50E-01	1.98E+01	6.85E-02	9.18E-01	-1.53E-14	1.27E-02	2.73E-02	2.33E-03	6.71E-03	-2.22E+01	2.43E-01	-3.17E-18	1.01E-18	-4.20E-02	-1.41E-14	6.22E-16	-1.03E-02	-5.07E-02	-1.39E-02	-9.98E-04	-5.24E-01	1.23E+00	7.17E-18
Shapiro-Wilk score	6.093E-02	5.535E-02	5.336E-02	5.183E-02	5.060E-02	4.709E-02	5.118E-02	5.084E-02	5.002E-02	5.104E-02	5.370E-02	5.308E-02	2.725E-01	2.508E-01	5.113E-02	7.579E-02	6.684E-02	5.352E-02	5.291E-02	5.332E-02	5.559E-02	5.189E-02	5.502E-02	7.511E-02
Extracellular ethanol																							
Local	1.01E-02	3.72E-03	7.92E-01	2.32E-03	2.81E-02	-3.31E-16	9.18E-03	2.01E-02	1.72E-03	5.20E-03	-1.74E-16	1.84E-01	-3.41E-16	-1.00E+00	-3.13E-02	-1.73E-16	1.29E-15	-7.52E-03	-3.91E-02	-1.11E-02	-8.83E-01	-1.59E-02	5.21E-02	2.13E-18
Min	2.23E-03	1.13E-03	6.15E-01	1.58E-03	1.78E-02	-1.63E-15	5.30E-03	1.13E-02	9.30E-04	2.20E-03	-3.45E-15	1.02E-01	-8.73E-16	-1.00E+00	-5.33E-02	-6.91E-15	-4.42E-15	-1.17E-02	-5.49E-02	-1.51E-02	-2.00E-03	-2.79E-02	3.45E-02	-1.29E-17
Max	1.19E-01	3.46E-02	8.61E-01	3.73E-03	5.56E-02	1.88E-15	1.50E-02	3.32E-02	2.95E-03	1.13E-02	2.93E-15	3.08E-01	7.89E-16	-1.00E+00	-1.84E-02	6.56E-15	5.09E-15	-4.57E-03	-2.67E-02	-7.84E-03	-3.60E-04	-2.82E-03	7.19E-02	8.93E-17
Normalized peak height	1.40E-02	1.06E-02	3.75E-03	3.95E-03	3.86E-03	2.04E-02	3.46E-03	3.71E-03	3.57E-03	4.36E-03	6.08E-02	2.79E-03	6.24E-01	1.00E+00	3.75E-03	5.95E-03	9.35E-03	3.28E-03	3.04E-03	2.94E-03	3.64E-03	5.26E-03	3.24E-03	3.45E-01
Peak sensitivity value	5.22E-03	3.12E-03	8.12E-01	2.27E-03	2.60E-02	1.31E-18	8.60E-03	1.94E-02	1.62E-03	4.86E-03	-3.14E-18	1.55E-01	5.54E-19	-1.00E+00	-2.86E-02	-4.37E-17	2.55E-19	-7.16E-03	-3.65E-02	-1.11E-02	-7.60E-04	-1.97E-02	5.29E-02	2.44E-20
Shapiro-Wilk score	7.100E-01	8.554E-01	9.572E-01	9.934E-01	9.618E-01	9.835E-01	9.909E-01	9.929E-01	9.887E-01	9.845E-01	9.984E-01	9.743E-01	8.347E-01	1.000E+00	9.912E-01	9.969E-01	9.963E-01	9.925E-01	9.922E-01	9.951E-01	9.705E-01	9.981E-01	9.974E-01	9.111E-01
Extracellular glycerol																							
Local	2.51E-02	1.08E-02	1.96E+00	8.63E-03	1.04E-01	8.14E-15	-8.18E-02	-1.78E-01	-1.33E-02	-4.63E-02	1.49E-14	-1.64E+00	0.00E+00	0.00E+00	2.79E-01	9.72E-15	-1.00E+00	6.70E-02	3.48E-01	9.89E-02	7.89E-03	-7.27E-02	1.24E-01	1.93E-17
Min	5.15E-03	2.80E-03	1.65E+00	5.71E-03	6.42E-02	-4.33E-14	-1.33E-01	-2.58E-01	-2.23E-02	-8.21E-02	-6.46E-14	-2.01E+00	-2.30E-15	-2.05E-15	1.76E-01	-1.36E-13	-1.00E+00	4.13E-02	2.54E-01	6.53E-02	4.37E-03	-9.40E-02	9.24E-02	-5.87E-17
Max	2.75E-01	6.16E-02	2.27E+00	1.34E-02	2.07E-01	3.57E-14	-4.60E-02	-1.15E-01	-1.02E-02	-2.38E-02	6.24E-14	-1.34E+00	2.37E-15	2.58E-15	3.86E-01	1.41E-13	-1.00E+00	9.95E-02	4.38E-01	1.41E-01	1.37E-02	-4.85E-02	1.60E-01	5.27E-16
Normalized peak height	1.30E-02	7.33E-03	3.11E-03	3.68E-03	4.20E-03	6.28E-03	3.21E-03	3.48E-03	3.81E-03	4.08E-03	4.00E-02	3.12E-03	9.24E-01	9.29E-01	3.25E-03	8.78E-03	1.00E+00	3.75E-03	3.72E-03	3.75E-03	3.52E-03	4.58E-03	3.11E-03	3.45E-01
Peak sensitivity value	1.10E-02	7.83E-03	1.94E+00	8.19E-03	9.32E-02	9.44E-16	-7.89E-02	-1.79E-01	-1.49E-02	-4.37E-02	-3.46E-17	-1.58E+00	1.97E-18	7.43E-19	2.82E-01	-8.87E-17	-1.00E+00	6.80E-02	3.55E-01	1.01E-01	7.56E-03	-7.13E-02	1.22E-01	2.33E-19
Shapiro-Wilk score	6.963E-01	8.422E-01	9.904E-01	9.848E-01	9.372E-01	9.910E-01	9.962E-01	9.993E-01	9.969E-01	9.933E-01	9.919E-01	9.920E-01	2.848E-01	2.817E-01	9.994E-01	9.977E-01	1.000E+00	9.981E-01	9.993E-01	9.996E-01	9.913E-01	9.984E-01	9.977E-01	8.755E-01
Extracellular glucose																							
Local	2.57E+00	-1.40E-02	-2.53E+00	-3.55E-03	-4.30E-02	8.97E-17	-5.98E-04	-1.31E-03	-1.12E-04	-3.38E-04	2.12E-16	-1.20E-02	0.00E+00	0.00E+00	2.04E-03	1.65E-16	1.51E-17	4.89E-04	2.54E-03	7.23E-04	5.76E-05	2.53E-02	5.83E-03	-3.53E-18
Min	1.41E+00	-1.93E-01	-6.29E+00	-1.42E-02	-2.50E-01	-1.04E-15	-3.44E-03	-7.57E-03	-6.42E-04	-1.96E-03	-2.34E-15	-6.43E-02	-9.42E-17	-6.75E-17	5.32E-04	-4.79E-15	-3.51E-15	1.42E-04	7.57E-04	2.29E-04	1.12E-05	-1.43E-02	2.29E-03	-3.18E-16
Max	6.49E+00	-2.36E-03	-1.39E+00	-1.32E-03	-1.40E-02	9.43E-16	-1.53E-04	-3.41E-04	-3.10E-05	-8.48E-05	2.34E-15	-3.10E-03	7.35E-17	6.71E-17	1.14E-02	4.24E-15	2.73E-15	2.35E-03	1.19E-02	2.92E-03	3.71E-04	7.25E-02	2.35E-02	9.89E-15
Normalized peak height	4.02E-03	1.62E-02	4.05E-03	5.86E-03	8.28E-03	6.95E-02	7.74E-03	7.91E-03	8.01E-03	8.07E-03	2.42E-02	7.31E-03	9.25E-01	9.30E-01	8.08E-03	1.15E-02	1.20E-02	6.92E-03	6.63E-03	5.90E-03	8.19E-03	6.45E-03	6.20E-03	3.43E-01
Peak sensitivity value	1.96E+00	-7.42E-03	-1.97E+00	-2.70E-03	-3.20E-02	8.69E-19	-4.18E-04	-1.01E-03	-7.77E-05	-2.19E-04	1.04E-18	-8.21E-03	-1.20E-20	4.29E-20	1.43E-03	1.20E-17	9.84E-18	3.68E-04	1.80E-03	5.38E-04	3.58E-05	2.05E-02	4.48E-03	1.96E-19
Shapiro-Wilk score	9.073E-01	6.993E-01	9.114E-01	8.547E-01	8.239E-01	9.663E-01	8.646E-01	8.650E-01	8.632E-01	8.632E-01	9.223E-01	8.443E-01	2.704E-01	2.662E-01	8.660E-01	9.597E-01	9.553E-01	8.730E-01	8.701E-01	8.756E-01	8.361E-01	9.380E-01	8.915E-01	7.447E-01
1-3-Bisphosphoglycerate																							
Local	1.07E-02	4.61E-03	8.37E-01	4.44E-02	5.38E-01	5.30E-16	8.28E-03	1.81E-02	-2.84E-01	-8.56E-01	3.50E-14	1.66E-01	0.00E+00	0.00E+00	-2.82E-02	6.06E-16	-4.86E-16	-6.78E-03	-3.52E-02	-1.00E-02	-7.98E-04	-3.98E-01	-7.28E-03	7.56E-17
Min	2.56E-03	1.28E-03	3.85E-01	3.37E-02	3.96E-01	-1.20E-14	4.18E-03	1.00E-02	-3.80E-01	-9.73E-01	-1.06E-13	8.79E-02	-6.51E-16	-7.01E-16	-5.47E-02	-3.36E-14	-2.53E-14	-1.17E-02	-6.14E-02	-1.57E-02	-1.99E-03	-4.29E-01	-3.50E-02	-1.17E-15
Max	9.23E-02	2.29E-02	1.03E+00	5.82E-02	8.95E-01	1.19E-14	1.62E-02	3.54E-02	-2.12E-01	-7.19E-01	1.18E-13	3.31E-01	7.84E-16	5.78E-16	-1.51E-02	3.27E-14	2.87E-14	-3.87E-03	-2.20E-02	-6.65E-03	-3.08E-04	-3.65E-01	7.07E-03	3.53E-15
Normalized peak height	1.08E-02	6.68E-03	3.89E-03	3.28E-03	3.60E-03	4.04E-02	4.07E-03	4.17E-03	3.24E-03	3.13E-03	8.89E-03	3.60E-03	9.25E-01	9.34E-01	4.27E-03	4.85E-03	5.78E-03	3.84E-03	3.86E-03	3.46E-03	3.97E-03	3.75E-03	3.77E-03	3.41E-01
Peak sensitivity value	6.29E-03	3.30E-03	8.68E-01	4.36E-02	4.93E-01	-9.18E-18	7.59E-03	1.74E-02	-2.93E-01	-8.47E-01	6.66E-18	1.31E-01	-1.42E-19	5.82E-19	-2.80E-02	6.80E-16	4.37E-16	-6.80E-03	-3.48E-02	-9.75E-03	-7.05E-04	-3.99E-01	-4.47E-03	1.21E-19
Shapiro-Wilk score	7.392E-01	8.821E-01	9.426E-01	9.946E-01	9.422E-01	9.978E-01	9.819E-01	9.832E-01	9.977E-01	9.977E-01	9.938E-01	9.615E-01	2.810E-01	2.774E-01	9.819E-01	9.981E-01	9.980E-01	9.855E-01	9.843E-01	9.895E-01	9.587E-01	9.993E-01	9.702E-01	8.609E-01
Fructose 1-6-bisphosphate																							
Local	4.60E-02	1.98E-02	3.59E+00	2.43E-02	2.94E-01	-9.76E-02	-8.09E-02	-1.00E+00	-8.59E-02	-2.99E-01	2.20E-14	-2.18E+00	0.00E+00	0.00E+00	-9.76E-01	1.28E-14	-8.40E-15	8.90E-02	4.63E-01	1.31E-01	1.05E-02	-2.10E-01	2.16E-01	3.37E-17
Min	9.69E-03	4.98E-03	2.96E+00	1.54E-02	1.74E-01	-1.65E-01	-2.13E-01	-1.34E+00	-1.17E-01	-4.32E-01	-1.04E-13	-3.36E+00	-3.33E-15	-3.01E-15	-1.41E+00	-2.04E-13	-1.63E-13	5.06E-02	2.90E-01	8.10E-02	4.68E-03	-2.71E-01	1.59E-01	-1.85E-16
Max	5.11E-01	1.25E-01	4.50E+00	3.70E-02	5.67E-01	-6.30E-02	5.53E-02	-6.83E-01	-5.94E-02	-1.44E-01	9.37E-14	-1.31E+00	2.98E-15	3.48E-15	-6.13E-01	2.07E-13	1.82E-13	1.45E-01	6.60E-01	1.97E-01	2.14E-02	-1.56E-01	2.89E-01	2.31E-15
Normalized peak height	1.33E-02	8.41E-03	3.17E-03	3.67E-03	4.10E-03	3.83E-03	3.33E-03	3.49E-03	3.47E-03	3.90E-03	3.95E-02	3.11E-03	9.28E-01	9.41E-01	3.24E-03	1.16E-02	2.22E-02	3.56E-03	3.72E-03	3.40E-03	3.78E-03	3.70E-03	3.24E-03	3.43E-01
Peak sensitivity value	2.40E-02	1.36E-02	3.40E+00	2.28E-02	2.66E-01	-9.61E-02	-8.94E-02	-9.74E-01	-8.40E-02	-2.50E-01	-4.96E-17	-1.91E+00	2.35E-18	-1.18E-18	-9.73E-01	5.99E-17	-1.58E-16	8.21E-02	4.55E-01	1.26E-01	9.27E-03	-2.09E-01	2.09E-01	6.92E-19
Shapiro-Wilk score	6.909E-01	8.363E-01	9.821E-01	9.885E-01	9.455E-01	9.944E-01	9.992E-01	9.997E-01	9.973E-01	9.948E-01	9.945E-01	9.891E-01	2.825E-01	2.683E-01	9.953E-01	9.970E-01	9.953E-01	9.951E-01	9.982E-01	9.966E-01	9.819E-01	9.983E-01	9.964E-01	8.672E-01
AMP																							
Local	4.17E-03	1.79E-03	3.29E-01	-6.74E-02	-8.16E-01	2.40E-15	-1.26E-02	-2.70E-02	-2.37E-03	-7.14E-03	6.43E-15	-2.52E-01	0.00E+00	0.00E+00	4.30E-02	3.70E-15	2.03E-16	1.03E-02	5.37E-02	1.52E-02	1.22E-03	6.08E-01	1.23E-01	6.38E-17
Min	1.99E-04	1.24E-04	4.08E-02	-8.65E-02	-1.34E+00	-1.19E-14	-2.31E-02	-5.13E-02	-4.61E-03	-1.55E-02	-2.29E-14	-5.17E-01	-1.89E-15	-1.76E-15	2.37E-02	-5.96E-14	-4.67E-14	5.82E-03	3.53E-02	9.99E-03	4.60E-04	5.78E-01	9.59E-02	-3.38E-16
Max	9.58E-02	2.34E-02	1.04E+00	-5.11E-02	-6.12E-01	1.28E-14	-6.90E-03	-1.54E-02	-1.21E-03	-2.85E-03	3.06E-14	-1.39E-01	1.76E-15	1.88E-15	7.76E-02	4.31E-14	3.96E-14	1.92E-02	8.86E-02	2.36E-02	3.20E-03	6.41E-01	1.65E-01	2.67E-15
Normalized peak height	2.54E-02	1.38E-02	3.67E-03	3.29E-03	3.53E-03	6.68E-02	4.06E-03	3.83E-03	4.14E-03	4.50E-03	2.63E-02	3.56E-03	9.27E-01	9.41E-01	3.79E-03	5.49E-03	6.85E-03	3.94E-03	3.67E-03	3.58E-03	4.19E-03	3.81E-03	3.15E-03	3.45E-01
Peak sensitivity value	1.30E-03	7.88E-04	2.84E-01	-6.39E-02	-7.46E-01	6.17E-18	-1.13E-02	-2.56E-02	-2.10E-03	-6.12E-03	9.33E-18	-2.31E-01	1.05E-18	-6.96E-19	3.84E-02	-9.78E-16	-3.28E-17	9.51E-03	4.86E-02	1.41E-02	1.10E-03	6.08E-01	1.22E-01	-2.50E-19
Shapiro-Wilk score	6.174E-01	7.510E-01	9.501E-01	9.946E-01	9.434E-01	9.963E-01	9.817E-01	9.839E-01	9.811E-01	9.776E-01	9.924E-01	9.622E-01	2.875E-01	2.739E-01	9.827E-01	9.973E-01	9.968E-01	9.868E-01	9.850E-01	9.900E-01	9.595E-01	9.997E-01	9.955E-01	8.550E-01
ATP																							
Local	-1.59E-03	-6.83E-04	-1.24E-01	2.57E-02	3.11E-01	-8.56E-16	4.80E-03	1.05E-02	9.01E-04	2.72E-03	-2.17E-15	9.61E-02	0.00E+00	0.00E+00	-1.64E-02	-1.32E-15	-6.97E-17	-3.95E-03	-2.04E-02	-5.81E-03	-4.63E-04	-2.32E-01	-4.68E-02	2.55E-17
Min	-4.34E-02	-1.06E-02	-4.77E-01	1.83E-02	1.99E-01	-4.40E-15	2.27E-03	5.03E-03	3.80E-04	1.06E-03	-1.07E-14	4.44E-02	-7.22E-16	-5.37E-16	-3.50E-02	-2.41E-14	-1.64E-14	-7.59E-03	-3.94E-02	-1.07E-02	-1.47E-03	-3.09E-01	-7.33E-02	-1.33E-16
Max	-6.82E-05	-3.80E-05	-1.53E-02	3.74E-02	6.30E-01	5.86E-15	1.04E-02	2.25E-02	1.97E-03	6.04E-03	1.17E-14	2.36E-01	7.63E-16	6.57E-16	-8.38E-03	1.88E-14	1.60E-14	-2.09E-03	-1.18E-02	-3.43E-03	-1.52E-04	-1.91E-01	-3.59E-02	2.05E-15
Normalized peak height	3.01E-02	1.62E-02	4.33E-03	3.54E-03	4.22E-03	6.52E-02	4.22E-03	4.31E-03	4.37E-03	4.26E-03	2.03E-02	4.37E-03	9.23E-01	9.32E-01	4.40E-03	6.24E-03	7.42E-03	3.81E-03	4.42E-03	3.99E-03	4.82E-03	4.13E-03	3.86E-03	3.41E-01
Peak sensitivity value	-4.80E-04	-2.96E-04	-9.87E-02	2.51E-02	2.76E-01	3.04E-18	4.46E-03	9.23E-03	8.68E-04	2.44E-03	1.11E-17	8.49E-02	2.75E-19	-2.62E-19	-1.52E-02	1.86E-16	-5.31E-17	-3.68E-03	-1.90E-02	-5.51E-03	-3.53E-04	-2.34E-01	-4.76E-02	1.03E-18
Shapiro-Wilk score	5.974E-01	7.298E-01	9.330E-01	9.879E-01	9.428E-01	9.941E-01	9.697E-01	9.707E-01	9.676E-01	9.699E-01	9.904E-01	9.489E-01	2.862E-01	2.798E-01	9.703E-01	9.947E-01	9.941E-01	9.748E-01	9.710E-01	9.783E-01	9.486E-01	9.913E-01	9.891E-01	7.728E-01
NADH																							
Local	9.35E-03	4.03E-03	7.30E-01	-1.86E-03	-2.25E-02	6.21E-15	1.54E-01	3.36E-01	2.88E-02	8.69E-02	1.30E-14	-1.28E+00	0.00E+00	0.00E+00	-5.23E-01	6.20E-15	-5.37E-15	5.25E-02	2.73E-01	7.75E-02	6.18E-03	1.86E-02	5.39E-02	-5.02E-18
Min	1.85E-03	9.23E-04	4.66E-01	-5.01E-03	-5.71E-02	-3.88E-14	1.07E-01	2.56E-01	1.77E-02	4.65E-02	-4.94E-14	-1.48E+00	-1.43E-15	-1.33E-15	-6.01E-01	-9.60E-14	-6.74E-14	3.27E-02	1.94E-01	4.74E-02	3.56E-03	-2.02E-03	3.65E-02	-1.43E-15
Max	1.09E-01	2.51E-02	9.86E-01	7.03E-04	1.07E-02	2.93E-14	2.15E-01	4.17E-01	4.22E-02	1.45E-01	4.82E-14	-1.03E+00	1.59E-15	1.50E-15	-4.34E-01	9.58E-14	7.04E-14	7.95E-02	3.46E-01	1.12E-01	9.62E-03	4.24E-02	7.45E-02	3.24E-17
Normalized peak height	1.40E-02	8.16E-03	3.59E-03	4.18E-03	4.05E-03	7.35E-03	3.34E-03	3.91E-03	3.57E-03	3.61E-03	7.21E-02	3.91E-03	9.23E-01	9.29E-01	3.86E-03	5.20E-03	1.43E-02	3.82E-03	3.14E-03	3.23E-03	3.52E-03	3.62E-03	3.50E-03	3.44E-01
Peak sensitivity value	4.69E-03	2.60E-03	7.11E-01	-1.71E-03	-2.00E-02	4.97E-16	1.47E-01	3.36E-01	2.79E-02	8.35E-02	2.59E-17	-1.26E+00	-1.05E-18	-7.87E-19	-5.29E-01	-2.56E-17	2.05E-17	5.42E-02	2.80E-01	8.04E-02	5.95E-03	1.76E-02	5.22E-02	-4.59E-19
Shapiro-Wilk score	6.933E-01	8.402E-01	9.971E-01	9.993E-01	9.992E-01	9.886E-01	9.974E-01	9.998E-01	9.981E-01	9.962E-01	9.894E-01	9.987E-01	2.901E-01	2.836E-01	9.975E-01	9.983E-01	9.961E-01	9.985E-01	9.954E-01	9.992E-01	9.928E-01	9.993E-01	9.968E-01	4.649E-01

Table S20: Concentration control coefficients for *Saccharomyces cerevisiae* model with parameter variation of ±20%

Metabolite		(GlucoseMixedflowtoextracellularmedium)	(Glucoseuptake)	(Hexokinase)	(Phosphoglucoisomerase)	(Phosphofructokinase)	(Aldolase)	(Triosephosphateisomerase)	(Glyceraldehyde3-phosphatedehydrogenase)	(Phosphoenolpyruvatesynthesis)	(Pyruvatekinase)	(Pyruvatedecarboxylase)	(Alcoholdehydrogenase)
Acetaldehyde	Local	2.55E-02	1.10E-02	1.99E+00	8.76E-03	1.06E-01	-5.75E-15	-8.30E-02	-1.82E-01	-1.56E-02	-4.70E-02	-7.51E-15	-1.66E+00
	Min	1.89E-03	1.03E-03	7.65E-02	3.79E-03	4.37E-02	-3.88E-14	-2.03E-01	-3.26E-01	-3.17E-02	-1.21E-01	-1.28E-13	-2.46E+00
	Max	2.38E+00	4.45E-01	2.75E+00	2.58E-02	9.35E-01	3.89E-14	-1.88E-02	-5.59E-02	-5.99E-03	-1.09E-02	1.20E-13	-1.14E+00
	Normalized peak height	1.09E-01	3.96E-02	6.07E-03	5.19E-03	1.43E-02	1.59E-02	3.71E-03	3.20E-03	4.17E-03	4.10E-03	6.91E-02	3.12E-03
	Peak sensitivity value	5.46E-03	4.36E-03	1.84E+00	8.00E-03	8.07E-02	-6.65E-17	-8.24E-02	-1.73E-01	-1.49E-02	-3.99E-02	-9.83E-17	-1.49E+00
	Shapiro-Wilk score	3.543E-01	5.324E-01	8.219E-01	9.474E-01	7.008E-01	9.263E-01	9.881E-01	9.973E-01	9.877E-01	9.744E-01	9.174E-01	9.832E-01
Cytosolic glucose	Local	2.04E+00	8.77E-01	-3.34E+00	7.30E-03	8.83E-02	4.39E-16	-2.81E-03	-6.15E-03	-5.28E-04	-1.59E-03	1.00E-15	-5.63E-02
	Min	2.36E-01	2.91E-01	-3.40E+03	-1.94E-01	-2.06E+00	-9.22E-14	-2.68E+00	-4.76E+00	-3.79E-01	-1.12E+00	-3.38E-13	-5.28E+01
	Max	2.62E+03	6.68E+02	-8.21E-01	3.15E-01	4.43E+00	1.73E-13	1.02E-02	2.56E-02	1.66E-03	3.79E-03	5.85E-14	3.21E-01
	Normalized peak height	6.65E-01	5.96E-01	6.36E-01	6.24E-02	6.48E-02	3.30E-01	6.42E-01	5.75E-01	5.50E-01	5.14E-01	2.44E-01	5.06E-01
	Peak sensitivity value	1.54E+00	6.25E-01	-2.52E+00	4.05E-03	4.93E-02	-7.13E-17	-1.88E-03	-5.54E-03	-4.36E-04	-1.25E-03	2.84E-18	-2.49E-02
	Shapiro-Wilk score	6.712E-02	4.622E-02	5.881E-02	7.328E-01	6.492E-01	3.037E-01	4.856E-02	6.541E-02	7.703E-02	8.729E-02	3.704E-01	6.209E-02
Glycerol	Local	2.51E-02	1.08E-02	1.96E+00	8.63E-03	1.04E-01	8.13E-15	-8.18E-02	-1.79E-01	-1.53E-02	-4.63E-02	1.53E-14	-1.64E+00
	Min	1.80E-03	1.04E-03	1.08E-01	3.82E-03	4.56E-02	-7.44E-14	-1.88E-01	-3.37E-01	-3.02E-02	-1.15E-01	-1.79E-13	-2.46E+00
	Max	2.10E+00	4.56E-01	2.63E+00	2.38E-02	1.04E+00	5.84E-14	-1.84E-02	-5.62E-02	-5.45E-03	-9.11E-03	1.34E-13	-1.12E+00
	Normalized peak height	9.86E-02	3.98E-02	5.71E-03	4.80E-03	1.58E-02	1.42E-02	3.40E-03	3.41E-03	3.97E-03	3.89E-03	4.87E-02	3.24E-03
	Peak sensitivity value	7.05E-03	4.00E-03	1.80E+00	8.27E-03	8.47E-02	4.25E-16	-7.78E-02	-1.83E-01	-1.43E-02	-3.89E-02	-2.99E-17	-1.57E+00
	Shapiro-Wilk score	3.538E-01	5.370E-01	8.166E-01	9.478E-01	7.109E-01	9.422E-01	9.890E-01	9.977E-01	9.891E-01	9.750E-01	9.361E-01	9.848E-01
EtOH	Local	1.01E-02	4.37E-03	7.92E-01	2.32E-03	2.81E-02	-3.86E-16	9.18E-03	2.01E-02	1.72E-03	5.20E-03	-7.43E-17	1.84E-01
	Min	9.03E-04	5.01E-04	4.38E-02	9.81E-04	1.07E-02	-2.59E-15	2.59E-03	5.65E-03	4.24E-04	9.41E-04	-6.08E-15	6.19E-02
	Max	7.29E-01	1.35E-01	9.03E-01	7.50E-03	2.74E-01	2.49E-15	2.39E-02	4.97E-02	4.71E-03	1.80E-02	8.44E-15	4.93E-01
	Normalized peak height	8.29E-02	2.92E-02	7.31E-03	5.87E-03	1.50E-02	2.57E-02	3.92E-03	3.90E-03	4.02E-03	4.63E-03	8.15E-02	3.77E-03
	Peak sensitivity value	2.72E-03	1.91E-03	8.36E-01	2.37E-03	2.43E-02	-1.29E-18	7.62E-03	1.60E-02	1.30E-03	4.23E-03	-9.25E-19	1.33E-01
	Shapiro-Wilk score	3.609E-01	5.463E-01	6.956E-01	9.587E-01	7.575E-01	9.339E-01	9.712E-01	9.772E-01	9.618E-01	9.458E-01	9.794E-01	9.315E-01
ADP	Local	1.29E-03	5.55E-04	1.01E-01	-2.09E-02	-2.53E-01	6.63E-16	-3.90E-03	-8.54E-03	-7.33E-04	-2.21E-03	1.57E-15	-7.81E-02
	Min	-4.53E-04	-3.64E-04	-4.48E-02	-3.59E-02	-8.54E-01	-6.94E-15	-1.38E-02	-2.96E-02	-2.40E-03	-1.06E-02	-1.38E-14	-3.07E-01
	Max	5.00E-01	9.18E-02	8.19E-01	-7.87E-03	-1.36E-01	6.14E-15	-8.05E-04	-1.89E-03	-1.60E-04	-2.97E-04	1.19E-14	-1.98E-02
	Normalized peak height	3.54E-01	1.64E-01	6.58E-03	3.84E-03	7.37E-03	7.85E-02	5.09E-03	5.42E-03	4.71E-03	5.89E-03	5.65E-02	5.19E-03
	Peak sensitivity value	2.97E-04	5.03E-05	6.18E-02	-1.80E-02	-2.15E-01	-1.94E-18	-3.21E-03	-6.78E-03	-5.60E-04	-1.56E-03	-3.97E-18	-5.55E-02
	Shapiro-Wilk score	3.017E-01	4.172E-01	8.599E-01	9.860E-01	8.463E-01	9.480E-01	9.483E-01	9.581E-01	9.455E-01	9.302E-01	9.695E-01	9.076E-01
Glyceraldehyde 3-phosphate	Local	2.26E-02	9.73E-03	1.76E+00	1.27E-02	1.54E-01	6.19E-15	1.56E-01	-5.55E-01	-4.76E-02	-1.44E-01	1.37E-14	-1.23E+00
	Min	1.63E-03	9.83E-04	9.11E-02	5.21E-03	5.90E-02	-3.56E-14	5.10E-02	-8.73E-01	-8.80E-02	-3.40E-01	-8.29E-14	-2.54E+00
	Max	2.15E+00	3.91E-01	2.95E+00	3.03E-02	1.21E+00	4.33E-14	3.41E-01	-2.30E-01	-2.08E-02	-3.95E-02	7.80E-14	-4.05E-01
	Normalized peak height	1.12E-01	3.87E-02	5.90E-03	3.95E-03	1.25E-02	1.52E-02	3.89E-03	3.03E-03	3.74E-03	3.66E-03	5.92E-02	3.24E-03
	Peak sensitivity value	4.85E-03	3.91E-03	1.49E+00	1.05E-02	1.20E-01	-3.61E-17	1.40E-01	-5.67E-01	-4.34E-02	-1.24E-01	2.39E-17	-9.71E-01
	Shapiro-Wilk score	3.554E-01	5.339E-01	9.133E-01	9.654E-01	7.451E-01	9.453E-01	9.906E-01	9.983E-01	9.904E-01	9.782E-01	9.585E-01	9.759E-01
Dihydroxyacetone phosphate	Local	2.40E-02	1.03E-02	1.88E+00	1.23E-02	1.49E-01	5.18E-15	-2.24E-01	-4.91E-01	-4.21E-02	-1.27E-01	1.04E-14	-1.03E+00
	Min	1.83E-03	1.08E-03	8.57E-02	5.16E-03	5.61E-02	-3.48E-14	-4.64E-01	-7.90E-01	-7.80E-02	-3.04E-01	-7.80E-14	-2.38E+00
	Max	2.24E+00	3.62E-01	2.97E+00	3.02E-02	1.63E+00	3.67E-14	-5.64E-02	-1.80E-01	-1.89E-02	-3.08E-02	7.89E-14	-2.97E-01
	Normalized peak height	1.11E-01	3.40E-02	6.65E-03	4.07E-03	1.72E-02	1.44E-02	3.34E-03	3.46E-03	3.72E-03	3.92E-03	5.13E-02	3.46E-03
	Peak sensitivity value	5.18E-03	3.78E-03	1.73E+00	1.21E-02	1.20E-01	-2.65E-17	-2.18E-01	-5.03E-01	-4.24E-02	-1.11E-01	6.06E-17	-8.49E-01
	Shapiro-Wilk score	3.524E-01	5.374E-01	8.780E-01	9.623E-01	7.405E-01	9.499E-01	9.925E-01	9.991E-01	9.898E-01	9.761E-01	9.583E-01	9.720E-01
Glucose-6-Phosphate	Local	1.37E-02	5.88E-03	1.07E+00	-2.72E-02	-3.29E-01	-8.33E-16	5.10E-03	1.11E-02	9.57E-04	2.89E-03	-1.82E-15	1.02E-01
	Min	1.04E-03	6.07E-04	5.30E-02	-6.45E-02	-3.30E+00	-8.65E-15	-2.24E-02	-5.01E-02	-4.45E-03	-8.71E-03	-1.66E-14	-7.10E-01
	Max	1.63E+00	2.80E-01	4.07E+00	-1.44E-02	-1.65E-01	8.70E-15	1.29E-02	2.78E-02	3.05E-03	1.10E-02	2.63E-14	2.94E-01
	Normalized peak height	1.34E-01	4.52E-02	2.86E-02	4.74E-03	1.70E-02	8.82E-02	9.85E-03	1.01E-02	1.00E-02	7.84E-03	4.60E-02	1.35E-02
	Peak sensitivity value	3.49E-03	2.42E-03	1.02E+00	-2.48E-02	-2.48E-01	-2.66E-18	4.27E-03	1.01E-02	7.39E-04	2.10E-03	-7.63E-18	7.44E-02
	Shapiro-Wilk score	3.528E-01	5.074E-01	7.278E-01	9.647E-01	7.317E-01	9.364E-01	9.576E-01	9.482E-01	9.603E-01	9.621E-01	9.624E-01	9.315E-01
NAD	Local	-4.87E-03	-2.10E-03	-3.80E-01	9.66E-04	1.17E-02	-3.24E-15	-8.00E-02	-1.75E-01	-1.50E-02	-4.53E-02	-6.78E-15	6.68E-01
	Min	-7.19E-01	-1.37E-01	-1.10E+00	-3.91E-03	-2.09E-01	-2.27E-14	-1.98E-01	-5.56E-01	-6.85E-02	-2.08E-01	-5.39E-14	1.83E-01
	Max	-1.89E-04	-8.61E-05	-1.53E-02	9.21E-03	1.49E-01	1.91E-14	-2.05E-02	-5.10E-02	-1.85E-03	-3.47E-03	3.92E-14	1.67E+00
	Normalized peak height	1.72E-01	6.73E-02	4.32E-03	8.43E-03	1.78E-02	1.29E-02	3.75E-03	4.68E-03	4.97E-03	5.16E-03	8.73E-02	3.50E-03
	Peak sensitivity value	-1.27E-03	-5.67E-04	-2.40E-01	5.54E-04	6.06E-03	-3.47E-17	-6.46E-02	-1.56E-01	-1.25E-02	-3.63E-02	2.66E-17	5.09E-01
	Shapiro-Wilk score	3.348E-01	5.024E-01	9.452E-01	9.462E-01	8.955E-01	9.384E-01	9.776E-01	9.626E-01	9.290E-01	9.293E-01	9.635E-01	9.586E-01
Extracellular acetaldehyde	Local	2.55E-02	1.10E-02	1.99E+00	8.78E-03	1.06E-01	-5.73E-15	-8.32E-02	-1.82E-01	-1.56E-02	-4.71E-02	-8.63E-15	-1.67E+00
	Min	1.90E-03	1.08E-03	9.64E-02	3.87E-03	4.35E-02	-3.21E-14	-1.94E-01	-3.31E-01	-3.12E-02	-1.19E-01	-1.05E-13	-2.43E+00
	Max	2.24E+00	3.57E-01	2.75E+00	2.56E-02	8.95E-01	4.36E-14	-2.02E-02	-5.93E-02	-5.40E-03	-1.16E-02	8.47E-14	-1.12E+00
	Normalized peak height	1.02E-01	3.26E-02	5.88E-03	5.00E-03	1.34E-02	1.64E-02	3.51E-03	3.26E-03	3.97E-03	3.82E-03	7.08E-02	3.26E-03
	Peak sensitivity value	7.50E-03	4.82E-03	1.81E+00	8.03E-03	8.48E-02	-3.35E-17	-7.27E-02	-1.71E-01	-1.45E-02	-4.10E-02	-7.65E-17	-1.62E+00
	Shapiro-Wilk score	3.548E-01	5.373E-01	8.263E-01	9.482E-01	7.145E-01	9.310E-01	9.882E-01	9.975E-01	9.881E-01	9.754E-01	9.274E-01	9.843E-01
Phosphoenolpyruvate	Local	1.38E-02	5.93E-03	1.08E+00	6.08E-03	7.36E-02	2.62E-15	1.11E-03	2.42E-03	2.08E-04	-1.20E+00	7.14E-14	2.22E-02
	Min	1.17E-03	5.28E-04	5.56E-02	3.13E-03	3.97E-02	-3.25E-14	2.68E-04	5.95E-04	5.41E-05	-1.33E+00	-2.94E-13	6.83E-03
	Max	1.04E+00	2.25E-01	1.19E+00	1.30E-02	5.63E-01	3.85E-14	5.77E-03	1.50E-02	1.28E-03	-1.12E+00	3.33E-13	1.91E-01
	Normalized peak height	8.63E-02	3.59E-02	1.25E-02	4.36E-03	1.44E-02	5.62E-02	7.21E-03	9.11E-03	8.13E-03	2.74E-03	2.14E-01	1.09E-02
	Peak sensitivity value	3.77E-03	2.66E-03	1.05E+00	5.49E-03	6.19E-02	-2.70E-17	9.31E-04	2.08E-03	1.69E-04	-1.18E+00	-2.78E-16	1.54E-02
	Shapiro-Wilk score	3.590E-01	5.423E-01	5.182E-01	9.749E-01	7.423E-01	9.610E-01	9.012E-01	8.908E-01	8.956E-01	9.723E-01	9.328E-01	8.359E-01

Metabolite		(Ethanolout)	(Ethanolflow)	(Glycerolsynthesis)	(Glycerolout)	(Glycerolflow)	(Acetaldehydeout)	(Acetaldehydeflow)	(Cyanide-Acetaldehydeflow)	(Cyanideflow)	(Storage)	(ATPconsumption)	(Adenylatekinase)
Acetaldehyde	Local	0.00E+00	0.00E+00	2.83E-01	-5.12E-15	7.96E-15	-6.23E-02	-3.24E-01	-9.20E-02	-7.34E-03	-7.38E-02	1.26E-01	1.05E-17
	Min	-3.75E-14	-1.65E-13	8.07E-02	-1.17E-13	-1.03E-13	-1.31E-01	-5.27E-01	-1.63E-01	-3.38E-02	-1.33E-01	5.04E-02	-2.17E-16
	Max	2.13E-14	5.88E-14	4.82E-01	1.02E-13	7.67E-14	-2.38E-02	-1.59E-01	-4.27E-02	-1.24E-03	1.49E-01	2.09E-01	3.51E-16
	Normalized peak height	6.51E-01	7.16E-01	3.27E-03	9.23E-03	2.14E-02	3.73E-03	3.47E-03	3.58E-03	5.32E-03	1.23E-02	3.62E-03	3.14E-01
	Peak sensitivity value	2.18E-17	2.65E-17	2.80E-01	7.94E-17	5.98E-17	-5.95E-02	-3.17E-01	-9.09E-02	-5.23E-03	-7.12E-02	1.27E-01	-1.65E-19
	Shapiro-Wilk score	3.432E-01	5.713E-02	9.988E-01	9.879E-01	9.797E-01	9.846E-01	9.925E-01	9.927E-01	9.004E-01	8.174E-01	9.974E-01	9.139E-01
Cytosolic glucose	Local	0.00E+00	0.00E+00	9.58E-03	7.63E-16	4.37E-17	2.30E-03	1.20E-02	3.40E-03	2.71E-04	3.43E-01	2.74E-02	7.34E-18
	Min	-1.04E-14	-1.14E-14	-4.05E-02	-9.05E-13	-6.58E-13	-9.84E-03	-4.53E-02	-1.24E-02	-2.14E-03	1.00E-01	-5.40E-02	-6.79E-16
	Max	7.52E-15	1.28E-14	7.67E+00	1.99E-13	9.19E-14	1.18E+00	7.60E+00	1.66E+00	1.71E-01	1.44E+02	1.83E+01	8.23E-16
	Normalized peak height	6.74E-01	7.13E-01	5.29E-01	2.61E-01	2.62E-01	4.21E-01	4.58E-01	3.63E-01	4.43E-01	3.85E-01	5.53E-01	3.26E-01
	Peak sensitivity value	-6.37E-18	4.00E-18	9.64E-03	-1.61E-16	-2.09E-17	1.45E-03	1.20E-02	3.46E-03	1.93E-04	3.17E-01	2.86E-02	7.37E-19
	Shapiro-Wilk score	2.978E-01	1.655E-01	6.353E-02	3.270E-01	3.132E-01	1.170E-01	8.304E-02	1.133E-01	1.375E-01	1.030E-01	6.345E-02	6.793E-01
Glycerol	Local	0.00E+00	0.00E+00	2.79E-01	-5.98E-01	-4.02E-01	6.70E-02	3.48E-01	9.89E-02	7.89E-03	-7.27E-02	1.24E-01	1.03E-17
	Min	-3.68E-14	-2.06E-13	8.17E-02	-7.25E-01	-5.52E-01	2.15E-02	1.67E-01	3.90E-02	2.30E-03	-1.46E-01	4.81E-02	-6.15E-17
	Max	8.52E-14	3.74E-13	4.92E-01	-4.48E-01	-2.75E-01	1.39E-01	5.03E-01	1.87E-01	1.97E-02	1.86E-01	2.04E-01	5.94E-16
	Normalized peak height	6.63E-01	7.76E-01	3.34E-03	2.58E-03	2.58E-03	3.74E-03	3.43E-03	3.76E-03	3.66E-03	1.43E-02	3.72E-03	3.17E-01
	Peak sensitivity value	-3.37E-17	1.32E-16	2.84E-01	-6.23E-01	-3.77E-01	6.42E-02	3.62E-01	9.69E-02	6.45E-03	-6.95E-02	1.16E-01	-2.01E-19
	Shapiro-Wilk score	1.657E-01	3.508E-02	9.989E-01	9.962E-01	9.962E-01	9.914E-01	9.988E-01	9.977E-01	9.689E-01	8.218E-01	9.970E-01	9.069E-01
EtOH	Local	-1.45E-01	-8.55E-01	-3.13E-02	-1.63E-16	1.29E-15	-7.52E-03	-3.91E-02	-1.11E-02	-8.85E-04	-1.89E-02	5.21E-02	2.13E-18
	Min	-2.30E-01	-9.15E-01	-8.25E-02	-1.12E-14	-8.78E-15	-1.79E-02	-7.36E-02	-1.98E-02	-4.45E-03	-4.23E-02	1.53E-02	-5.37E-17
	Max	-8.49E-02	-7.70E-01	-9.14E-03	1.08E-14	6.98E-15	-2.79E-03	-1.86E-02	-5.42E-03	-1.24E-04	4.96E-02	9.10E-02	8.36E-17
	Normalized peak height	2.76E-03	2.76E-03	4.10E-03	8.67E-03	1.41E-02	3.45E-03	2.99E-03	3.01E-03	5.58E-03	8.97E-03	3.20E-03	3.15E-01
	Peak sensitivity value	-1.53E-01	-8.47E-01	-2.61E-02	-7.11E-18	2.49E-18	-6.89E-03	-3.29E-02	-1.01E-02	-5.63E-04	-2.02E-02	5.27E-02	2.50E-20
	Shapiro-Wilk score	9.905E-01	9.905E-01	9.740E-01	9.820E-01	9.758E-01	9.741E-01	9.816E-01	9.881E-01	9.078E-01	8.662E-01	9.990E-01	9.182E-01
ADP	Local	0.00E+00	0.00E+00	1.33E-02	1.09E-15	5.21E-17	3.20E-03	1.66E-02	4.72E-03	3.76E-04	1.88E-01	3.81E-02	-4.97E-17
	Min	-4.07E-15	-8.24E-15	2.77E-03	-2.60E-14	-1.97E-14	9.88E-04	6.22E-03	1.85E-03	5.08E-05	5.99E-02	1.78E-02	-2.91E-15
	Max	2.24E-15	1.84E-14	4.21E-02	2.66E-14	1.77E-14	9.47E-03	4.31E-02	1.14E-02	1.97E-03	2.61E-01	8.10E-02	6.09E-16
	Normalized peak height	6.32E-01	6.99E-01	4.64E-03	9.54E-03	1.17E-02	4.50E-03	4.47E-03	4.41E-03	5.63E-03	4.73E-03	3.78E-03	3.17E-01
	Peak sensitivity value	3.16E-18	-3.67E-18	1.12E-02	1.78E-16	-1.75E-17	2.73E-03	1.49E-02	4.48E-03	2.19E-04	1.90E-01	3.90E-02	1.27E-18
	Shapiro-Wilk score	6.218E-01	1.836E-01	9.558E-01	9.702E-01	9.609E-01	9.628E-01	9.673E-01	9.757E-01	8.836E-01	9.962E-01	9.884E-01	9.007E-01
Glyceraldehyde 3-phosphate	Local	0.00E+00	0.00E+00	-5.32E-01	7.05E-15	-4.91E-15	5.03E-02	2.61E-01	7.42E-02	5.92E-03	-1.10E-01	1.05E-01	1.80E-17
	Min	-4.71E-14	-9.10E-14	-1.03E+00	-2.75E-13	-1.63E-13	1.42E-02	9.65E-02	2.73E-02	1.14E-03	-1.94E-01	3.54E-02	-3.29E-16
	Max	2.19E-14	1.45E-13	-1.90E-01	2.03E-13	1.38E-13	1.18E-01	4.68E-01	1.64E-01	1.92E-02	9.44E-02	1.98E-01	5.13E-16
	Normalized peak height	6.65E-01	7.16E-01	3.43E-03	1.47E-02	3.08E-02	3.68E-03	3.43E-03	3.91E-03	4.02E-03	7.66E-03	4.10E-03	3.15E-01
	Peak sensitivity value	-2.70E-17	1.01E-16	-4.74E-01	-2.16E-16	-6.18E-17	4.44E-02	2.33E-01	6.64E-02	3.95E-03	-1.09E-01	1.03E-01	-1.57E-19
	Shapiro-Wilk score	2.671E-01	4.691E-02	9.902E-01	9.673E-01	9.569E-01	9.824E-01	9.953E-01	9.869E-01	9.457E-01	9.595E-01	9.895E-01	9.302E-01
Dihydroxyacetone phosphate	Local	0.00E+00	0.00E+00	-4.89E-01	6.32E-15	-3.90E-15	4.23E-02	2.20E-01	6.25E-02	4.99E-03	-1.06E-01	1.13E-01	1.69E-17
	Min	-4.67E-14	-9.36E-14	-9.60E-01	-1.36E-13	-1.82E-13	1.21E-02	7.05E-02	2.01E-02	8.25E-04	-1.85E-01	2.85E-02	-2.97E-16
	Max	2.61E-14	2.18E-13	-1.76E-01	2.27E-13	1.33E-13	1.01E-01	4.23E-01	1.49E-01	2.11E-02	9.81E-02	2.00E-01	6.78E-16
	Normalized peak height	6.86E-01	7.55E-01	3.23E-03	1.69E-02	3.95E-02	3.78E-03	3.50E-03	3.99E-03	5.12E-03	7.93E-03	4.22E-03	3.19E-01
	Peak sensitivity value	-6.11E-18	8.24E-17	-4.37E-01	-3.59E-17	-3.94E-17	4.05E-02	2.16E-01	5.68E-02	3.98E-03	-1.03E-01	1.06E-01	2.60E-19
	Shapiro-Wilk score	2.609E-01	4.651E-02	9.847E-01	9.664E-01	9.489E-01	9.811E-01	9.944E-01	9.867E-01	9.372E-01	9.394E-01	9.942E-01	9.052E-01
Glucose-6-Phosphate	Local	0.00E+00	0.00E+00	-1.74E-02	-1.37E-15	-6.86E-17	-4.17E-03	-2.17E-02	-6.16E-03	-4.92E-04	-7.52E-01	-4.97E-02	-2.72E-17
	Min	-7.90E-15	-1.63E-14	-5.04E-02	-4.82E-14	-2.93E-14	-1.09E-02	-4.64E-02	-1.44E-02	-2.19E-03	-8.20E-01	-1.28E-01	-1.80E-15
	Max	3.07E-15	2.05E-14	7.51E-02	2.91E-14	2.83E-14	2.11E-02	9.64E-02	2.15E-02	4.14E-03	-4.70E-01	1.12E-01	3.70E-16
	Normalized peak height	6.47E-01	7.09E-01	9.85E-03	1.23E-02	1.49E-02	1.02E-02	1.03E-02	9.13E-03	1.42E-02	5.48E-03	6.22E-03	3.14E-01
	Peak sensitivity value	-4.57E-18	-6.57E-18	-1.46E-02	-3.11E-16	4.62E-19	-3.69E-03	-1.83E-02	-5.46E-03	-2.83E-04	-7.56E-01	-4.57E-02	-1.52E-19
	Shapiro-Wilk score	6.118E-01	1.696E-01	9.557E-01	9.729E-01	9.612E-01	9.621E-01	9.423E-01	9.498E-01	9.184E-01	9.484E-01	9.804E-01	8.484E-01
NAD	Local	0.00E+00	0.00E+00	2.72E-01	-3.23E-15	2.80E-15	-2.73E-02	-1.42E-01	-4.03E-02	-3.22E-03	-9.68E-03	-2.81E-02	2.62E-18
	Min	-2.50E-14	-5.44E-14	8.05E-02	-1.08E-13	-8.71E-14	-8.16E-02	-3.23E-01	-1.11E-01	-1.42E-02	-8.79E-02	-8.56E-02	-6.94E-17
	Max	2.22E-14	8.32E-14	6.31E-01	1.18E-13	8.90E-14	-6.24E-03	-4.27E-02	-1.09E-02	-5.19E-04	2.21E-02	-6.82E-03	1.76E-16
	Normalized peak height	6.63E-01	7.48E-01	3.86E-03	1.32E-02	2.80E-02	4.17E-03	3.65E-03	4.40E-03	5.10E-03	6.95E-03	3.96E-03	3.17E-01
	Peak sensitivity value	1.99E-17	8.93E-18	2.37E-01	1.94E-17	-9.55E-18	-2.44E-02	-1.21E-01	-3.67E-02	-1.81E-03	-5.46E-03	-2.17E-02	4.35E-20
	Shapiro-Wilk score	1.675E-01	4.099E-02	9.755E-01	9.541E-01	9.375E-01	9.688E-01	9.830E-01	9.756E-01	9.245E-01	9.317E-01	9.490E-01	7.986E-01
Extracellular acetaldehyde	Local	0.00E+00	0.00E+00	2.84E-01	-5.10E-15	7.94E-15	6.82E-02	-4.25E-01	-1.21E-01	-9.62E-03	-7.39E-02	1.27E-01	1.05E-17
	Min	-2.69E-14	-8.64E-14	8.60E-02	-1.19E-13	-8.55E-14	2.23E-02	-6.43E-01	-1.92E-01	-4.98E-02	-1.37E-01	4.38E-02	-2.94E-16
	Max	4.70E-14	1.56E-13	5.04E-01	1.07E-13	9.73E-14	1.41E-01	-2.44E-01	-6.67E-02	-1.99E-03	1.15E-01	2.13E-01	4.05E-16
	Normalized peak height	6.59E-01	7.27E-01	3.45E-03	8.66E-03	2.05E-02	3.91E-03	3.76E-03	3.22E-03	5.93E-03	1.07E-02	3.93E-03	3.15E-01
	Peak sensitivity value	1.87E-18	-9.28E-17	2.86E-01	1.82E-17	-6.57E-17	6.54E-02	-4.26E-01	-1.24E-01	-6.56E-03	-7.14E-02	1.21E-01	8.29E-20
	Shapiro-Wilk score	3.311E-01	6.364E-02	9.989E-01	9.890E-01	9.790E-01	9.924E-01	9.947E-01	9.946E-01	9.112E-01	8.258E-01	9.966E-01	9.141E-01
Phosphoenolpyruvate	Local	0.00E+00	0.00E+00	-3.77E-03	4.71E-15	-1.00E-15	-9.07E-04	-4.72E-03	-1.34E-03	-1.07E-04	-5.20E-02	6.64E-02	9.58E-18
	Min	-2.65E-14	-1.37E-14	-2.06E-02	-2.52E-14	-2.00E-14	-5.22E-03	-2.66E-02	-5.76E-03	-1.06E-03	-7.69E-02	2.15E-02	-2.01E-16
	Max	1.93E-14	1.67E-14	-1.06E-03	3.21E-14	2.67E-14	-2.61E-04	-1.44E-03	-4.14E-04	-1.60E-05	6.90E-02	1.09E-01	2.30E-15
	Normalized peak height	6.86E-01	7.10E-01	7.52E-03	8.11E-03	1.57E-02	8.19E-03	9.22E-03	7.48E-03	1.03E-02	1.20E-02	3.50E-03	3.16E-01
	Peak sensitivity value	1.79E-17	-8.83E-18	-3.05E-03	6.22E-18	6.94E-18	-7.64E-04	-4.19E-03	-1.29E-03	-6.46E-05	-5.16E-02	6.75E-02	3.22E-19
	Shapiro-Wilk score	1.750E-01	2.312E-01	8.970E-01	9.796E-01	9.682E-01	9.072E-01	8.926E-01	9.150E-01	8.325E-01	7.700E-01	9.990E-01	5.671E-01

Fructose-6-Phosphate																							
Local	1.24E-02	3.33E-03	9.67E-01	8.44E-02	-3.38E-01	-8.95E-16	5.90E-03	1.29E-02	1.11E-03	3.34E-03	-2.13E-15	1.18E-01	0.00E+00	0.00E+00	-2.01E-02	-1.59E-15	-7.98E-17	-4.83E-03	-2.81E-02	-7.13E-03	-5.69E-04	-7.58E-01	-5.75E-02	-2.80E-17
Min	1.05E-03	6.39E-04	3.92E-02	4.55E-02	-3.48E+00	-7.68E-15	-2.45E-02	-6.01E-02	-3.99E-03	-1.02E-02	-1.62E-14	-6.50E-01	-2.37E-15	-1.29E-14	-5.73E-02	-3.25E-14	-3.29E-14	-1.24E-02	-5.28E-02	-1.52E-02	-2.56E-03	-8.31E-01	-1.33E-01	-3.16E-15
Max	1.58E+00	2.75E-01	4.40E+00	1.43E-01	-1.61E-01	7.75E-15	1.46E-02	3.13E-03	3.34E-03	1.53E-02	1.59E-14	3.21E-01	3.52E-15	1.67E-14	8.51E-02	4.22E-14	2.52E-14	1.64E-02	8.20E-02	2.51E-02	3.34E-03	-4.77E-01	1.10E-01	6.36E-16
Normalized peak height	1.45E-01	4.80E-02	2.86E-02	3.62E-03	1.72E-02	8.81E-02	9.47E-03	1.07E-02	9.07E-03	8.72E-03	3.57E-02	1.17E-02	6.45E-01	7.08E-01	1.04E-02	1.02E-02	1.34E-02	8.55E-03	9.07E-03	9.43E-03	1.16E-02	5.59E-03	6.20E-03	3.14E-01
Peak sensitivity value	3.41E-03	2.42E-03	9.39E-01	7.54E-02	-2.72E-01	-3.38E-18	4.88E-03	1.08E-02	8.13E-04	2.34E-03	1.05E-17	8.49E-02	1.52E-18	1.03E-17	-1.68E-02	-1.33E-17	4.72E-18	-3.58E-03	-2.34E-02	-6.88E-03	-3.56E-04	-7.62E-01	-6.10E-02	9.19E-19
Shapiro-Wilk score	3.486E-01	5.128E-01	7.394E-01	9.848E-01	7.167E-01	9.439E-01	9.662E-01	9.553E-01	9.610E-01	9.568E-01	9.690E-01	9.332E-01	6.795E-01	2.216E-01	9.625E-01	9.750E-01	9.648E-01	9.664E-01	9.456E-01	9.493E-01	9.212E-01	9.460E-01	9.794E-01	8.246E-01
Extracellular cyanide																							
Local	-1.89E-03	-8.11E-04	-1.47E-01	-6.48E-04	-7.85E-03	4.27E-16	6.15E-03	1.34E-02	1.19E-03	3.48E-03	6.32E-16	1.23E-01	0.00E+00	0.00E+00	-2.09E-02	3.66E-16	-5.96E-16	-5.03E-03	3.14E-02	-6.50E-02	7.46E-02	5.46E-03	-9.35E-03	-7.74E-19
Min	-3.19E-01	-4.55E-02	-5.01E-01	-3.75E-03	-1.43E-01	-3.51E-15	1.27E-03	3.16E-03	2.29E-04	5.24E-04	-1.00E-14	2.98E-02	-2.71E-15	-1.66E-14	-6.45E-02	-1.28E-14	-8.00E-15	-1.30E-02	7.78E-03	-1.85E-01	2.47E-02	-1.32E-02	-3.27E-02	-6.41E-17
Max	-6.40E-05	-3.76E-05	-5.27E-03	-1.19E-04	-1.39E-03	3.47E-15	2.03E-02	4.03E-02	3.78E-03	1.40E-02	8.90E-15	4.52E-01	8.95E-16	6.83E-15	-5.00E-03	1.10E-14	1.04E-14	-1.47E-03	1.31E-01	-2.20E-02	2.27E-01	1.93E-02	-2.35E-03	2.40E-17
Normalized peak height	1.85E-01	5.64E-02	5.13E-03	6.87E-03	1.99E-02	2.08E-02	4.77E-03	4.10E-03	4.69E-03	5.25E-03	7.26E-02	4.94E-03	6.56E-01	7.67E-01	4.43E-03	1.44E-02	2.69E-02	4.03E-03	5.65E-03	4.56E-03	4.41E-03	8.41E-03	4.92E-03	3.15E-01
Peak sensitivity value	-5.42E-04	-2.42E-04	-9.87E-02	-4.76E-04	-4.30E-03	1.20E-17	4.93E-03	1.06E-02	7.95E-04	2.17E-03	-5.60E-18	8.53E-02	1.25E-19	6.46E-18	-1.75E-02	-5.94E-20	5.13E-18	-4.42E-03	2.20E-02	-5.41E-02	5.97E-02	3.89E-03	-8.16E-03	-3.07E-20
Shapiro-Wilk score	3.317E-01	4.999E-01	9.371E-01	8.738E-01	6.697E-01	9.083E-01	9.489E-01	9.616E-01	9.469E-01	9.279E-01	9.460E-01	9.220E-01	4.668E-01	4.980E-02	9.571E-01	9.663E-01	9.576E-01	9.685E-01	9.092E-01	9.493E-01	9.442E-01	9.471E-01	9.396E-01	7.710E-01
Pyruvate																							
Local	9.01E-01	3.88E-01	7.04E+01	2.28E-01	2.76E+00	-6.96E-14	4.07E-02	8.91E-02	7.64E-03	2.31E-02	-7.79E+01	8.15E-01	0.00E+00	0.00E+00	-1.39E-01	-5.18E-14	1.49E-13	-3.34E-02	-1.73E-01	-4.93E-02	-3.93E-03	-1.87E+00	4.59E+00	2.26E-16
Min	3.63E-03	2.07E-03	3.13E-01	5.23E-03	5.91E-02	-2.59E-11	-4.22E-03	-9.14E-03	-8.88E-04	-2.37E-03	-1.21E+05	-9.05E-02	-4.71E-14	-1.77E-13	-1.19E+02	-3.63E-10	-2.28E-10	-4.21E+01	-2.12E+02	-4.58E+01	-6.32E+00	-1.32E+03	1.51E-01	-1.32E-11
Max	4.60E+04	6.80E+03	5.41E+04	4.68E+02	6.33E+03	7.31E-11	3.49E+01	7.40E+01	6.77E+00	1.98E+01	-2.90E+00	1.04E+03	1.69E-14	1.24E-13	1.41E-02	7.67E-11	1.19E-10	2.93E-03	1.57E-02	4.30E-03	3.02E-04	1.70E+02	7.65E+03	3.05E-12
Normalized peak height	9.96E-01	9.95E-01	9.40E-01	9.77E-01	9.76E-01	7.56E-01	9.21E-01	9.17E-01	9.24E-01	9.23E-01	9.73E-01	9.48E-01	6.71E-01	7.52E-01	9.20E-01	9.64E-01	8.98E-01	9.53E-01	9.52E-01	9.33E-01	9.60E-01	9.27E-01	9.75E-01	9.99E-01
Peak sensitivity value	2.30E+01	3.40E+00	2.74E+01	2.39E-01	3.23E+00	-4.73E-14	1.32E-02	2.78E-02	2.50E-03	7.53E-03	-6.36E+01	4.31E-01	-2.12E-17	1.43E-16	-4.53E-02	-9.32E-14	1.48E-13	-1.81E-02	-9.04E-02	-1.86E-02	-2.86E-03	-6.86E-01	3.97E+00	-1.09E-15
Shapiro-Wilk score	2.183E-03	2.340E-03	1.622E-02	8.631E-03	1.081E-02	8.522E-03	2.106E-02	2.117E-02	1.819E-02	1.877E-02	1.004E-02	1.628E-02	5.844E-01	1.396E-01	2.042E-02	7.435E-03	8.191E-03	1.389E-02	1.467E-02	1.555E-02	1.295E-02	2.249E-02	8.734E-03	8.517E-04
Extracellular ethanol																							
Local	1.01E-02	1.37E-03	7.92E-01	2.93E-03	2.81E-02	-3.81E-16	9.18E-03	2.01E-02	1.72E-03	5.20E-03	-1.74E-16	1.34E-01	-3.41E-16	-1.00E+00	-3.13E-02	-1.12E-16	1.29E-15	-7.52E-03	-3.91E-02	-1.11E-02	-8.85E-04	-1.39E-02	5.21E-02	2.13E-18
Min	9.26E-04	5.27E-04	3.24E-02	8.97E-04	9.11E-03	-3.38E-15	2.24E-03	5.86E-03	4.56E-04	9.97E-04	-7.31E-15	6.64E-02	-3.14E-15	-1.00E+00	-7.80E-02	-8.50E-15	-7.83E-15	-1.74E-02	-7.32E-02	-1.95E-02	-4.13E-03	-4.55E-02	1.65E-02	-2.35E-17
Max	7.32E-01	1.67E-01	9.01E-01	6.43E-03	2.47E-01	2.71E-15	2.30E-02	4.95E-02	5.12E-03	1.66E-02	6.80E-15	4.90E-01	3.49E-15	-1.00E+00	-8.11E-03	9.09E-15	1.00E-14	-2.79E-03	-1.83E-02	-5.43E-03	-1.38E-04	7.64E-02	9.43E-02	1.17E-16
Normalized peak height	8.40E-02	3.55E-02	7.17E-03	4.90E-03	1.38E-02	2.53E-02	3.99E-03	4.12E-03	4.22E-03	4.30E-03	7.99E-02	3.42E-03	5.32E-01	1.00E+00	4.03E-03	6.88E-03	1.49E-02	3.54E-03	3.10E-03	2.89E-03	5.13E-03	1.10E-02	3.25E-03	3.14E-01
Peak sensitivity value	2.75E-03	2.27E-03	8.41E-01	2.28E-03	2.30E-02	-1.01E-19	7.50E-03	1.74E-02	1.34E-03	3.84E-03	6.87E-18	1.48E-01	-9.74E-19	-1.00E+00	-2.82E-02	-4.77E-17	1.17E-17	-7.05E-03	-3.54E-02	-1.10E-02	-6.03E-04	-2.05E-02	5.70E-02	2.69E-20
Shapiro-Wilk score	3.645E-01	5.465E-01	6.967E-01	9.587E-01	7.655E-01	9.302E-01	9.709E-01	9.753E-01	9.608E-01	9.453E-01	9.812E-01	9.321E-01	8.831E-01	1.000E+00	9.717E-01	9.845E-01	9.726E-01	9.752E-01	9.827E-01	9.882E-01	9.088E-01	8.674E-01	9.986E-01	9.044E-01
Extracellular glycerol																							
Local	2.51E-02	1.08E-02	1.96E+00	8.63E-03	1.04E-01	8.14E-15	-8.18E-02	-1.79E-01	-1.53E-02	-4.63E-02	1.49E-14	-1.64E+00	0.00E+00	0.00E+00	2.79E-01	9.72E-15	-1.00E+00	6.70E-02	3.48E-01	9.89E-02	7.89E-03	-7.27E-02	1.24E-01	1.03E-17
Min	1.81E-03	1.07E-03	1.01E-01	3.99E-03	4.49E-02	-6.45E-14	-1.94E-01	-3.27E-01	-3.26E-02	-1.27E-01	-1.31E-13	-2.38E+00	-5.59E-14	-3.29E-13	8.12E-02	-2.18E-13	-1.00E+00	2.14E-02	1.64E-01	3.31E-02	2.34E-03	-1.37E-01	5.20E-02	-6.67E-16
Max	2.13E+00	3.88E-01	2.77E+00	2.23E-02	9.26E-01	6.23E-14	-1.96E-02	-5.43E-02	-5.37E-03	-1.06E-02	1.31E-13	-1.12E+00	5.42E-14	1.42E-13	4.92E-01	2.14E-13	-1.00E+00	1.43E-01	5.27E-01	1.83E-01	2.03E-02	1.15E-01	2.01E-01	4.62E-16
Normalized peak height	9.71E-02	3.42E-02	6.21E-03	4.32E-03	1.42E-02	1.35E-02	3.69E-03	3.31E-03	4.13E-03	4.11E-03	5.03E-02	3.19E-03	6.55E-01	7.45E-01	3.17E-03	1.25E-02	1.00E+00	3.80E-03	3.61E-03	3.63E-03	3.78E-03	1.10E-02	3.86E-03	3.15E-01
Peak sensitivity value	7.12E-03	4.35E-03	1.80E+00	7.77E-03	8.59E-02	2.28E-16	-7.60E-02	-1.80E-01	-1.39E-02	-4.01E-02	8.00E-18	-1.55E+00	-2.05E-17	-1.09E-16	2.56E-01	1.76E-16	-1.00E+00	6.50E-02	3.62E-01	9.79E-02	5.92E-03	-6.92E-02	1.18E-01	-5.21E-19
Shapiro-Wilk score	3.600E-01	5.433E-01	8.122E-01	9.504E-01	7.179E-01	9.427E-01	9.880E-01	9.976E-01	9.886E-01	9.744E-01	9.421E-01	9.843E-01	2.021E-01	3.588E-02	9.988E-01	9.822E-01	1.000E+00	9.917E-01	9.988E-01	9.975E-01	9.704E-01	8.189E-01	9.974E-01	8.519E-01
Extracellular glucose																							
Local	2.57E+00	-1.40E-02	-2.53E+00	-3.55E-03	-4.30E-02	8.97E-17	-5.98E-04	-1.31E-03	-1.12E-04	-3.38E-04	2.12E-16	-1.20E-02	0.00E+00	0.00E+00	2.04E-03	1.65E-16	1.51E-17	4.89E-04	2.54E-03	7.23E-04	5.76E-05	2.55E-02	5.83E-03	-3.53E-18
Min	9.07E-01	-1.43E+00	-1.19E+01	-6.16E-02	-1.80E+00	-6.78E-15	-2.28E-02	-5.44E-02	-4.72E-03	-9.00E-03	-8.51E-15	-5.20E-01	-2.21E-15	-1.17E-15	-1.52E-02	-3.09E-14	-1.89E-14	-4.33E-03	-1.75E-02	-4.90E-03	-6.98E-04	-7.08E-01	-3.78E-02	-6.52E-16
Max	1.29E-01	-7.09E-04	-7.47E-01	-6.02E-04	-6.62E-03	4.74E-15	4.66E-03	9.31E-03	9.34E-04	3.05E-03	1.02E-14	1.15E-01	1.04E-15	1.63E-15	7.91E-02	2.06E-14	2.07E-14	1.40E-02	7.40E-02	1.98E-02	3.36E-03	1.96E-01	9.78E-02	3.56E-16
Normalized peak height	6.24E-03	1.08E-01	6.37E-03	1.92E-02	4.32E-02	1.15E-01	4.77E-02	4.86E-02	5.11E-02	3.64E-02	8.41E-02	5.46E-02	6.81E-01	7.01E-01	4.62E-02	7.50E-02	8.90E-02	3.89E-02	3.81E-02	3.58E-02	6.90E-02	4.11E-02	2.55E-02	3.16E-01
Peak sensitivity value	1.46E+00	-2.85E-03	-1.46E+00	-1.55E-03	-1.83E-02	-2.99E-18	-2.30E-04	-5.90E-04	-4.73E-05	-1.35E-04	-6.36E-18	-4.68E-03	-3.99E-19	1.40E-19	8.68E-04	2.39E-17	1.61E-17	2.20E-04	1.21E-03	3.74E-04	1.86E-05	1.46E-02	3.24E-03	2.19E-20
Shapiro-Wilk score	8.183E-01	3.491E-01	8.269E-01	6.036E-01	5.138E-01	5.726E-01	6.212E-01	6.052E-01	6.054E-01	6.398E-01	6.143E-01	5.614E-01	2.668E-01	1.753E-01	6.156E-01	5.952E-01	5.830E-01	6.134E-01	6.152E-01	6.381E-01	5.372E-01	3.913E-01	6.959E-01	5.594E-01
1-3-Bisphosphoglycerate																							
Local	1.07E-02	4.61E-03	8.37E-01	4.44E-02	5.38E-01	5.30E-16	8.28E-03	1.81E-02	-2.84E-01	-8.56E-01	3.50E-14	1.66E-01	0.00E+00	0.00E+00	-2.82E-02	6.06E-16	-4.86E-16	-6.78E-03	-3.52E-02	-1.00E-02	-7.98E-04	-3.98E-01	-7.28E-03	7.56E-17
Min	-5.91E-01	-8.56E-02	-1.88E+00	2.49E-02	3.08E-01	-1.72E-14	2.02E-03	4.93E-03	-4.81E-01	-1.09E+00	-1.50E-13	5.20E-02	-1.19E-14	-1.63E-14	-1.16E-01	-8.24E-14	-6.30E-14	-3.00E-02	-1.31E-01	-3.49E-02	-6.23E-03	-4.96E-01	-1.48E-01	-5.43E-16
Max	8.72E-01	1.88E-01	1.13E+00	7.71E-02	2.76E+00	3.14E-14	3.48E-02	7.63E-02	-1.57E-01	-5.87E-01	1.23E-13	9.44E-01	1.92E-14	3.75E-14	-8.72E-03	8.85E-14	6.08E-14	-2.15E-03	-1.42E-02	-4.41E-03	-1.22E-04	-2.88E-01	1.62E-02	4.76E-15
Normalized peak height	1.52E-01	5.63E-02	1.00E-02	3.71E-03	1.02E-02	5.32E-02	6.04E-03	6.10E-03	2.96E-03	2.98E-03	1.83E-02	7.16E-03	6.61E-01	6.98E-01	6.02E-03	1.24E-02	1.41E-02	6.37E-03	6.06E-03	6.21E-03	8.17E-03	5.55E-03	7.41E-03	3.17E-01
Peak sensitivity value	3.89E-03	2.06E-03	9.48E-01	4.06E-02	4.32E-01	5.60E-18	6.56E-03	1.44E-02	-3.01E-01	-1.73E-18	1.21E-01	-1.73E-18	-1.73E-18	-1.70E-17	-2.66E-02	-6.27E-16	-2.49E-17	-5.34E-03	-2.91E-02	-8.73E-03	-4.79E-04	-4.00E-01	-2.17E-03	3.12E-19
Shapiro-Wilk score	3.602E-01	5.768E-01	8.135E-01	9.863E-01	7.751E-01	9.718E-01	9.162E-01	9.184E-01	9.940E-01	9.983E-01	9.777E-01	8.657E-01	2.741E-01	1.035E-01	9.214E-01	9.650E-01	9.509E-01	9.256E-01	9.189E-01	9.336E-01	8.513E-01	9.978E-01	8.796E-01	8.720E-01
Fructose 1-6-bisphosphate																							
Local	4.60E-02	1.98E-02	3.59E+00	2.43E-02	2.94E-01	-9.76E-02	-8.09E-02	-1.00E+00	-8.59E-02	-2.59E-01	2.20E-14	-2.18E+00	0.00E+00	0.00E+00	-9.76E-01	1.28E-14	-8.40E-15	8.90E-02	4.65E-01	1.31E-01	1.05E-02	-2.10E-01	2.16E-01	3.37E-17
Min	3.38E-03	1.97E-03	1.88E-01	9.00E-03	1.14E-01	-2.31E-01	-3.51E-01	-1.56E+00	-1.64E-01	-6.19E-01	-1.50E-13	-4.78E+00	-8.03E-14	-2.97E-13	-1.98E+00	-3.04E-13	-2.67E-13	2.69E-02	1.67E-01	4.63E-02	2.00E-03	-3.56E-01	7.76E-02	-2.04E-16
Max	4.54E+00	7.72E-01	5.90E+00	6.50E-02	2.37E+00	-4.00E-02	1.50E-01	-4.21E-01	-3.93E-02	-6.95E-02	1.46E-13	-7.48E-01	5.81E-14	3.38E-13	-3.59E-01	4.30E-13	2.71E-13	2.24E-01	8.23E-01	2.75E-01	3.88E-02	1.35E-01	4.04E-01	3.14E-15
Normalized peak height	1.16E-01	3.78E-02	6.52E-03	4.68E-03	1.25E-02	3.82E-03	3.23E-03	3.23E-03	3.80E-03	3.80E-03	4.63E-02	3.33E-03	6.81E-01	7.56E-01	3.31E-03	1.34E-02	3.62E-02	3.92E-03	3.21E-03	3.52E-03	4.45E-03	7.02E-03	4.15E-03	3.15E-01
Peak sensitivity value	1.02E-02	8.52E-03	3.23E+00	2.22E-02	2.30E-01	-9.25E-02	-8.63E-02	-9.52E-01	-8.13E-02	-2.35E-01	4.82E-17	-1.81E+00	4.24E-17	-3.12E-16	-9.55E-01	3.25E-16	7.10E-17	8.22E-02	4.25E-01	1.14E-01	7.62E-03	-2.01E-01	2.08E-01	-1.60E-18
Shapiro-Wilk score	3.599E-01	5.413E-01	8.993E-01	9.604E-01	7.349E-01	9.795E-01	9.991E-01	9.988E-01	9.900E-01	9.774E-01	9.621E-01	9.717E-01	3.048E-01	3.693E-02	9.851E-01	9.649E-01	9.540E-01	9.804E-01	9.947E-01	9.871E-01	9.381E-01	9.508E-01	9.925E-01	8.231E-01
AMP																							
Local	4.17E-03	1.79E-03	3.23E-01	-6.74E-02	-8.16E-01	2.40E-15	-1.26E-02	-2.76E-02	-2.37E-03	-7.14E-03	6.43E-15	-2.52E-01	0.00E+00	0.00E+00	4.30E-02	3.70E-15	2.03E-16	1.10E-02	5.31E-02	1.92E-02	1.22E-03	6.08E-01	1.23E-01	6.38E-17
Min	-1.38E-03	-9.82E-04	-1.16E-01	-1.17E-01	-4.09E+00	-2.37E-14	-5.48E-02	-1.14E-01	-1.44E-02	-4.29E-02	-3.61E-14	-1.44E+00	-1.38E-14	-4.15E-14	1.19E-02	-1.34E-13	-1.03E-13	3.58E-03	2.26E-02	6.37E-03	1.75E-04	4.44E-01	7.48E-02	-1.46E-15
Max	2.23E+00	2.26E-01	4.49E+00	-3.96E-02	-5.06E-01	3.40E-14	-3.14E-03	-7.71E-03	-5.89E-04	-1.29E-03	8.30E-14	-7.73E-02	2.40E-14	3.22E-14	1.94E-01	8.91E-14	8.04E-14	5.17E-02	2.10E-01	5.25E-02	9.11E-03	7.16E-01	2.92E-01	7.34E-15
Normalized peak height	3.09E-01	1.18E-01	1.02E-02	3.66E-03	9.99E-03	8.20E-02	6.28E-03	6.62E-03	8.06E-03	7.64E-03	6.92E-02	7.34E-03	6.66E-01	7.14E-01	6.45E-03	1.25E-02	1.53E-02	7.89E-03	6.37E-03	6.05E-03	7.79E-03	7.19E-03	4.76E-03	3.16E-01
Peak sensitivity value	-2.65E-04	2.69E-04	1.22E-01	-6.38E-02	-6.40E-01	-5.11E-18	-1.08E-02	-2.31E-02	-1.84E-03	-5.55E-03	5.87E-17	-1.83E-01	-1.69E-17	-9.73E-18	3.75E-02	7.30E-16	-5.57E-17	8.70E-03	4.33E-02	1.42E-02	7.42E-04	6.08E-01	1.24E-01	-3.83E-18
Shapiro-Wilk score	2.862E-01	3.961E-01	8.033E-01	9.867E-01	7.766E-01	9.414E-01	9.230E-01	9.223E-01	9.166E-01	9.189E-01	9.593E-01	8.674E-01	5.088E-01	2.075E-01	9.242E-01	9.575E-01	9.480E-01	9.285E-01	9.224E-01	9.385E-01	8.554E-01	9.949E-01	9.786E-01	7.781E-01
ATP																							
Local	-1.59E-03	-6.83E-04	-1.24E-01	2.57E-02	3.11E-01	-8.56E-16	1.80E-03	1.05E-02	9.01E-04	2.72E-03	-2.17E-15	9.61E-02	0.00E+00	0.00E+00	-1.64E-02	-1.37E-15	-6.97E-17	-3.93E-03	-2.04E-02	-5.81E-03	-4.63E-04	-2.32E-01	-4.68E-02	2.35E-17
Min	-1.16E+00	-2.42E-01	-2.83E+00	1.35E-02	1.40E-01	-1.38E-14	1.14E-03	2.32E-03	2.13E-04	5.51E-04	-2.64E-14	2.65E-02	-5.53E-15	-1.96E-14	-1.19E-01	-4.94E-14	-4.71E-14	-2.61E-02	-1.29E-01	-3.31E-02	-5.91E-03	-4.86E-01	-1.72E-01	-5.04E-16
Max	5.80E-04	2.77E-04	4.08E-02	5.81E-02	2.63E+00	1.67E-14	3.39E-02	8.18E-02	6.81E-03	1.56E-02	2.21E-14	9.26E-01	3.86E-15	2.47E-14	-3.62E-03	5.30E-14	5.58E-14	-1.14E-03	-7.70E-03	-2.23E-03	-6.44E-05	-1.56E-01	-2.82E-02	4.26E-15
Normalized peak height	4.27E-01	3.16E-01	1.65E-02	4.03E-03	1.39E-02	8.72E-02	9.31E-03	1.02E-02	9.79E-03	6.93E-03	3.68E-02	1.14E-02	6.46E-01	6.94E-01	9.77E-03	1.48E-02	2.33E-02	8.48E-03	9.42E-03	8.50E-03	1.25E-02	5.33E-03	6.70E-03	3.15E-01
Peak sensitivity value	-2.51E-07	5.61E-05	4.68E-02	2.37E-02	2.41E-01	-5.93E-18	3.45E-03	8.56E-03	6.91E-04	2.19E-03	3.34E-17	6.38E-02	3.02E-18	2.06E-17	-1.23E-02	4.44E-17	6.60E-17	-3.00E-03	1.69E-02	-5.15E-03	-3.01E-04	-2.29E-01	-4.65E-02	-6.73E-19
Shapiro-Wilk score	2.607E-01	3.189E-01	6.985E-01	9.608E-01	7.194E-01	8.930E-01	8.431E-01	8.341E-01	8.354E-01	8.756E-01	9.305E-01	7.770E-01	5.301E-01	1.572E-01	8.413E-01	9.223E-01	9.015E-01	8.479E-01	8.313E-01	8.549E-01	7.689E-01	9.509E-01	9.070E-01	7.169E-01
NADH																							
Local	9.35E-03	4.03E-03	7.30E-01	-1.86E-03	-2.25E-02	6.21E-15	1.54E-01	3.36E-01	2.88E-02	8.69E-02	1.30E-14	-1.28E+00	0.00E+00	0.00E+00	-5.23E-01	6.20E-15	-5.37E-15	5.25E-02	2.73E-01	7.75E-02	6.18E-03	1.86E-02	5.39E-02	-5.02E-18
Min	4.73E-04	2.86E-04	2.95E-02	-8.73E-03	-1.32E-01	-5.70E-14	6.26E-02	1.83E-01	1.07E-02	2.27E-02	-1.31E-13	-1.67E+00	-3.46E-14	-1.98E-13	-6.84E-01	-1.72E-13	-1.02E-13	1.55E-02	1.10E-01	2.52E-02	1.91E-03	-2.63E-02	2.12E-02	-1.69E-16
Max	8.83E-01	1.52E-01	1.24E+00	5.52E-03	2.03E-01	3.99E-14	2.92E-01	4.89E-01	6.04E-02	2.07E-01	1.17E-13	-7.04E-01	4.58E-14	1.51E-13	-2.93E-01	1.76E-13	1.20E-13	1.15E-01	4.12E-01	1.51E-01	1.44E-02	9.90E-02	9.67E-02	1.12E-16
Normalized peak height	1.12E-01	3.75E-02	4.35E-03	4.98E-03	9.74E-03	1.42E-02	3.63E-03	3.65E-03	4.11E-03	3.61E-03	8.49E-02	4.11E-03	6.70E-01	7.71E-01	4.53E-03	9.85E-03	2.12E-02	3.74E-03	3.38E-03	3.17E-03	3.65E-03	4.64E-03	3.53E-03	3.17E-01
Peak sensitivity value	1.80E-03	1.57E-03	6.55E-01	-1.41E-03	-2.11E-02	2.02E-17	1.43E-01	3.37E-01	2.82E-02	7.62E-02	1.03E-16	-1.25E+00	2.65E-19	-1.88E-17	-5.23E-01	5.40E-16	1.02E-16	5.28E-02	2.90E-01	7.68E-02	4.92E-03	1.67E-02	4.93E-02	1.24E-19
Shapiro-Wilk score	3.562E-01	5.340E-01	9.829E-01	9.970E-01	9.551E-01	9.304E-01	9.911E-01	9.999E-01	9.901E-01	9.838E-01	9.258E-01	9.989E-01	1.750E-01	3.418E-02	9.926E-01	9.823E-01	9.737E-01	9.939E-01	9.929E-01	9.985E-01	9.754E-01	9.925E-01	9.902E-01	9.067E-01

Table S21: Concentration control coefficients for *Saccharomyces cerevisiae* model with parameter variation of ±30%

Metabolite	Statistic	(GlucoseMixedflowtoextracellularmedium)	(Glucoseuptake)	(Hexokinase)	(Phosphoglucoisomerase)	(Phosphofructokinase)	(Aldolase)	(Triosephosphateisomerase)	(Glyceraldehyde3-phosphatedehydrogenase)	(Phosphoenolpyruvatesynthesis)	(Pyruvatekinase)	(Pyruvatedecarboxylase)	(Alcoholdehydrogenase)
Acetaldehyde	Local	2.55E-02	1.10E-02	1.99E+00	8.76E-03	1.06E-01	-5.75E-15	-8.30E-02	-1.82E-01	-1.56E-02	-4.70E-02	-7.51E-15	-1.66E+00
	Min	-1.73E-03	-3.06E-03	-8.26E-03	6.30E-04	3.49E-02	-6.47E-14	-2.84E-01	-4.02E-01	-4.16E-02	-1.72E-01	-4.10E-13	-2.85E+00
	Max	2.78E+00	9.27E-01	3.13E+00	5.35E-02	2.38E+00	5.73E-14	-5.12E-03	-2.87E-02	-2.03E-03	-2.90E-03	2.72E-13	-9.64E-01
	Normalized peak height	1.33E-01	7.54E-02	5.20E-03	8.57E-03	2.85E-02	3.05E-02	4.00E-03	3.14E-03	4.04E-03	4.59E-03	1.24E-01	3.69E-03
	Peak sensitivity value	5.22E-03	2.99E-03	1.67E+00	7.05E-03	7.36E-02	6.79E-18	-6.81E-02	-1.63E-01	-1.38E-02	-3.20E-02	2.57E-16	-1.48E+00
	Shapiro-Wilk score	4.817E-01	4.917E-01	8.374E-01	8.717E-01	4.190E-01	8.629E-01	9.739E-01	9.944E-01	9.752E-01	9.456E-01	7.019E-01	9.753E-01
Cytosolic glucose	Local	2.04E+00	8.77E-01	-3.34E+00	7.30E-03	8.83E-02	4.39E-16	-2.81E-03	-6.15E-03	-5.28E-04	-1.59E-03	1.00E-15	-5.63E-02
	Min	1.10E-01	5.77E-02	-1.56E+04	-1.94E+01	-2.53E+02	-3.87E-13	-7.11E+00	-1.41E+01	-1.30E+00	-5.54E+00	-2.29E-13	-9.51E+01
	Max	1.39E+04	1.89E+03	-5.12E-01	3.22E+00	1.51E+02	4.93E-13	5.66E-01	1.06E+00	7.13E-02	1.46E-01	4.47E-12	2.52E+01
	Normalized peak height	9.67E-01	9.06E-01	9.64E-01	6.80E-01	7.80E-01	6.68E-01	4.86E-01	7.92E-01	7.93E-01	6.13E-01	8.71E-01	6.51E-01
	Peak sensitivity value	7.06E+00	1.00E+00	-8.30E+00	-8.69E-04	8.74E-02	-1.95E-16	1.50E-03	-6.45E-03	-4.92E-04	1.03E-03	-8.65E-16	-2.15E-02
	Shapiro-Wilk score	9.640E-03	1.587E-02	1.072E-02	3.762E-02	8.865E-02	8.091E-02	2.774E-02	3.452E-02	3.049E-02	1.815E-02	1.529E-02	5.469E-02
Glycerol	Local	2.51E-02	1.08E-02	1.96E+00	8.63E-03	1.04E-01	8.13E-15	-8.18E-02	-1.79E-01	-1.53E-02	-4.63E-02	1.53E-14	-1.64E+00
	Min	-1.36E-02	-2.97E-03	-3.67E-02	8.02E-04	2.83E-02	-6.62E-14	-2.76E-01	-3.81E-01	-4.04E-02	-1.61E-01	-3.10E-13	-2.89E+00
	Max	2.58E+00	1.01E+00	3.02E+00	5.13E-02	2.39E+00	7.72E-14	-6.04E-03	-2.77E-02	-2.40E-03	-1.86E-03	3.28E-13	-9.44E-01
	Normalized peak height	1.38E-01	8.39E-02	5.29E-03	8.10E-03	2.80E-02	2.40E-02	3.80E-03	2.96E-03	4.07E-03	4.13E-03	1.10E-01	3.50E-03
	Peak sensitivity value	3.24E-03	2.61E-03	1.66E+00	7.40E-03	7.19E-02	-3.03E-18	-5.91E-02	-1.63E-01	-1.26E-02	-3.43E-02	-1.14E-16	-1.45E+00
	Shapiro-Wilk score	4.872E-01	5.002E-01	8.298E-01	8.741E-01	4.286E-01	8.943E-01	9.733E-01	9.943E-01	9.744E-01	9.486E-01	7.872E-01	9.771E-01
EtOH	Local	1.01E-02	4.37E-03	7.92E-01	2.32E-03	2.81E-02	-3.86E-16	9.18E-03	2.01E-02	1.72E-03	5.20E-03	-7.43E-17	1.84E-01
	Min	4.04E-04	2.23E-04	-3.64E-02	1.77E-04	2.34E-03	-6.90E-15	1.40E-03	2.69E-03	1.94E-04	2.44E-04	-2.79E-14	3.81E-02
	Max	8.64E-01	3.51E-01	9.20E-01	1.44E-02	8.48E-01	3.45E-15	4.11E-02	7.87E-02	8.76E-03	3.11E-02	1.84E-14	7.10E-01
	Normalized peak height	1.06E-01	6.43E-02	6.25E-03	8.24E-03	3.28E-02	3.81E-02	5.64E-03	4.71E-03	5.76E-03	6.48E-03	1.35E-01	4.48E-03
	Peak sensitivity value	1.70E-03	1.45E-03	8.61E-01	2.05E-03	2.22E-02	-2.81E-18	7.15E-03	1.60E-02	1.28E-03	3.81E-03	-1.58E-17	9.02E-02
	Shapiro-Wilk score	4.856E-01	5.066E-01	7.422E-01	8.704E-01	4.304E-01	8.695E-01	9.332E-01	9.429E-01	9.162E-01	8.857E-01	8.435E-01	8.795E-01
ADP	Local	1.29E-03	5.55E-04	1.01E-01	-2.09E-02	-2.53E-01	6.63E-16	-3.90E-03	-8.54E-03	-7.33E-04	-2.21E-03	1.57E-15	-7.81E-02
	Min	-1.15E+00	-2.53E-01	-1.30E+00	-5.02E-02	-1.99E+00	-1.01E-14	-2.76E-02	-5.27E-02	-4.32E-03	-1.82E-02	-4.81E-14	-5.28E-01
	Max	1.26E+00	2.99E-01	1.90E+00	7.44E-03	1.30E+00	1.09E-14	1.89E-02	4.40E-02	3.09E-03	4.55E-03	2.73E-14	4.63E-01
	Normalized peak height	5.69E-01	4.70E-01	2.79E-02	5.34E-03	2.41E-02	9.93E-02	1.32E-02	1.33E-02	1.09E-02	1.06E-02	1.29E-01	1.33E-02
	Peak sensitivity value	-9.36E-05	2.80E-05	2.75E-03	-1.67E-02	-2.01E-01	9.81E-18	-2.25E-03	-6.10E-03	-5.43E-04	-1.12E-03	1.44E-17	-4.00E-02
	Shapiro-Wilk score	3.896E-01	3.453E-01	7.503E-01	9.819E-01	7.435E-01	8.755E-01	8.950E-01	9.134E-01	8.964E-01	8.701E-01	8.175E-01	8.650E-01
Glyceraldehyde 3-phosphate	Local	2.26E-02	9.73E-03	1.76E+00	1.27E-02	1.54E-01	6.19E-15	1.56E-01	-5.55E-01	-4.76E-02	-1.44E-01	1.37E-14	-1.23E+00
	Min	-1.30E-01	-6.21E-02	-5.24E-01	6.53E-04	4.10E-02	-4.40E-14	2.66E-02	-1.00E+00	-1.14E-01	-4.84E-01	-3.21E-13	-3.25E+00
	Max	2.91E+00	1.12E+00	4.34E+00	5.87E-02	2.86E+00	6.57E-14	4.33E-01	-1.01E-01	-7.88E-03	-1.07E-02	3.05E-13	-2.49E-01
	Normalized peak height	1.49E-01	1.01E-01	7.56E-03	6.22E-03	2.18E-02	2.22E-02	3.95E-03	2.72E-03	4.14E-03	4.05E-03	1.28E-01	3.51E-03
	Peak sensitivity value	5.22E-03	2.14E-03	1.38E+00	9.56E-03	1.04E-01	-2.17E-17	1.23E-01	-5.76E-01	-4.43E-02	-1.07E-01	-2.09E-16	-8.66E-01
	Shapiro-Wilk score	4.847E-01	4.884E-01	9.164E-01	9.206E-01	4.788E-01	8.976E-01	9.790E-01	9.959E-01	9.810E-01	9.546E-01	7.803E-01	9.632E-01
Dihydroxyacetone phosphate	Local	2.40E-02	1.03E-02	1.88E+00	1.23E-02	1.49E-01	5.18E-15	-2.24E-01	-4.91E-01	-4.21E-02	-1.27E-01	1.04E-14	-1.03E+00
	Min	-1.80E-01	-7.79E-02	-3.58E-01	9.54E-04	4.01E-02	-3.69E-14	-6.60E-01	-9.24E-01	-1.06E-01	-4.81E-01	-1.74E-13	-2.95E+00
	Max	3.19E+00	1.12E+00	3.71E+00	5.48E-02	2.78E+00	3.41E-14	-2.42E-02	-9.65E-02	-1.01E-02	-9.76E-03	2.54E-13	-1.31E-01
	Normalized peak height	1.79E-01	1.00E-01	6.56E-03	6.29E-03	2.27E-02	1.67E-02	3.68E-03	3.13E-03	4.14E-03	4.66E-03	1.12E-01	3.78E-03
	Peak sensitivity value	3.36E-03	3.21E-03	1.52E+00	1.05E-02	9.62E-02	-5.49E-18	-2.10E-01	-4.72E-01	-3.47E-02	-8.26E-02	1.48E-16	-7.68E-01
	Shapiro-Wilk score	4.859E-01	5.029E-01	8.838E-01	9.156E-01	4.730E-01	9.067E-01	9.809E-01	9.977E-01	9.787E-01	9.516E-01	7.993E-01	9.559E-01
Glucose-6-Phosphate	Local	1.37E-02	5.88E-03	1.07E+00	-2.72E-02	-3.29E-01	-8.33E-16	5.10E-03	1.11E-02	9.57E-04	2.89E-03	-1.82E-15	1.02E-01
	Min	5.09E-04	3.03E-04	-3.68E-01	-8.95E-02	-7.57E+00	-2.18E-14	-9.18E-02	-1.59E-01	-1.53E-02	-3.15E-02	-1.55E-13	-1.75E+00
	Max	5.90E+00	1.34E+00	8.74E+00	-1.88E-03	-1.24E-01	2.86E-14	2.18E-02	4.84E-02	5.29E-03	2.28E-02	8.88E-14	4.37E-01
	Normalized peak height	3.77E-01	1.73E-01	4.79E-02	5.21E-03	3.11E-02	1.16E-01	2.03E-02	1.75E-02	1.90E-02	1.55E-02	1.85E-01	2.17E-02
	Peak sensitivity value	3.46E-03	2.31E-03	1.01E+00	-2.23E-02	-2.25E-01	3.62E-18	3.03E-03	8.49E-03	5.26E-04	1.45E-03	1.22E-16	6.24E-02
	Shapiro-Wilk score	4.623E-01	3.590E-01	6.271E-01	9.419E-01	4.951E-01	6.504E-01	6.854E-01	6.629E-01	7.159E-01	8.716E-01	5.965E-01	6.402E-01
NAD	Local	-4.87E-03	-2.10E-03	-3.80E-01	9.66E-04	1.17E-02	-3.24E-15	-8.00E-02	-1.75E-01	-1.50E-02	-4.53E-02	-6.78E-15	6.68E-01
	Min	-1.23E+00	-3.52E-01	-1.81E+00	-1.20E-02	-9.67E-01	-2.69E-14	-2.64E-01	-7.39E-01	-1.27E-01	-3.03E-01	-1.18E-13	1.21E-01
	Max	-4.88E-05	-3.80E-05	1.10E-02	1.18E-02	5.33E-01	3.06E-14	-9.95E-03	-2.59E-02	-8.01E-04	-1.33E-03	2.55E-13	2.33E+00
	Normalized peak height	3.19E-01	1.49E-01	5.76E-03	1.25E-02	5.99E-02	2.56E-02	3.85E-03	4.71E-03	7.12E-03	5.99E-03	1.62E-01	4.06E-03
	Peak sensitivity value	-6.65E-04	-5.66E-04	-1.74E-01	1.94E-04	4.24E-03	1.82E-17	-6.59E-02	-1.20E-01	-6.81E-03	-2.71E-02	-1.49E-16	3.81E-01
	Shapiro-Wilk score	4.447E-01	4.544E-01	9.148E-01	9.115E-01	4.336E-01	8.903E-01	9.564E-01	9.243E-01	8.663E-01	8.730E-01	8.006E-01	9.363E-01
Extracellular acetaldehyde	Local	2.55E-02	1.10E-02	1.99E+00	8.78E-03	1.06E-01	-5.73E-15	-8.32E-02	-1.82E-01	-1.56E-02	-4.71E-02	-8.63E-15	-1.67E+00
	Min	-4.67E-04	-7.71E-04	-3.50E-02	5.57E-04	3.34E-02	-6.79E-14	-2.86E-01	-4.03E-01	-4.45E-02	-2.29E-01	-2.36E-13	-2.82E+00
	Max	2.73E+00	9.39E-01	3.03E+00	5.83E-02	2.49E+00	5.22E-14	-5.33E-03	-3.24E-02	-1.74E-03	-2.28E-03	3.01E-13	-9.65E-01
	Normalized peak height	1.44E-01	7.52E-02	4.76E-03	8.97E-03	2.91E-02	2.91E-02	3.88E-03	3.15E-03	4.61E-03	6.11E-03	1.24E-01	3.42E-03
	Peak sensitivity value	3.64E-03	3.46E-03	1.67E+00	6.77E-03	7.15E-02	2.79E-19	-5.80E-02	-1.79E-01	-1.37E-02	-3.01E-02	3.56E-17	-1.46E+00
	Shapiro-Wilk score	4.879E-01	5.058E-01	8.416E-01	8.746E-01	4.323E-01	8.683E-01	9.724E-01	9.940E-01	9.740E-01	9.438E-01	7.005E-01	9.757E-01
Phosphoenolpyruvate	Local	1.38E-02	5.93E-03	1.08E+00	6.08E-03	7.36E-02	2.62E-15	1.11E-03	2.42E-03	2.08E-04	-1.20E+00	7.14E-14	2.22E-02
	Min	5.30E-04	3.31E-04	-2.70E-01	1.94E-04	3.17E-02	-7.00E-14	-1.11E-03	-1.95E-03	-2.20E-04	-1.45E+00	-3.69E-13	-2.33E-02
	Max	1.18E+00	5.04E-01	1.28E+00	2.34E-02	1.16E+00	6.18E-14	1.77E-02	3.59E-02	3.76E-03	-1.10E+00	3.71E-13	3.32E-01
	Normalized peak height	1.10E-01	7.07E-02	1.14E-02	6.99E-03	2.36E-02	7.21E-02	1.74E-02	1.60E-02	1.99E-02	3.79E-03	2.60E-01	1.71E-02
	Peak sensitivity value	2.31E-03	2.10E-03	1.04E+00	5.92E-03	5.27E-02	4.78E-17	7.59E-04	1.74E-03	1.40E-04	-1.17E+00	-3.28E-16	1.28E-02
	Shapiro-Wilk score	4.899E-01	5.103E-01	6.493E-01	9.333E-01	4.734E-01	8.650E-01	6.151E-01	6.059E-01	6.225E-01	9.524E-01	8.576E-01	5.761E-01

Metabolite	Statistic	(Ethanolout)	(Ethanolflow)	(Glycerolsynthesis)	(Glycerolout)	(Glycerolflow)	(Acetaldehydeout)	(Acetaldehydeflow)	(Cyanide-Acetaldehydeflow)	(Cyanideflow)	(Storage)	(ATPconsumption)	(Adenylatekinase)
Acetaldehyde	Local	0.00E+00	0.00E+00	2.83E-01	-5.12E-15	7.96E-15	-6.23E-02	-3.24E-01	-9.20E-02	-7.34E-03	-7.38E-02	1.26E-01	1.05E-17
	Min	-2.44E-13	-1.70E-12	2.76E-02	-1.49E-13	-1.63E-13	-1.89E-01	-6.63E-01	-2.03E-01	-7.87E-02	-2.05E-01	-1.56E-03	-3.98E-16
	Max	3.42E-13	2.76E-12	5.94E-01	1.53E-13	2.02E-13	-1.50E-02	-1.21E-01	-2.85E-02	-4.97E-04	4.89E-01	2.56E-01	5.08E-16
	Normalized peak height	6.66E-01	9.04E-01	3.14E-03	1.49E-02	4.25E-02	4.40E-03	3.71E-03	3.29E-03	1.02E-02	1.74E-02	3.94E-03	2.89E-01
	Peak sensitivity value	1.92E-16	1.66E-15	2.80E-01	1.49E-16	3.59E-17	-5.30E-02	-3.06E-01	-8.29E-02	-3.90E-03	-6.84E-02	1.15E-01	1.31E-19
	Shapiro-Wilk score	1.606E-01	9.244E-02	9.972E-01	9.594E-01	9.306E-01	9.671E-01	9.848E-01	9.839E-01	8.118E-01	7.233E-01	9.882E-01	8.881E-01
Cytosolic glucose	Local	0.00E+00	0.00E+00	9.58E-03	7.63E-16	4.37E-17	2.30E-03	1.20E-02	3.40E-03	2.71E-04	3.43E-01	2.74E-02	7.34E-18
	Min	-7.22E-13	-4.34E-13	-1.41E+00	-2.72E-12	-3.03E-12	-7.50E-01	-3.40E+00	-8.86E-01	-1.21E-01	5.20E-02	-1.75E+00	-1.81E-13
	Max	2.92E-14	2.09E-13	2.47E+01	1.57E-12	1.34E-12	6.68E+00	2.19E+01	6.29E+00	5.86E-01	4.09E+02	7.75E+01	1.73E-15
	Normalized peak height	8.99E-01	8.62E-01	8.10E-01	4.33E-01	7.50E-01	8.66E-01	4.99E-01	6.54E-01	7.48E-01	6.49E-01	8.41E-01	9.96E-01
	Peak sensitivity value	2.53E-16	-2.36E-16	1.11E-02	2.12E-15	-7.41E-16	3.57E-03	2.08E-02	1.14E-03	2.20E-04	2.57E-01	3.39E-02	-6.97E-18
	Shapiro-Wilk score	9.335E-03	5.045E-02	3.040E-02	8.925E-02	6.095E-02	2.498E-02	3.875E-02	3.440E-02	4.897E-02	3.299E-02	1.648E-02	1.472E-03
Glycerol	Local	0.00E+00	0.00E+00	2.79E-01	-5.98E-01	-4.02E-01	6.70E-02	3.48E-01	9.89E-02	7.89E-03	-7.27E-02	1.24E-01	1.03E-17
	Min	-2.97E-13	-2.86E-12	3.43E-02	-7.79E-01	-6.31E-01	1.22E-02	9.24E-02	1.67E-02	1.06E-03	-2.00E-01	-1.70E-03	-5.88E-16
	Max	4.91E-13	2.48E-12	5.94E-01	-3.69E-01	-2.21E-01	1.89E-01	5.80E-01	2.33E-01	2.76E-02	4.86E-01	2.59E-01	4.02E-15
	Normalized peak height	7.00E-01	9.42E-01	3.00E-03	2.64E-03	2.64E-03	3.71E-03	3.38E-03	3.46E-03	4.34E-03	1.71E-02	4.32E-03	2.92E-01
	Peak sensitivity value	1.38E-16	-1.57E-15	2.86E-01	-6.11E-01	-3.89E-01	6.27E-02	3.41E-01	9.22E-02	5.22E-03	-7.05E-02	1.19E-01	1.99E-20
	Shapiro-Wilk score	1.753E-01	1.240E-01	9.971E-01	9.943E-01	9.943E-01	9.812E-01	9.978E-01	9.934E-01	9.393E-01	7.352E-01	9.894E-01	3.366E-01
EtOH	Local	-1.45E-01	-8.55E-01	-3.13E-02	-1.63E-16	1.29E-15	-7.52E-03	-3.91E-02	-1.11E-02	-8.85E-04	-1.89E-02	5.21E-02	2.13E-18
	Min	-2.87E-01	-9.39E-01	-1.20E-01	-2.29E-14	-2.18E-14	-2.70E-02	-1.06E-01	-3.08E-02	-7.69E-03	-6.77E-02	7.95E-05	-7.29E-17
	Max	-6.12E-02	-7.13E-01	-5.14E-03	2.34E-14	2.31E-14	-1.70E-03	-1.16E-02	-3.59E-03	-5.64E-05	1.89E-01	1.23E-01	1.24E-16
	Normalized peak height	2.84E-03	2.84E-03	4.50E-03	2.15E-02	3.90E-02	4.42E-03	3.91E-03	3.97E-03	8.16E-03	1.31E-02	3.15E-03	2.89E-01
	Peak sensitivity value	-1.21E-01	-8.79E-01	-2.22E-02	-1.99E-17	1.65E-17	-6.09E-03	-3.21E-02	-8.84E-03	-4.34E-04	-1.99E-02	5.15E-02	1.92E-20
	Shapiro-Wilk score	9.814E-01	9.814E-01	9.373E-01	9.201E-01	8.874E-01	9.453E-01	9.639E-01	9.742E-01	8.335E-01	8.012E-01	9.982E-01	8.988E-01
ADP	Local	0.00E+00	0.00E+00	1.33E-02	1.09E-15	5.21E-17	3.20E-03	1.66E-02	4.72E-03	3.76E-04	1.88E-01	3.81E-02	-4.97E-17
	Min	-1.86E-14	-6.90E-14	-6.59E-02	-5.72E-14	-4.15E-14	-1.80E-02	-6.07E-02	-1.37E-02	-3.35E-03	-1.86E-01	-3.16E-02	-5.08E-15
	Max	2.57E-14	1.70E-13	8.93E-02	5.78E-14	4.88E-14	1.84E-02	7.83E-02	2.01E-02	4.11E-03	3.02E-01	1.34E-01	1.37E-15
	Normalized peak height	5.22E-01	7.85E-01	1.26E-02	2.68E-02	3.43E-02	1.32E-02	1.14E-02	1.00E-02	1.79E-02	7.19E-03	6.46E-03	2.86E-01
	Peak sensitivity value	-2.07E-17	-2.84E-17	8.55E-03	4.32E-18	-5.38E-18	2.17E-03	1.30E-02	3.70E-03	1.58E-04	1.81E-01	3.75E-02	-2.66E-18
	Shapiro-Wilk score	2.831E-01	1.439E-01	9.141E-01	8.949E-01	8.664E-01	9.172E-01	9.189E-01	9.300E-01	8.212E-01	8.903E-01	9.781E-01	7.869E-01
Glyceraldehyde 3-phosphate	Local	0.00E+00	0.00E+00	-5.32E-01	7.05E-15	-4.91E-15	5.03E-02	2.61E-01	7.42E-02	5.92E-03	-1.10E-01	1.05E-01	1.80E-17
	Min	-1.84E-13	-1.00E-12	-1.45E+00	-2.85E-13	-2.39E-13	7.52E-03	5.45E-02	1.28E-02	3.95E-04	-2.40E-01	-3.08E-02	-7.35E-16
	Max	2.61E-13	1.43E-12	-1.22E-01	3.38E-13	3.86E-13	1.75E-01	5.69E-01	2.17E-01	3.11E-02	4.25E-01	2.75E-01	9.55E-16
	Normalized peak height	6.60E-01	9.48E-01	3.47E-03	2.59E-02	5.33E-02	4.30E-03	3.26E-03	3.93E-03	5.60E-03	1.05E-02	4.89E-03	2.87E-01
	Peak sensitivity value	1.38E-16	2.36E-16	-4.95E-01	-1.32E-16	-6.89E-17	3.91E-02	2.28E-01	6.14E-02	3.02E-03	-1.09E-01	9.21E-02	-7.77E-19
	Shapiro-Wilk score	1.869E-01	1.305E-01	9.804E-01	8.992E-01	8.721E-01	9.589E-01	9.894E-01	9.731E-01	8.966E-01	8.674E-01	9.869E-01	8.926E-01
Dihydroxyacetone phosphate	Local	0.00E+00	0.00E+00	-4.89E-01	6.32E-15	-3.90E-15	4.23E-02	2.20E-01	6.25E-02	4.99E-03	-1.06E-01	1.13E-01	1.69E-17
	Min	-2.94E-13	-5.58E-13	-1.31E+00	-2.75E-13	-2.50E-13	4.45E-03	3.06E-02	6.68E-03	2.64E-04	-2.55E-01	-2.35E-02	-7.57E-16
	Max	2.13E-13	6.74E-13	-9.55E-02	2.29E-13	2.97E-13	1.68E-01	4.81E-01	1.81E-01	3.22E-02	4.67E-01	2.64E-01	2.56E-15
	Normalized peak height	6.89E-01	7.61E-01	3.61E-03	2.76E-02	5.37E-02	4.89E-03	3.24E-03	4.03E-03	6.62E-03	1.22E-02	4.55E-03	2.85E-01
	Peak sensitivity value	1.95E-16	5.84E-16	-4.58E-01	-5.77E-17	-5.83E-17	3.14E-02	2.00E-01	5.93E-02	2.74E-03	-1.04E-01	1.08E-01	-1.25E-19
	Shapiro-Wilk score	1.816E-01	1.585E-01	9.690E-01	8.955E-01	8.557E-01	9.558E-01	9.875E-01	9.718E-01	8.829E-01	8.469E-01	9.870E-01	7.258E-01
Glucose-6-Phosphate	Local	0.00E+00	0.00E+00	-1.74E-02	-1.37E-15	-6.86E-17	-4.17E-03	-2.17E-02	-6.16E-03	-4.92E-04	-7.52E-01	-4.97E-02	-2.72E-17
	Min	-2.58E-14	-1.12E-13	-7.60E-02	-1.97E-13	-2.43E-13	-1.78E-02	-7.02E-02	-1.88E-02	-4.41E-03	-8.95E-01	-1.83E-01	-2.38E-15
	Max	1.76E-14	1.69E-13	2.58E-01	1.45E-13	8.87E-14	4.64E-02	2.93E-01	6.58E-02	1.33E-02	1.67E-02	2.38E-01	7.85E-16
	Normalized peak height	5.35E-01	7.26E-01	1.75E-02	7.35E-02	1.06E-01	1.35E-02	1.71E-02	1.38E-02	2.99E-02	9.06E-03	7.03E-03	2.91E-01
	Peak sensitivity value	1.18E-17	-1.14E-16	-1.44E-02	-1.03E-16	6.08E-17	-3.29E-03	-1.78E-02	-5.14E-03	-2.43E-04	-7.47E-01	-5.10E-02	-1.01E-18
	Shapiro-Wilk score	3.064E-01	1.530E-01	7.020E-01	6.954E-01	6.826E-01	7.281E-01	6.759E-01	7.056E-01	6.526E-01	8.253E-01	9.080E-01	8.664E-01
NAD	Local	0.00E+00	0.00E+00	2.72E-01	-3.23E-15	2.80E-15	-2.73E-02	-1.42E-01	-4.03E-02	-3.22E-03	-9.68E-03	-2.81E-02	2.62E-18
	Min	-8.41E-14	-4.90E-13	5.33E-02	-2.92E-13	-1.70E-13	-1.16E-01	-4.57E-01	-1.43E-01	-1.88E-02	-2.26E-01	-1.40E-01	-1.03E-16
	Max	1.30E-13	5.23E-13	7.94E-01	3.13E-13	1.76E-13	-3.10E-03	-2.33E-02	-6.02E-03	-2.36E-04	4.34E-02	-3.22E-04	3.64E-16
	Normalized peak height	6.81E-01	9.39E-01	3.16E-03	4.15E-02	5.49E-02	4.88E-03	4.08E-03	4.29E-03	5.78E-03	1.26E-02	5.76E-03	3.21E-01
	Peak sensitivity value	-7.06E-17	-1.72E-16	2.10E-01	-2.93E-16	1.35E-16	-2.06E-02	-1.12E-01	-3.01E-02	-1.68E-03	-4.06E-03	-1.55E-02	-2.12E-19
	Shapiro-Wilk score	1.807E-01	1.443E-01	9.557E-01	8.531E-01	8.239E-01	9.340E-01	9.649E-01	9.467E-01	8.653E-01	8.605E-01	9.070E-01	6.847E-01
Extracellular acetaldehyde	Local	0.00E+00	0.00E+00	2.84E-01	-5.10E-15	7.94E-15	6.82E-02	-4.25E-01	-1.21E-01	-9.62E-03	-7.39E-02	1.27E-01	1.05E-17
	Min	-1.47E-13	-1.49E-12	3.19E-02	-1.58E-13	-1.45E-13	9.23E-03	-7.65E-01	-2.37E-01	-7.46E-02	-1.96E-01	-1.69E-03	-3.29E-16
	Max	4.66E-13	8.47E-13	5.76E-01	1.76E-13	1.55E-13	1.89E-01	-1.89E-01	-4.98E-02	-8.72E-04	4.64E-01	2.73E-01	5.87E-16
	Normalized peak height	6.82E-01	7.63E-01	2.90E-03	1.83E-02	3.56E-02	4.17E-03	3.44E-03	3.25E-03	7.55E-03	1.60E-02	4.09E-03	2.88E-01
	Peak sensitivity value	-1.02E-17	1.09E-15	2.86E-01	-1.11E-17	-4.83E-17	5.76E-02	-3.86E-01	-1.15E-01	-4.74E-03	-6.79E-02	1.14E-01	7.89E-20
	Shapiro-Wilk score	1.558E-01	1.176E-01	9.969E-01	9.635E-01	9.355E-01	9.793E-01	9.899E-01	9.898E-01	8.349E-01	7.393E-01	9.893E-01	8.737E-01
Phosphoenolpyruvate	Local	0.00E+00	0.00E+00	-3.77E-03	4.71E-15	-1.00E-15	-9.07E-04	-4.72E-03	-1.34E-03	-1.07E-04	-5.20E-02	6.64E-02	9.58E-18
	Min	-1.10E-13	-1.84E-13	-5.96E-02	-5.71E-14	-5.28E-14	-1.23E-02	-5.20E-02	-1.40E-02	-3.31E-03	-1.02E-01	2.21E-04	-2.51E-16
	Max	1.16E-13	1.13E-13	3.57E-03	8.89E-14	4.54E-14	1.15E-03	5.84E-03	1.24E-03	2.13E-04	2.50E-01	1.29E-01	9.13E-16
	Normalized peak height	6.21E-01	7.15E-01	1.71E-02	2.77E-02	4.24E-02	1.58E-02	1.43E-02	1.37E-02	2.73E-02	1.73E-02	3.48E-03	2.86E-01
	Peak sensitivity value	1.13E-16	-4.54E-17	-3.03E-03	6.28E-17	2.90E-17	-6.52E-04	-3.73E-03	-1.16E-03	-5.32E-05	-5.53E-02	6.88E-02	-5.15E-19
	Shapiro-Wilk score	1.596E-01	1.478E-01	6.315E-01	9.091E-01	8.851E-01	6.378E-01	6.147E-01	6.348E-01	5.588E-01	7.192E-01	9.900E-01	8.282E-01

Fructose-6-Phosphate																							
Local	1.24E-02	5.33E-03	9.07E-01	8.44E-02	-3.38E-01	-8.95E-16	5.90E-03	1.29E-02	1.11E-03	3.34E-03	-2.13E-15	1.18E-01	0.00E+00	0.00E+00	-2.01E-02	-1.59E-15	-7.98E-17	-4.83E-03	-2.81E-02	-7.43E-03	-5.69E-04	-7.58E-01	-5.75E-02	-2.80E-17
Min	4.68E-04	3.13E-04	-1.32E+00	3.54E-02	-7.57E+00	-3.27E-14	-8.27E-02	-1.95E-01	-2.22E-02	-3.42E-02	-6.84E-14	-1.79E+00	-1.21E-13	-1.96E-13	-8.83E-02	-1.86E-13	-1.00E-13	-1.75E-02	-7.40E-02	-1.93E-02	-5.15E-03	-8.96E-01	-2.05E-01	-2.02E-15
Max	7.89E+00	1.38E+00	8.57E+00	1.90E-01	-1.31E-01	2.78E-14	2.33E-02	4.67E-02	5.59E-03	2.37E-02	1.14E-13	4.86E-01	4.93E-14	2.84E-14	3.49E-01	1.58E-13	8.31E-14	5.43E-02	2.51E-01	7.19E-02	1.54E-02	1.89E-01	3.36E-01	8.45E-16
Normalized peak height	4.62E-01	1.81E-01	4.41E-02	3.89E-03	3.10E-02	1.08E-01	1.75E-02	1.81E-02	2.40E-02	1.50E-02	1.35E-01	2.01E-02	6.15E-01	7.21E-01	2.05E-02	6.37E-02	5.38E-02	1.43E-02	1.43E-02	1.38E-02	3.09E-02	1.02E-02	8.62E-03	2.90E-01
Peak sensitivity value	4.41E-03	2.38E-03	9.37E-01	7.27E-02	-2.32E-01	-7.15E-18	3.86E-03	8.61E-03	6.26E-04	1.52E-03	-5.53E-17	5.87E-02	-1.21E-17	6.10E-17	-1.45E-02	-1.13E-16	-6.47E-17	-3.51E-03	-2.00E-02	-5.73E-03	-2.19E-04	-7.66E-01	-5.54E-02	-1.32E-18
Shapiro-Wilk score	4.465E-01	3.471E-01	6.149E-01	9.696E-01	4.945E-01	7.028E-01	7.158E-01	6.840E-01	7.216E-01	8.849E-01	7.160E-01	6.652E-01	1.900E-01	1.513E-01	7.183E-01	7.593E-01	7.468E-01	7.356E-01	6.919E-01	7.171E-01	6.830E-01	8.279E-01	9.101E-01	8.514E-01
Extracellular cyanide																							
Local	-1.89E-03	-8.11E-04	-1.47E-01	-6.48E-04	-7.85E-03	4.27E-16	6.15E-03	1.34E-02	1.15E-03	3.48E-03	6.32E-16	1.23E-01	0.00E+00	0.00E+00	-2.09E-02	3.66E-16	-5.96E-16	-5.03E-03	3.14E-02	-6.50E-02	7.46E-02	5.46E-03	-9.35E-03	-7.74E-19
Min	-5.26E-01	-1.37E-01	-7.27E-01	-9.40E-03	-5.02E-01	-7.60E-15	4.51E-04	1.08E-03	1.08E-04	1.42E-04	-2.14E-14	1.53E-02	-1.50E-14	-6.82E-14	-9.22E-02	-2.20E-14	-2.03E-14	-1.75E-02	2.88E-03	-2.82E-01	1.33E-02	-5.85E-02	-4.92E-02	-3.90E-17
Max	9.75E-05	6.69E-05	1.08E-03	-5.73E-05	-6.09E-04	4.17E-15	3.15E-02	5.42E-02	6.36E-03	2.55E-02	2.26E-14	6.69E-01	9.97E-15	5.29E-14	-1.52E-03	4.26E-14	2.86E-14	-8.21E-04	2.07E-01	-1.23E-02	3.48E-01	4.06E-02	1.20E-04	2.12E-17
Normalized peak height	2.86E-01	1.75E-01	6.56E-03	1.33E-02	5.74E-02	4.75E-02	5.87E-03	4.95E-03	6.84E-03	8.62E-03	1.24E-01	6.08E-03	6.34E-01	8.92E-01	5.16E-03	4.19E-02	6.47E-02	4.49E-03	7.17E-03	5.47E-03	5.45E-03	1.88E-02	6.02E-03	2.86E-01
Peak sensitivity value	-1.66E-04	-1.39E-04	-7.14E-02	-3.24E-04	-3.37E-03	-1.76E-18	3.29E-03	9.07E-03	6.43E-04	1.80E-03	-2.89E-18	7.25E-02	2.42E-19	2.39E-17	-1.41E-02	1.96E-17	3.56E-18	-4.15E-03	1.99E-02	-5.24E-02	5.90E-02	3.21E-03	-5.92E-03	4.48E-21
Shapiro-Wilk score	4.372E-01	4.390E-01	8.902E-01	7.599E-01	3.889E-01	8.005E-01	8.925E-01	9.223E-01	8.968E-01	8.457E-01	6.597E-01	8.737E-01	1.487E-01	1.088E-01	9.136E-01	8.611E-01	8.220E-01	9.425E-01	8.372E-01	9.089E-01	8.986E-01	8.530E-01	8.871E-01	8.470E-01
Pyruvate																							
Local	9.01E-01	3.88E-01	7.04E+01	2.28E-01	2.76E+00	-6.96E-14	4.07E-02	8.91E-02	7.64E-03	2.31E-02	-7.79E+01	8.15E-01	0.00E+00	0.00E+00	-1.39E-01	-5.18E-14	1.49E-13	-3.34E-02	-1.73E-01	-4.93E-02	-3.93E-03	-1.87E+00	4.59E+00	2.26E-16
Min	1.31E-03	9.71E-04	-7.50E-03	2.10E-03	3.57E-02	-6.95E-12	-3.71E-01	-1.13E+00	-6.90E-02	-1.48E-01	-4.06E+04	-5.53E+00	-6.70E-11	-2.32E-12	-2.14E+02	-3.79E-11	-2.26E-11	-5.31E+01	-2.20E+02	-6.89E+01	-9.49E+00	-7.10E+02	9.85E-04	-4.65E-14
Max	2.99E+04	1.04E+03	1.79E+04	9.63E+01	6.37E+03	8.56E-12	6.20E+01	1.59E+02	1.15E+01	1.38E+01	-2.09E+00	1.66E+03	2.13E-12	9.63E-11	1.76E+00	5.53E-11	3.45E-11	2.29E-01	1.09E+00	3.20E-01	3.25E-02	3.66E+02	2.52E+03	1.86E-12
Normalized peak height	9.90E-01	9.49E-01	8.81E-01	8.95E-01	9.68E-01	4.87E-01	5.68E-01	9.67E-01	6.59E-01	7.89E-01	9.36E-01	9.52E-01	9.96E-01	9.94E-01	9.59E-01	5.58E-01	8.44E-01	9.52E-01	5.77E-01	9.04E-01	9.49E-01	8.60E-01	9.40E-01	9.95E-01
Peak sensitivity value	1.50E+01	5.19E-01	8.96E+00	5.02E-02	3.22E+00	7.69E-15	-2.74E-02	6.94E-02	6.13E-03	-1.96E-03	-2.24E+01	2.99E-01	2.38E-14	-7.11E-15	-7.59E-02	4.43E-14	-1.03E-14	-1.12E-02	9.29E-02	7.89E-03	-8.08E-04	-5.74E-01	1.26E+00	1.75E-16
Shapiro-Wilk score	3.696E-03	1.913E-02	2.646E-02	2.952E-02	1.451E-02	5.595E-02	1.460E-02	1.339E-02	1.510E-02	2.546E-02	2.306E-02	1.444E-02	7.160E-04	1.046E-03	1.528E-02	4.877E-02	1.503E-02	1.428E-02	1.815E-02	1.558E-02	1.295E-02	2.678E-02	1.847E-02	1.168E-03
Extracellular ethanol																							
Local	1.01E-02	1.37E-03	7.92E-01	2.52E-03	2.81E-02	-3.81E-16	9.18E-03	2.01E-02	7.72E-03	5.20E-03	-1.74E-16	1.84E-01	-3.41E-16	-1.00E+00	-3.13E-02	-1.73E-16	1.29E-15	-7.52E-03	-3.91E-02	-1.11E-02	-8.85E-04	-1.39E-02	2.21E-02	2.13E-18
Min	4.11E-04	2.03E-04	1.35E-03	4.08E-05	4.55E-04	-5.41E-15	1.06E-03	2.75E-03	2.25E-04	3.43E-04	-1.62E-14	3.90E-02	-8.35E-15	-1.00E+00	-1.21E-01	-3.62E-14	-1.67E-14	-2.69E-02	-1.07E-01	-2.67E-02	-7.30E-03	-8.55E-02	9.54E-05	-5.69E-17
Max	8.54E-01	3.49E-01	9.27E-01	1.69E-02	8.17E-01	3.61E-15	3.92E-02	7.83E-02	7.84E-03	3.08E-02	1.81E-14	7.26E-01	1.06E-14	-1.00E+00	-4.93E-03	2.49E-14	2.35E-14	-1.58E-03	-1.24E-02	-3.67E-03	-5.50E-05	1.74E-01	1.19E-01	3.08E-16
Normalized peak height	1.06E-01	6.54E-02	5.95E-03	8.90E-03	3.20E-02	3.89E-02	5.08E-03	4.64E-03	5.20E-03	6.60E-03	1.34E-01	4.74E-03	4.66E-01	1.00E+00	4.83E-03	2.71E-02	3.53E-02	4.24E-03	3.70E-03	3.70E-03	7.77E-03	1.34E-02	3.26E-03	2.92E-01
Peak sensitivity value	1.69E-03	1.43E-03	8.48E-01	2.18E-03	2.29E-02	4.09E-18	6.77E-03	1.50E-02	1.22E-03	2.40E-03	2.66E-18	1.15E-01	-2.89E-18	-1.00E+00	-2.14E-02	-2.67E-17	7.28E-18	-6.58E-03	-2.82E-02	-1.03E-02	-4.35E-04	-2.18E-02	5.27E-02	-7.94E-20
Shapiro-Wilk score	4.848E-01	5.047E-01	7.408E-01	8.669E-01	4.260E-01	8.666E-01	9.310E-01	9.414E-01	9.158E-01	8.900E-01	8.484E-01	8.805E-01	5.971E-01	1.000E+00	9.382E-01	9.162E-01	8.914E-01	9.459E-01	9.638E-01	9.728E-01	8.326E-01	7.974E-01	9.980E-01	7.252E-01
Extracellular glycerol																							
Local	2.51E-02	1.08E-02	1.96E+00	8.63E-03	1.04E-01	8.14E-15	-8.18E-02	-1.79E-01	-1.33E-02	-4.63E-02	1.49E-14	-1.64E+00	0.00E+00	0.00E+00	2.79E-01	9.72E-15	-1.00E+00	6.70E-02	3.38E-01	9.89E-02	1.89E-03	-7.27E-02	1.24E-01	1.03E-17
Min	-3.74E-03	-5.72E-03	-4.57E-02	9.01E-04	3.32E-02	-7.76E-14	-2.57E-01	-3.87E-01	-4.25E-02	-1.97E-01	-3.70E-13	-2.72E+00	-2.98E-13	-1.99E-12	3.01E-02	-3.20E-13	-1.00E+00	9.60E-03	8.19E-02	1.74E-02	1.19E-03	-2.00E-01	-3.52E-03	-2.65E-16
Max	2.60E+00	9.12E-01	2.94E+00	5.14E-02	2.43E+00	6.22E-14	-5.52E-03	-2.31E-02	-1.83E-03	-2.37E-03	3.37E-13	-9.57E-01	2.10E-13	1.97E-12	5.77E-01	3.26E-13	-1.00E+00	1.79E-01	5.93E-01	2.34E-01	2.99E-02	4.83E-01	2.51E-01	9.23E-16
Normalized peak height	1.27E-01	7.42E-02	4.96E-03	8.42E-03	2.90E-02	2.45E-02	3.63E-03	2.94E-03	4.30E-03	5.15E-03	1.25E-01	3.40E-03	6.17E-01	9.37E-01	2.96E-03	2.16E-02	1.00E+00	4.09E-03	3.38E-03	3.48E-03	4.67E-03	1.77E-02	3.77E-03	2.90E-01
Peak sensitivity value	2.76E-03	3.00E-03	1.70E+00	7.44E-03	7.28E-02	-6.78E-17	-6.39E-02	-1.73E-01	-1.35E-02	-3.74E-02	-3.46E-16	-1.41E+00	2.02E-16	9.30E-16	2.75E-01	-3.15E-16	-1.00E+00	6.37E-02	3.56E-01	8.99E-02	5.11E-03	-7.06E-02	1.14E-01	-4.59E-19
Shapiro-Wilk score	4.886E-01	5.039E-01	8.284E-01	8.731E-01	4.258E-01	8.943E-01	9.732E-01	9.940E-01	9.742E-01	9.460E-01	7.589E-01	9.771E-01	1.911E-01	1.315E-01	9.972E-01	9.417E-01	1.000E+00	9.802E-01	9.976E-01	9.942E-01	9.361E-01	7.382E-01	9.883E-01	7.809E-01
Extracellular glucose																							
Local	2.57E+00	-1.40E-02	-2.53E+00	-3.55E-03	-4.30E-02	8.97E-17	-5.98E-04	-1.31E-03	-1.12E-04	-3.38E-04	2.12E-16	-1.20E-02	0.00E+00	0.00E+00	2.04E-03	1.65E-16	1.51E-17	4.89E-04	2.54E-03	7.23E-04	5.76E-05	2.55E-02	5.83E-03	-3.53E-18
Min	6.16E-01	-1.79E+00	-1.46E+01	-9.51E-02	-7.30E+00	-2.47E-14	-8.99E-02	-2.33E-01	-1.78E-02	-4.59E-02	-2.87E-14	-2.06E+00	-1.07E-14	-5.10E-14	-5.04E-02	-1.46E-13	-1.04E-13	-9.85E-03	-4.72E-02	-9.95E-03	-2.66E-03	-9.60E-01	-8.71E-02	-6.16E-16
Max	1.49E+01	-2.01E-04	-2.04E-02	-2.53E-04	-2.77E-03	2.99E-14	1.35E-02	2.73E-02	2.35E-03	1.07E-02	4.54E-14	2.83E-01	9.79E-15	2.83E-14	3.35E-01	2.16E-13	9.92E-14	7.99E-02	2.62E-01	7.92E-02	1.61E-02	3.16E-01	2.76E-01	7.10E-16
Normalized peak height	6.98E-03	1.40E-01	8.07E-03	2.53E-02	1.59E-01	3.48E-01	1.63E-01	1.85E-01	1.60E-01	1.58E-01	3.59E-01	1.69E-01	7.07E-01	8.07E-01	1.72E-01	3.48E-01	3.99E-01	1.63E-01	1.10E-01	1.15E-01	2.71E-01	4.70E-02	5.67E-02	3.19E-01
Peak sensitivity value	1.17E+00	-2.89E-03	-1.15E+00	-1.06E-03	-1.37E-02	-2.72E-17	-1.92E-04	-3.93E-04	-3.90E-05	-1.10E-04	2.75E-18	-4.17E-03	1.83E-18	3.09E-17	6.71E-04	1.67E-16	-4.26E-17	1.53E-04	8.74E-04	2.53E-04	1.84E-05	1.05E-02	2.48E-03	-4.74E-19
Shapiro-Wilk score	8.265E-01	4.886E-01	8.016E-01	6.601E-01	4.165E-01	2.740E-01	4.047E-01	4.007E-01	3.884E-01	4.707E-01	3.829E-01	3.678E-01	1.850E-01	9.235E-02	4.147E-01	2.617E-01	2.815E-01	3.989E-01	4.168E-01	4.397E-01	3.368E-01	5.217E-01	5.856E-01	5.789E-01
1-3-Bisphosphoglycerate																							
Local	1.07E-02	4.61E-03	8.37E-01	4.44E-02	5.38E-01	5.30E-16	8.28E-03	1.81E-02	-2.84E-01	-8.56E-01	3.50E-14	1.66E-01	0.00E+00	0.00E+00	-2.82E-02	6.06E-16	-4.86E-16	-6.78E-03	-3.52E-02	-1.00E-02	-7.98E-04	-3.98E-01	-7.28E-03	7.56E-17
Min	-3.66E+00	-8.44E-01	-6.01E+00	4.04E-04	2.62E-01	-1.06E-13	7.87E-04	2.17E-03	-7.65E-01	-1.23E+00	-1.45E-13	2.98E-02	-7.77E-14	-2.07E-13	-3.16E-01	-2.89E-13	-1.24E-13	-6.26E-02	-2.76E-01	-7.10E-02	-1.45E-02	-7.12E-01	-2.85E-01	-1.74E-15
Max	1.06E+00	3.63E-01	1.20E+00	1.08E-01	5.81E+00	8.00E-14	1.19E-01	2.06E-01	-1.14E-01	-2.72E-01	1.60E-13	2.30E+00	6.74E-14	2.69E-13	-3.36E-03	1.49E-13	1.51E-13	-1.29E-03	-9.40E-03	-2.78E-03	-4.11E-05	7.65E-03	2.59E-02	3.55E-15
Normalized peak height	3.02E-01	1.78E-01	1.66E-02	4.92E-03	1.87E-02	5.96E-02	1.56E-02	1.26E-02	4.11E-03	4.03E-03	6.16E-02	1.42E-02	5.81E-01	7.84E-01	1.16E-02	3.98E-02	3.55E-02	1.02E-02	9.19E-03	9.25E-03	1.59E-02	1.13E-02	9.96E-03	2.87E-01
Peak sensitivity value	1.41E-03	1.26E-03	1.00E+00	3.81E-02	3.93E-01	1.19E-17	5.47E-03	1.37E-02	-3.15E-01	-8.48E-01	9.25E-17	9.23E-02	2.67E-17	-1.29E-16	-2.16E-02	-5.31E-17	1.44E-16	-4.99E-03	-2.85E-02	-8.54E-03	-3.37E-04	-4.01E-01	-6.64E-04	8.92E-19
Shapiro-Wilk score	5.073E-01	4.096E-01	7.219E-01	9.828E-01	5.961E-01	7.197E-01	7.552E-01	7.690E-01	9.860E-01	9.994E-01	9.464E-01	7.318E-01	2.271E-01	1.515E-01	7.809E-01	8.197E-01	7.910E-01	7.922E-01	7.786E-01	7.907E-01	6.970E-01	8.860E-01	7.766E-01	8.926E-01
Fructose 1-6-bisphosphate																							
Local	4.60E-02	1.98E-02	3.59E+00	2.43E-02	2.94E-01	-9.76E-02	-8.09E-02	-1.00E+00	-8.59E-02	-2.59E-01	2.20E-14	-2.18E+00	0.00E+00	0.00E+00	-9.76E-01	1.28E-14	-8.40E-15	8.90E-02	4.63E-01	1.31E-01	1.05E-02	-2.10E-01	2.76E-01	3.37E-17
Min	-3.23E-01	-1.62E-01	-1.34E+00	1.94E-03	8.32E-02	-3.48E-01	-5.30E-01	-1.81E+00	-2.23E-01	-9.15E-01	-5.94E-13	-5.99E+00	-5.60E-13	-1.93E-12	-2.62E+00	-6.25E-13	-5.15E-13	1.06E-02	7.45E-02	1.71E-02	7.22E-04	-5.19E-01	-8.10E-02	-9.44E-16
Max	5.76E+00	1.88E+00	7.43E+00	1.15E-01	6.42E+00	-2.51E-02	2.74E-01	-2.58E-01	-2.21E-02	-1.76E-02	6.39E-13	-4.25E-01	2.63E-13	1.11E-12	-2.38E-01	5.95E-13	4.36E-13	3.23E-01	1.05E+00	3.95E-01	5.95E-02	8.85E-01	5.29E-01	5.48E-15
Normalized peak height	1.73E-01	9.08E-02	7.08E-03	6.50E-03	2.59E-02	4.34E-03	3.54E-03	2.93E-03	4.25E-03	4.09E-03	1.18E-01	3.81E-03	6.45E-01	7.96E-01	3.44E-03	3.04E-02	4.95E-02	4.30E-03	3.29E-03	4.15E-03	5.91E-03	1.26E-02	4.84E-03	2.90E-01
Peak sensitivity value	8.17E-03	6.45E-03	3.00E+00	1.97E-02	2.13E-01	-8.59E-02	-8.93E-02	-9.91E-01	-6.96E-02	-1.87E-01	-4.18E-16	-1.39E+00	2.17E-16	1.12E-15	-9.12E-01	2.17E-16	-1.44E-16	7.44E-02	3.78E-01	1.15E-01	5.51E-03	-2.04E-01	1.97E-01	-2.60E-18
Shapiro-Wilk score	4.824E-01	4.934E-01	9.011E-01	9.117E-01	4.794E-01	9.539E-01	9.982E-01	9.974E-01	9.783E-01	9.498E-01	7.650E-01	9.561E-01	1.881E-01	1.490E-01	9.723E-01	8.984E-01	8.668E-01	9.572E-01	9.867E-01	9.705E-01	8.925E-01	8.522E-01	9.887E-01	7.066E-01
AMP																							
Local	4.17E-03	1.79E-03	3.23E-01	-6.74E-02	-8.16E-01	2.40E-15	-1.26E-02	-2.76E-02	-2.37E-03	-7.14E-03	6.43E-15	-2.52E-01	0.00E+00	0.00E+00	4.30E-02	3.70E-15	2.03E-16	1.03E-02	3.37E-02	1.52E-02	1.22E-03	6.08E-01	1.23E-01	6.38E-17
Min	-3.08E-02	-9.24E-03	-2.52E-01	-1.47E-01	-1.06E+01	-4.06E-14	-1.44E-01	-3.10E-01	-2.26E-02	-8.07E-02	-1.60E-13	-2.51E+00	-5.05E-14	-3.27E-13	6.60E-03	-2.64E-13	-2.08E-13	2.00E-03	1.44E-02	4.29E-03	6.65E-05	7.24E-02	2.68E-02	-2.53E-15
Max	1.04E+01	1.32E+00	9.42E+00	-6.62E-04	-4.30E-01	5.21E-14	-1.58E-03	-3.68E-03	-2.54E-04	-5.58E-04	3.32E-13	-4.89E-02	1.11E-13	5.28E-13	5.13E-01	1.96E-13	1.94E-13	1.08E-01	3.92E-01	1.01E-01	2.25E-02	1.14E+00	5.02E-01	7.41E-15
Normalized peak height	3.81E-01	2.98E-01	2.45E-02	4.83E-03	2.27E-02	9.30E-02	1.22E-02	1.20E-02	1.00E-02	1.08E-02	1.61E-01	1.05E-02	5.47E-01	7.94E-01	1.29E-02	3.25E-02	4.08E-02	1.12E-02	9.00E-03	8.73E-03	1.65E-02	1.64E-02	6.12E-03	2.89E-01
Peak sensitivity value	5.56E-03	7.46E-04	1.37E-02	-6.01E-02	-6.08E-01	4.27E-17	-9.07E-03	-1.79E-02	-1.54E-03	-3.48E-03	-7.29E-17	-1.44E-01	3.27E-17	1.91E-17	3.07E-02	3.64E-17	1.30E-16	7.88E-03	4.37E-02	1.27E-02	6.17E-04	6.16E-01	1.18E-01	-2.88E-18
Shapiro-Wilk score	3.268E-01	2.779E-01	5.962E-01	9.846E-01	6.040E-01	7.932E-01	7.844E-01	7.885E-01	7.988E-01	8.307E-01	7.717E-01	7.463E-01	2.847E-01	1.547E-01	8.011E-01	7.935E-01	7.695E-01	8.045E-01	7.977E-01	8.062E-01	7.102E-01	7.363E-01	9.287E-01	7.706E-01
ATP																							
Local	-1.59E-03	-6.83E-04	-1.24E-01	2.57E-02	3.11E-01	-8.56E-16	1.80E-03	1.05E-02	9.01E-04	2.22E-03	-2.17E-15	9.61E-02	0.00E+00	0.00E+00	-1.64E-02	-1.37E-15	-6.97E-17	-3.93E-03	-2.04E-02	-5.81E-03	-4.63E-04	-2.32E-01	-4.68E-02	2.55E-17
Min	-6.16E+00	-1.08E+00	-8.78E+00	1.08E-03	1.05E-01	-4.02E-14	6.33E-04	1.48E-03	9.83E-05	1.71E-04	-8.87E-14	1.57E-02	-2.68E-14	-7.99E-14	-3.16E-01	-3.76E-13	-2.12E-13	-8.40E-02	-3.45E-01	-8.59E-02	-2.07E-02	-8.80E-01	-3.52E-01	-7.70E-16
Max	1.28E-02	2.41E-03	9.83E-02	9.11E-02	7.51E+00	7.36E-14	1.07E-01	1.97E-01	2.60E-02	4.58E-02	1.26E-13	2.43E+00	5.22E-14	1.13E-13	-2.38E-03	2.07E-13	2.51E-13	-6.19E-04	-4.94E-03	-1.35E-03	-2.31E-05	-1.17E-01	-2.21E-02	8.93E-16
Normalized peak height	6.86E-01	5.67E-01	5.74E-02	5.63E-03	3.15E-02	1.25E-01	2.14E-02	1.74E-02	2.78E-02	1.58E-02	1.23E-01	2.47E-02	5.40E-01	6.85E-01	1.81E-02	9.10E-02	1.11E-01	2.01E-02	1.82E-02	1.64E-02	3.63E-02	7.88E-03	9.43E-03	2.89E-01
Peak sensitivity value	-2.61E-03	-2.86E-04	-3.80E-03	2.21E-02	2.27E-01	2.69E-17	2.81E-03	5.89E-03	5.77E-04	1.43E-03	3.34E-17	5.08E-02	-3.68E-17	7.32E-17	-1.32E-02	2.73E-16	1.17E-16	-2.91E-03	-1.39E-02	-4.60E-03	-1.78E-04	-2.28E-01	-4.57E-02	5.58E-19
Shapiro-Wilk score	2.788E-01	2.185E-01	4.244E-01	9.341E-01	4.826E-01	5.583E-01	5.859E-01	5.862E-01	5.806E-01	7.099E-01	6.584E-01	5.506E-01	2.878E-01	1.599E-01	6.024E-01	5.592E-01	5.427E-01	6.028E-01	5.951E-01	6.083E-01	5.179E-01	8.403E-01	7.683E-01	9.276E-01
NADH																							
Local	9.35E-03	4.03E-03	7.30E-01	-1.86E-03	-2.25E-02	6.21E-15	1.54E-01	3.36E-01	2.88E-02	8.69E-02	1.30E-14	-1.28E+00	0.00E+00	0.00E+00	-5.23E-01	6.20E-15	-5.37E-15	5.25E-02	2.74E-01	7.75E-02	6.18E-03	1.88E-02	5.39E-02	-5.02E-18
Min	1.46E-04	9.50E-05	-1.84E-01	-1.16E-02	-4.64E-01	-6.39E-14	2.39E-02	1.18E-01	5.72E-03	7.61E-03	-2.73E-13	-1.93E+00	-4.68E-13	-1.15E-12	-7.72E-01	-1.79E-13	-1.94E-13	4.58E-03	3.51E-02	7.32E-03	8.65E-04	-6.48E-02	3.30E-04	-6.12E-16
Max	1.20E+00	4.02E-01	1.35E+00	1.38E-02	1.00E+00	7.57E-14	4.26E-01	5.90E-01	8.02E-02	2.66E-01	3.58E-13	-3.55E-01	3.01E-13	1.77E-12	-1.57E-01	1.80E-13	1.72E-13	1.43E-01	5.22E-01	1.95E-01	2.11E-02	2.48E-01	1.40E-01	1.08E-16
Normalized peak height	1.48E-01	9.39E-02	3.60E-03	6.12E-03	2.77E-02	2.59E-02	4.29E-03	3.89E-03	3.98E-03	3.58E-03	1.62E-01	4.73E-03	6.90E-01	9.07E-01	5.00E-03	1.40E-02	3.19E-02	3.62E-03	3.75E-03	3.21E-03	4.31E-03	7.46E-03	4.62E-03	3.06E-01
Peak sensitivity value	1.95E-03	1.10E-03	5.86E-01	-1.09E-03	-1.48E-02	-3.61E-17	1.29E-01	3.30E-01	2.44E-02	6.29E-02	2.72E-16	-1.19E+00	3.83E-16	1.01E-15	-5.19E-01	1.45E-17	1.19E-17	4.50E-02	2.80E-01	7.45E-02	4.77E-03	1.68E-02	4.55E-02	-2.82E-19
Shapiro-Wilk score	4.857E-01	4.991E-01	9.821E-01	9.847E-01	4.938E-01	8.612E-01	9.788E-01	9.998E-01	9.752E-01	9.637E-01	7.592E-01	9.966E-01	1.484E-01	1.318E-01	9.806E-01	9.550E-01	9.299E-01	9.846E-01	9.909E-01	9.947E-01	9.446E-01	9.578E-01	9.892E-01	7.534E-01

Table S22: Concentration control coefficients for *Saccharomyces cerevisiae* model with parameter variation of ±40%

	(GluceMixedflowtoextracellularmedium)	(Gluceuptake)	(Hexokinase)	(Phosphoglucoisomerase)	(Phosphofructokinase)	(Aldolase)	(Triosephosphateisomerase)	(Glyceraldehyde3-phosphatedehydrogenase)	(Phosphoenolpyruvatesynthesis)	(Pyruvatekinase)	(Pyruvatedecarboxylase)	(Alcoholdehydrogenase)	(Ethanolout)	(Ethanolflow)	(Glycerolsynthesis)	(Glycerolout)	(Glycerolflow)	(Acetaldehydeout)	(Acetaldehydeflow)	(Cyanide-Acetaldehydeflow)	(Cyanideflow)	(Storage)	(ATPconsumption)	(Adenylatekinase)
Acetaldehyde																								
Local	2.55E-02	1.10E-02	1.99E+00	8.76E-03	1.06E-01	-5.75E-15	-8.30E-02	-1.82E-01	-1.56E-02	-4.70E-02	-7.51E-15	-1.66E+00	0.00E+00	0.00E+00	2.83E-01	-5.12E-15	7.96E-15	-6.23E-02	-3.24E-01	-9.20E-02	-7.34E-03	-7.38E-02	1.26E-01	1.05E-17
Min	-1.44E-01	-4.80E-02	-9.91E-01	8.95E-05	2.56E-02	-8.88E-14	-4.16E-01	-4.69E-01	-5.36E-02	-2.45E-01	-5.15E-13	-3.24E+00	-2.53E-13	-1.83E-12	1.68E-02	-1.70E-13	-2.75E-13	-2.42E-01	-7.15E-01	-2.50E-01	-1.11E-01	-3.07E-01	-1.15E-02	-3.65E-16
Max	2.83E+00	1.38E+00	3.26E+00	7.61E-02	2.69E+00	8.02E-14	-1.23E-03	-1.52E-02	-4.24E-04	-5.08E-04	4.48E-13	-7.73E-01	3.98E-13	2.03E-12	6.71E-01	2.28E-13	2.72E-13	-1.12E-02	-7.71E-02	-1.31E-02	-1.55E-04	6.78E-01	3.32E-01	4.50E-16
Normalized peak height	1.66E-01	1.07E-01	1.05E-02	9.72E-03	2.60E-02	5.92E-02	4.61E-03	2.93E-03	4.55E-03	5.81E-03	2.48E-01	3.93E-03	5.78E-01	7.20E-01	2.66E-03	4.12E-02	7.67E-02	4.53E-03	3.17E-03	3.39E-03	1.31E-02	1.63E-02	5.30E-03	2.66E-01
Peak sensitivity value	3.53E-03	2.58E-03	9.61E-03	6.51E-03	6.41E-02	4.68E-17	-6.19E-02	-1.55E-01	-1.12E-02	-2.33E-02	-4.03E-16	-1.29E+00	-2.81E-16	1.72E-15	2.26E-01	-1.84E-16	1.55E-16	-4.59E-02	-2.96E-01	-7.87E-02	-2.75E-03	-6.40E-02	3.15E-04	-3.34E-19
Shapiro-Wilk score	5.602E-01	4.789E-01	8.844E-01	8.047E-01	5.108E-01	7.784E-01	9.463E-01	9.884E-01	9.509E-01	9.008E-01	5.308E-01	9.617E-01	2.682E-01	2.312E-01	9.934E-01	9.125E-01	8.611E-01	9.425E-01	9.794E-01	9.739E-01	7.323E-01	6.908E-01	9.866E-01	8.711E-01
Cytosolic glucose																								
Local	2.04E+00	8.77E-01	-3.34E+00	7.30E-03	8.83E-02	4.39E-16	-2.81E-03	-6.15E-03	-5.28E-04	-1.59E-03	1.00E-15	-5.63E-02	0.00E+00	0.00E+00	9.58E-03	7.63E-16	4.37E-17	2.30E-03	1.20E-02	3.40E-03	2.71E-04	3.43E-01	2.74E-02	7.34E-18
Min	-2.95E+01	-2.39E+01	-1.35E+04	-6.13E+00	-6.24E+01	-6.98E-13	-2.55E+00	-5.66E+00	-5.65E-01	-2.81E+00	-7.72E-13	-5.39E+01	-2.86E-13	-6.43E-13	-2.67E+00	-9.53E-13	-1.57E-12	-3.06E-01	-1.65E+00	-4.13E-01	-5.61E-02	-1.70E+01	-1.51E+00	-7.81E-14
Max	1.13E+04	1.76E+03	6.52E+04	8.29E-02	1.40E+02	4.69E-13	7.42E-01	2.06E+00	1.48E-01	1.48E-01	5.25E-13	9.67E+00	1.01E-13	3.44E-13	8.50E+00	2.65E-12	8.70E-13	5.00E+00	1.90E+00	4.92E+00	3.00E-01	3.92E-02	4.07E+01	6.66E-15
Normalized peak height	7.67E-01	7.04E-01	5.87E-01	5.93E-01	5.48E-01	4.95E-01	5.62E-01	5.64E-01	5.76E-01	6.90E-01	5.79E-01	5.06E-01	6.51E-01	8.02E-01	5.02E-01	5.11E-01	5.77E-01	4.81E-01	5.60E-01	6.01E-01	3.47E-01	5.39E-01	5.64E-01	9.53E-01
Peak sensitivity value	-1.11E+00	2.65E-01	-9.19E+00	4.51E-03	3.17E-02	5.58E-16	-1.58E-03	-3.75E-03	-2.82E-04	-1.27E-03	4.83E-16	-2.53E-02	-1.83E-16	3.59E-16	4.17E-03	-1.46E-15	6.67E-16	3.85E-03	4.46E-03	2.39E-03	-5.86E-05	3.45E-01	3.00E-02	5.47E-18
Shapiro-Wilk score	1.193E-02	1.906E-02	1.274E-02	1.655E-01	3.107E-01	1.090E-01	1.494E-01	1.457E-01	1.239E-01	6.766E-02	1.634E-01	1.821E-01	1.163E-01	1.216E-01	1.519E-01	1.595E-01	1.899E-01	6.959E-02	8.340E-02	7.868E-02	1.948E-01	4.823E-02	4.973E-02	5.121E-03
Glycerol																								
Local	2.51E-02	1.08E-02	1.96E+00	8.63E-03	1.04E-01	8.13E-15	-8.18E-02	-1.79E-01	-1.53E-02	-4.63E-02	1.53E-14	-1.64E+00	0.00E+00	0.00E+00	2.79E-01	-5.98E-01	-4.02E-01	6.70E-02	3.48E-01	9.89E-02	7.89E-03	-7.27E-02	1.24E-01	1.03E-17
Min	-1.11E-01	-1.14E-01	-8.79E-02	1.15E-04	2.69E-02	-8.50E-14	-3.54E-01	-4.64E-01	-5.07E-02	-2.32E-01	-7.08E-13	-3.08E+00	-3.98E-13	-2.23E-12	1.30E-02	-8.23E-01	-7.21E-01	4.37E-03	4.65E-02	6.33E-03	5.67E-04	-2.76E-01	-6.37E-03	-5.18E-16
Max	2.85E+00	1.41E+00	3.26E+00	6.71E-02	2.77E+00	1.13E-13	-1.01E-03	1.40E-02	-3.65E-04	-3.72E-04	5.25E-13	-7.59E-01	5.12E-13	2.10E-12	6.34E-01	-2.70E-01	-1.77E-01	2.31E-01	6.40E-01	3.06E-01	3.83E-02	7.78E-01	3.38E-01	2.47E-15
Normalized peak height	1.88E-01	1.17E-01	8.75E-03	8.77E-03	2.77E-02	5.48E-02	4.13E-03	2.84E-03	4.44E-03	5.26E-03	2.53E-01	4.04E-03	6.47E-01	8.58E-01	2.64E-03	2.67E-03	2.67E-03	3.80E-03	3.13E-03	3.64E-03	5.09E-03	1.79E-02	5.11E-03	2.83E-01
Peak sensitivity value	2.55E-03	2.58E-03	1.09E-02	6.38E-03	6.94E-02	6.92E-17	-6.66E-02	-1.80E-01	-1.13E-02	-2.30E-02	-1.08E-16	-1.33E+00	-1.39E-16	-9.75E-17	2.96E-01	-6.16E-01	-3.84E-01	5.02E-02	3.46E-01	7.76E-02	4.51E-03	-6.70E-02	3.39E-04	9.22E-21
Shapiro-Wilk score	5.593E-01	4.679E-01	8.778E-01	8.112E-01	5.139E-01	8.286E-01	9.438E-01	9.875E-01	9.514E-01	9.081E-01	6.082E-01	9.626E-01	3.198E-01	2.752E-01	9.930E-01	9.921E-01	9.921E-01	9.624E-01	9.973E-01	9.836E-01	8.986E-01	6.802E-01	9.867E-01	5.294E-01
EtOH																								
Local	1.01E-02	4.37E-03	7.92E-01	2.32E-03	2.81E-02	-3.86E-16	9.18E-03	2.01E-02	1.72E-03	3.20E-03	-7.43E-17	1.84E-01	-1.45E-01	-8.55E-01	-3.13E-02	-1.63E-16	1.29E-15	-7.52E-03	-3.91E-02	-1.11E-02	-8.85E-04	-1.89E-02	5.21E-02	2.13E-18
Min	-1.47E-02	-9.81E-03	-7.72E-02	-8.27E-04	-8.91E-03	-6.55E-15	4.88E-04	1.39E-03	1.25E-04	1.14E-04	-2.47E-14	2.54E-02	-3.49E-01	-9.57E-01	-2.04E-01	-5.06E-14	-2.78E-14	-3.95E-02	-1.34E-01	-4.03E-02	-1.13E-02	-1.28E-01	-7.95E-05	-4.21E-17
Max	9.14E-01	4.63E-01	9.44E-01	2.53E-02	9.22E-01	6.28E-15	5.51E-02	9.64E-02	1.42E-02	4.48E-02	3.41E-14	8.67E-01	-4.32E-02	-6.51E-01	-2.49E-03	4.02E-14	3.82E-14	-8.44E-04	-8.76E-03	-2.37E-03	-2.07E-05	2.65E-01	1.44E-01	8.76E-17
Normalized peak height	1.28E-01	7.92E-02	5.81E-03	1.02E-02	2.76E-02	5.90E-02	6.20E-03	4.87E-03	8.51E-03	8.97E-03	2.26E-01	5.16E-03	2.99E-03	2.99E-03	6.36E-03	7.33E-02	8.86E-02	5.25E-03	3.99E-03	4.39E-03	1.21E-02	1.36E-02	4.74E-03	2.75E-01
Peak sensitivity value	1.51E-03	8.25E-04	5.97E-03	2.11E-03	2.13E-02	-2.37E-18	4.23E-03	1.31E-02	9.46E-04	2.06E-03	8.34E-18	7.29E-02	-1.12E-01	-8.88E-01	-1.91E-02	1.65E-17	-7.73E-18	-5.23E-03	-2.76E-02	-8.01E-03	-2.19E-04	-2.24E-02	1.37E-04	3.26E-21
Shapiro-Wilk score	5.547E-01	4.676E-01	7.959E-01	7.900E-01	4.946E-01	7.829E-01	8.831E-01	9.049E-01	8.487E-01	8.189E-01	6.487E-01	8.463E-01	9.697E-01	9.697E-01	9.007E-01	7.760E-01	7.348E-01	9.097E-01	9.459E-01	9.513E-01	7.690E-01	7.258E-01	9.935E-01	9.099E-01
ADP																								
Local	1.29E-03	5.55E-04	1.01E-01	-2.09E-02	-2.53E-01	6.63E-16	-3.90E-03	-8.54E-03	-7.33E-04	-2.21E-03	1.57E-15	-7.81E-02	0.00E+00	0.00E+00	1.33E-02	1.09E-15	5.21E-17	3.20E-03	1.66E-02	4.72E-03	3.76E-04	1.88E-01	3.81E-02	-4.97E-17
Min	-1.47E+00	-3.94E-01	-2.17E+00	-7.11E-02	-2.80E+00	-1.42E-14	-3.83E-02	-6.09E-02	-6.94E-03	-2.82E-02	-1.29E-13	-9.83E-01	-7.46E-14	-1.61E-13	-8.31E-02	-7.60E-14	-9.13E-14	-1.99E-02	-8.64E-02	-2.85E-02	-6.68E-03	-3.43E-01	-5.55E-02	-2.02E-15
Max	3.11E+00	5.05E-01	2.30E+00	1.71E-02	1.83E+00	2.17E-14	3.47E-02	5.80E-02	8.53E-03	8.65E-03	5.37E-14	5.35E-01	3.24E-14	1.79E-13	1.02E-01	6.00E-14	5.10E-14	2.58E-02	1.31E-01	3.85E-02	1.28E-02	4.30E-01	1.93E-01	1.40E-15
Normalized peak height	5.87E-01	4.87E-01	6.56E-02	5.83E-03	2.74E-02	1.15E-01	1.80E-02	1.36E-02	2.05E-02	1.66E-02	2.59E-01	2.06E-02	5.34E-01	7.64E-01	1.27E-02	6.78E-02	9.67E-02	1.37E-02	1.44E-02	1.62E-02	4.76E-02	8.09E-03	6.43E-03	2.67E-01
Peak sensitivity value	2.03E-03	-9.47E-06	6.76E-05	-1.61E-02	-1.64E-01	1.06E-17	-2.29E-03	-4.93E-03	-3.60E-04	-6.14E-04	-5.06E-18	-3.47E-02	3.75E-17	-1.06E-17	6.26E-03	-3.58E-17	-3.32E-17	1.80E-03	1.01E-02	3.48E-03	8.95E-05	1.77E-01	3.94E-02	-4.64E-19
Shapiro-Wilk score	4.373E-01	4.338E-01	7.225E-01	9.826E-01	7.382E-01	7.781E-01	8.636E-01	8.657E-01	8.305E-01	8.241E-01	5.968E-01	8.513E-01	2.873E-01	2.442E-01	8.838E-01	7.740E-01	7.187E-01	8.794E-01	8.569E-01	8.618E-01	7.866E-01	8.177E-01	9.787E-01	9.010E-01
Glyceraldehyde 3-phosphate																								
Local	2.26E-02	9.73E-03	1.74E+00	1.27E-02	1.54E-01	6.19E-15	1.56E-01	-5.55E-01	-4.76E-02	-1.44E-01	1.37E-14	-1.23E+00	0.00E+00	0.00E+00	-5.32E-01	7.05E-15	-4.91E-15	5.03E-02	2.61E-01	7.72E-02	5.02E-03	-1.10E-01	1.03E-01	1.80E-17
Min	-6.41E-01	-1.70E-01	-9.85E-01	8.79E-05	3.25E-02	-6.69E-14	1.24E-02	-1.55E+00	-1.74E-01	-7.35E-01	-2.92E-13	-5.07E+00	-4.11E-13	-1.77E-12	-3.28E+00	-3.46E-13	-3.23E-13	3.49E-03	1.90E-02	3.61E-03	8.71E-05	-3.66E-01	-7.47E-02	-9.53E-16
Max	7.62E+00	1.66E+00	6.08E+00	9.79E-02	3.49E+00	6.00E-14	5.58E-01	-6.10E-02	-5.69E-03	-2.64E-03	3.35E-13	-1.22E-01	3.77E-13	2.31E-12	-7.47E-02	4.14E-13	4.93E-13	2.18E-01	6.60E-01	2.81E-01	4.38E-02	9.32E-01	4.90E-01	2.00E-15
Normalized peak height	2.70E-01	1.55E-01	1.66E-02	8.34E-03	2.21E-02	4.29E-02	4.17E-03	3.59E-03	4.77E-03	5.15E-03	2.41E-01	5.19E-03	6.82E-01	7.97E-01	6.54E-03	6.63E-02	9.81E-02	4.37E-03	3.15E-03	4.44E-03	7.41E-03	1.45E-02	6.43E-03	2.72E-01
Peak sensitivity value	7.07E-03	1.77E-03	7.83E-03	8.75E-03	9.64E-02	-4.76E-17	1.32E-01	-5.51E-01	-3.79E-02	-6.89E-02	-2.63E-16	-6.94E-01	-9.06E-17	1.62E-15	-4.00E-01	9.23E-17	2.19E-16	3.77E-02	1.83E-01	5.64E-02	2.38E-03	-9.53E-02	8.10E-02	1.19E-18
Shapiro-Wilk score	5.573E-01	4.759E-01	9.369E-01	8.571E-01	5.545E-01	8.460E-01	9.578E-01	9.914E-01	9.602E-01	9.161E-01	6.397E-01	9.484E-01	3.075E-01	2.642E-01	9.631E-01	8.189E-01	7.738E-01	9.274E-01	9.791E-01	9.497E-01	8.355E-01	8.220E-01	9.860E-01	7.753E-01
Dihydroxyacetone phosphate																								
Local	2.30E-02	1.03E-02	1.88E+00	1.23E-02	1.49E-01	5.18E-15	-2.24E-01	-4.91E-01	-4.21E-02	-1.27E-01	1.04E-14	-1.03E+00	0.00E+00	0.00E+00	-4.89E-01	6.32E-15	-3.90E-15	4.23E-02	2.20E-01	6.25E-02	4.99E-03	-1.06E-01	1.13E-01	1.69E-17
Min	-7.12E-01	-9.95E-02	-1.25E+00	1.06E-04	3.21E-02	-5.59E-14	-8.37E-01	-1.22E+00	-1.54E-01	-6.99E-01	-6.06E-13	-3.51E+00	-2.38E-13	-1.76E-12	-2.12E+00	-7.29E-13	-3.96E-13	-1.81E-03	7.98E-03	-2.30E-03	-1.70E-04	-3.33E-01	-8.36E-02	-6.74E-16
Max	4.46E+00	1.66E+00	4.93E+00	1.11E-01	3.53E+00	6.32E-14	-1.02E-02	-6.95E-02	-5.65E-03	-3.25E-03	3.84E-13	3.72E-02	3.78E-13	1.85E-12	-8.18E-02	3.12E-13	3.47E-13	1.92E-01	5.87E-01	2.42E-01	4.15E-02	8.94E-01	4.26E-01	1.13E-15
Normalized peak height	2.60E-01	1.30E-01	1.28E-02	9.21E-03	2.37E-02	5.08E-02	3.70E-03	3.19E-03	4.79E-03	5.68E-03	2.69E-01	4.08E-03	6.06E-01	7.37E-01	4.57E-03	8.45E-02	1.02E-01	4.73E-03	3.23E-03	4.28E-03	8.40E-03	1.41E-02	6.09E-03	2.67E-01
Peak sensitivity value	4.28E-03	1.50E-03	1.27E-02	9.55E-03	1.00E-01	3.96E-17	-1.93E-01	-5.37E-01	-3.44E-02	-6.13E-02	-2.21E-16	-6.06E-01	2.72E-16	1.53E-15	-3.43E-01	-6.24E-17	-8.07E-17	3.20E-02	1.58E-01	3.92E-02	1.68E-03	-9.54E-02	2.15E-04	-8.45E-19
Shapiro-Wilk score	5.558E-01	4.688E-01	9.207E-01	8.541E-01	5.489E-01	8.433E-01	9.614E-01	9.954E-01	9.553E-01	9.082E-01	5.839E-01	9.392E-01	3.068E-01	2.565E-01	9.483E-01	8.021E-01	7.664E-01	9.226E-01	9.755E-01	9.477E-01	8.187E-01	7.815E-01	9.865E-01	8.397E-01
Glucose-6-Phosphate																								
Local	1.37E-02	5.88E-03	1.07E+00	-2.72E-02	-3.29E-01	-8.33E-16	5.10E-03	1.11E-02	9.57E-04	2.89E-03	-1.82E-15	1.02E-01	0.00E+00	0.00E+00	-1.74E-02	-1.37E-15	-6.86E-17	-4.17E-03	-2.17E-02	-6.16E-03	-4.92E-04	-7.52E-01	-4.97E-02	-2.72E-17
Min	-1.73E-01	-6.54E-01	-4.68E+00	-1.32E-01	-1.14E+01	-3.43E-14	-1.47E-01	-3.41E-01	-2.92E-02	-7.59E-02	-1.86E-13	-2.98E+00	-1.05E-13	-6.21E-13	-1.05E-01	-1.73E-13	-2.81E-13	-2.50E-02	-8.48E-02	-2.37E-02	-5.27E-03	-1.53E+00	-2.62E-01	-2.31E-15
Max	1.17E+01	2.25E+00	1.02E+01	2.19E-07	4.09E-04	8.98E-14	2.93E-02	6.74E-02	7.96E-03	3.11E-02	1.57E-13	5.77E-01	2.36E-13	7.01E-13	4.66E-01	6.51E-13	2.31E-13	1.09E-01	4.15E-01	1.37E-01	2.86E-02	6.95E-01	4.68E-01	8.00E-16
Normalized peak height	3.02E-01	2.48E-01	5.49E-02	5.81E-03	4.00E-02	1.72E-01	2.67E-02	2.68E-02	3.05E-02	2.88E-02	3.31E-01	3.08E-02	6.44E-01	8.56E-01	2.33E-02	2.12E-01	2.11E-01	2.30E-02	1.81E-02	1.96E-02	5.80E-02	1.51E-02	8.53E-03	3.02E-01
Peak sensitivity value	-1.55E-03	2.90E-03	1.01E+00	-2.08E-02	-2.11E-01	-9.48E-18	2.49E-03	5.98E-03	3.96E-04	7.40E-04	-3.12E-17	4.10E-02	1.25E-16	5.66E-17	-1.12E-02	1.21E-17	-2.18E-17	-2.55E-03	-1.45E-02	-4.01E-03	-1.07E-04	-7.54E-01	-5.11E-02	9.09E-20
Shapiro-Wilk score	4.719E-01	4.448E-01	6.746E-01	9.342E-01	5.504E-01	4.961E-01	6.849E-01	7.005E-01	7.046E-01	8.416E-01	3.756E-01	6.885E-01	1.505E-01	1.842E-01	7.317E-01	4.919E-01	4.925E-01	7.259E-01	7.181E-01	7.272E-01	6.386E-01	7.918E-01	9.418E-01	8.083E-01
NAD																								
Local	-4.87E-03	-2.10E-03	-3.80E-01	9.66E-04	1.17E-02	-3.24E-15	-8.00E-02	-1.75E-01	-1.50E-02	-4.53E-02	-6.78E-15	6.68E-01	0.00E+00	0.00E+00	2.72E-01	-3.23E-15	2.80E-15	-2.73E-02	-1.42E-01	-4.03E-02	-3.22E-03	-9.68E-03	-2.81E-02	2.62E-18
Min	-1.65E+00	-5.71E-01	-1.79E+00	-3.11E-02	-1.24E+00	-4.12E-14	-3.52E-01	-7.96E-01	-1.99E-01	-4.29E-01	-1.98E-13	5.51E-02	-1.96E-13	-1.26E-12	2.40E-02	-2.97E-13	-2.69E-13	-1.61E-01	-5.28E-01	-1.99E-01	-2.85E-02	-3.96E-01	-1.64E-01	-1.16E-16
Max	4.01E-02	2.07E-02	6.54E-02	2.34E-03	6.75E-01	4.52E-14	-4.74E-03	-1.34E-02	-2.15E-04	-3.51E-04	2.52E-13	2.44E+00	2.15E-13	8.58E-13	1.08E+00	4.85E-13	3.28E-13	-1.53E-03	-1.27E-02	-3.09E-03	-7.91E-05	8.64E-02	1.02E-03	9.21E-16
Normalized peak height	2.41E-01	2.76E-01	1.90E-02	2.64E-02	7.03E-02	6.09E-02	4.74E-03	4.58E-03	1.13E-02	8.78E-03	2.38E-01	4.11E-03	7.38E-01	8.61E-01	3.95E-03	9.14E-02	1.17E-01	5.63E-03	4.29E-03	5.12E-03	9.09E-03	2.13E-02	6.35E-03	3.78E-01
Peak sensitivity value	-1.32E-03	-3.67E-04	-2.16E-03	-4.37E-05	1.28E-03	2.00E-19	-5.24E-02	-1.23E-01	-4.69E-03	-1.43E-02	-2.00E-16	3.64E-01	3.99E-17	-5.49E-16	1.84E-01	3.19E-16	2.52E-16	-1.55E-02	-9.69E-02	-2.63E-02	-1.00E-03	2.36E-04	-1.27E-02	-4.71E-19
Shapiro-Wilk score	4.768E-01	4.139E-01	8.489E-01	8.493E-01	4.931E-01	8.214E-01	9.253E-01	8.930E-01	8.020E-01	8.102E-01	6.054E-01	9.196E-01	2.765E-01	2.404E-01	9.389E-01	7.638E-01	7.467E-01	8.894E-01	9.416E-01	9.082E-01	8.056E-01	7.724E-01	8.625E-01	4.559E-01
Extracellular acetaldehyde																								
Local	2.55E-02	1.10E-02	1.99E+00	8.78E-03	1.06E-01	-5.73E-15	-8.32E-02	-1.82E-01	-1.56E-02	-4.71E-02	-8.63E-15	-1.67E+00	0.00E+00	0.00E+00	2.84E-01	-5.10E-15	7.94E-15	6.82E-02	-4.25E-01	-1.21E-01	-9.62E-03	-7.39E-02	1.27E-01	1.05E-17
Min	-2.94E-01	-1.33E-01	-2.53E-01	8.79E-05	2.56E-02	-6.01E-14	-3.80E-01	-4.58E-01	-5.75E-02	-2.69E-01	-5.36E-13	-3.14E+00	-7.33E-13	-2.86E-12	7.82E-03	-3.39E-13	-2.08E-13	4.36E-03	-8.32E-01	-2.78E-01	-1.22E-01	-3.00E-01	-2.75E-02	-3.23E-16
Max	2.98E+00	1.31E+00	3.45E+00	8.29E-02	2.83E+00	7.84E-14	-7.03E-04	-1.06E-02	-4.56E-04	-3.77E-04	2.83E-13	-7.82E-01	4.03E-13	2.78E-12	6.62E-01	2.57E-13	2.32E-13	2.28E-01	-1.25E-01	-3.44E-02	-3.95E-04	6.44E-01	3.61E-01	5.55E-16
Normalized peak height	1.80E-01	1.13E-01	8.22E-03	1.05E-02	2.79E-02	5.17E-02	4.39E-03	3.59E-03	4.67E-03	6.15E-03	2.27E-01	3.81E-03	7.10E-01	7.56E-01	2.78E-03	1.09E-02	7.21E-02	3.62E-03	3.24E-03	3.33E-03	1.12E-02	1.59E-02	5.53E-03	2.72E-01
Peak sensitivity value	1.96E-03	2.21E-03	7.90E-03	6.92E-03	6.34E-02	-5.39E-17	-5.17E-02	-1.50E-01	-1.18E-02	-2.44E-02	-9.72E-17	-1.31E+00	-5.41E-17	-1.65E-15	2.90E-01	2.64E-16	-7.74E-18	6.29E-02	-4.09E-01	-1.19E-01	-3.62E-03	-7.12E-02	3.29E-04	-4.19E-19
Shapiro-Wilk score	5.629E-01	4.731E-01	8.858E-01	8.130E-01	5.120E-01	7.874E-01	9.471E-01	9.880E-01	9.486E-01	9.019E-01	5.465E-01	9.607E-01	2.573E-01	1.958E-01	9.930E-01	8.960E-01	8.538E-01	9.624E-01	9.857E-01	9.819E-01	7.524E-01	6.883E-01	9.869E-01	8.650E-01
Phosphoenolpyruvate																								
Local	1.38E-02	5.93E-03	1.08E+00	6.08E-03	7.36E-02	2.62E-15	1.11E-03	2.42E-03	2.03E-04	-1.20E+00	7.14E-14	2.22E-02	0.00E+00	0.00E+00	-3.77E-03	4.71E-15	-1.00E-15	-9.07E-04	-4.72E-03	-1.34E-03	-1.07E-04	-5.20E-02	6.64E-02	9.38E-18
Min	-3.48E-02	-3.98E-02	-2.59E-01	4.35E-05	2.79E-02	-1.82E-13	-2.98E-03	-7.70E-03	-1.05E-03	-1.61E+00	-5.05E-13	-9.61E-02	-5.16E-13	-4.04E-13	-7.46E-02	-9.09E-14	-8.30E-14	-1.75E-02	-5.66E-02	-1.77E-02	-4.93E-03	-1.51E-01	-3.03E-03	-3.23E-16
Max	1.26E+00	6.21E-01	1.43E+00	4.51E-02	1.33E+00	1.32E-13	2.45E-02	4.52E-02	6.71E-03	-1.07E+00	4.50E-13	4.10E-01	2.76E-13	2.23E-13	1.62E-02	1.34E-13	9.69E-14	2.38E-03	1.30E-02	4.74E-03	7.18E-04	3.23E-01	1.66E-01	4.90E-16
Normalized peak height	1.25E-01	8.35E-02	8.82E-03	9.26E-03	2.19E-02	1.13E-01	2.12E-02	1.82E-02	3.13E-02	4.67E-03	3.49E-01	2.12E-02	6.63E-01	7.96E-01	1.92E-02	8.69E-02	1.13E-01	1.74E-03	1.37E-02	1.54E-02	4.39E-02	1.40E-02	2.99E-03	2.73E-01
Peak sensitivity value	2.12E-03	1.44E-03	1.02E+00	5.02E-03	5.47E-02	4.89E-17	5.18E-04	1.20E-03	1.04E-04	-1.13E+00	-1.52E-16	8.96E-03	-3.70E-16	8.30E-17	-2.06E-03	4.63E-17	6.56E-17	-5.87E-04	-3.15E-03	-9.43E-04	-3.04E-05	-5.39E-02	6.31E-02	-8.41E-20
Shapiro-Wilk score	5.589E-01	4.922E-01	7.493E-01	8.860E-01	5.404E-01	6.883E-01	5.752E-01	6.108E-01	5.759E-01	9.177E-01	7.583E-01	6.113E-01	2.209E-01	2.539E-01	6.235E-01	7.989E-01	7.084E-01	6.311E-01	6.479E-01	6.539E-01	5.397E-01	7.264E-01	9.876E-01	8.917E-01

Fructose-6-Phosphate																							
Local	1.24E-02	5.33E-03	9.07E-01	8.44E-02	-3.38E-01	-8.95E-16	5.90E-03	1.29E-02	1.11E-03	3.34E-03	-2.13E-15	1.18E-01	0.00E+00	0.00E+00	-2.01E-02	-1.59E-15	-7.98E-17	-4.83E-03	-2.51E-02	-7.13E-03	-5.09E-04	-7.58E-01	-5.75E-02	-2.80E-17
Min	-7.44E-01	-4.74E-01	-2.30E+00	1.87E-02	-1.07E+01	-5.15E-14	-1.57E-01	-2.61E-01	-3.14E-02	-1.03E-01	-2.37E-13	-2.81E+00	-1.28E-13	-6.90E-13	-1.37E-01	-3.44E-13	-2.99E-13	-2.79E-02	-8.91E-02	-2.71E-02	-7.51E-03	-1.22E+00	-2.61E-01	-1.86E-15
Max	1.14E+01	2.09E+00	1.21E+01	2.60E-01	4.00E-02	5.75E-14	3.11E-02	6.47E-02	8.94E-03	3.94E-02	2.38E-13	6.69E-01	1.10E-13	3.99E-13	4.44E-01	3.44E-13	1.78E-13	1.03E-01	4.24E-01	1.09E-01	2.80E-02	5.46E-01	4.70E-01	1.03E-15
Normalized peak height	4.37E-01	2.74E-01	4.79E-02	4.81E-03	3.63E-02	1.44E-01	2.62E-02	1.98E-02	2.92E-02	3.38E-02	3.42E-01	2.75E-02	5.88E-01	8.24E-01	2.10E-02	1.73E-01	1.79E-01	2.03E-02	1.66E-02	1.60E-02	5.37E-02	1.17E-02	8.09E-03	3.02E-01
Peak sensitivity value	2.49E-03	2.15E-03	9.37E-01	6.30E-02	-2.22E-01	-6.17E-19	2.65E-03	7.90E-03	5.34E-04	7.49E-04	-2.25E-16	5.09E-02	-2.71E-17	2.20E-16	-1.15E-02	1.10E-16	2.35E-17	-2.73E-03	-1.59E-02	-5.37E-03	-1.17E-04	-7.63E-01	-5.63E-02	-1.05E-19
Shapiro-Wilk score	4.664E-01	4.388E-01	6.615E-01	9.521E-01	5.608E-01	5.722E-01	7.176E-01	7.209E-01	7.365E-01	8.497E-01	3.781E-01	7.263E-01	2.712E-01	2.177E-01	7.522E-01	5.739E-01	5.570E-01	7.684E-01	7.456E-01	7.573E-01	6.890E-01	7.907E-01	9.478E-01	8.239E-01
Extracellular cyanide																							
Local	-1.89E-03	-8.11E-04	-1.47E-01	-6.48E-04	-7.85E-03	4.27E-16	6.15E-03	1.34E-02	1.15E-03	3.18E-03	6.32E-16	1.23E-01	0.00E+00	0.00E+00	-2.09E-02	3.66E-16	-5.96E-16	-5.03E-03	3.14E-02	-6.50E-02	7.46E-02	5.46E-03	-9.35E-03	-7.74E-19
Min	-8.84E-01	-2.72E-01	-1.09E+00	-1.91E-02	-8.39E-01	-5.89E-15	1.95E-04	5.77E-04	4.04E-05	5.29E-05	-4.71E-14	8.71E-03	-2.39E-14	-1.28E-13	-1.60E-01	-6.23E-14	-2.86E-14	-2.49E-02	1.83E-03	-4.10E-01	7.33E-03	-1.22E-01	-7.46E-02	-2.97E-17
Max	4.43E-03	2.66E-03	5.00E-02	-3.46E-06	-2.96E-04	7.72E-15	6.22E-02	8.70E-02	8.76E-03	4.32E-02	2.28E-14	9.14E-01	3.04E-14	1.27E-13	-9.66E-04	4.58E-14	3.70E-14	-4.26E-04	3.52E-01	-6.94E-03	5.23E-01	5.79E-02	7.56E-04	2.20E-17
Normalized peak height	4.55E-01	2.50E-01	3.32E-02	2.73E-02	9.11E-02	8.84E-02	1.11E-02	7.27E-03	8.54E-03	1.53E-02	2.52E-01	8.56E-03	6.40E-01	8.59E-01	7.92E-03	1.12E-01	1.22E-01	5.63E-03	1.08E-02	6.89E-03	7.32E-03	3.04E-02	1.07E-02	2.69E-01
Peak sensitivity value	-4.55E-04	-2.25E-04	-9.38E-04	-2.23E-04	-2.39E-03	-4.06E-18	2.52E-03	7.02E-03	3.76E-04	6.79E-04	5.19E-18	5.71E-02	1.92E-17	-2.42E-17	-1.15E-02	-1.09E-17	6.87E-18	-2.96E-03	1.18E-02	-3.70E-02	4.06E-02	1.90E-03	-3.57E-05	-1.15E-20
Shapiro-Wilk score	4.605E-01	3.821E-01	7.990E-01	6.310E-01	4.420E-01	7.045E-01	8.174E-01	8.703E-01	8.272E-01	7.496E-01	4.648E-01	8.184E-01	2.044E-01	1.755E-01	8.576E-01	6.955E-01	6.597E-01	9.038E-01	7.537E-01	8.515E-01	8.375E-01	7.159E-01	8.250E-01	7.828E-01
Pyruvate																							
Local	9.01E-01	3.88E-01	7.04E+01	2.28E-01	2.76E+00	-6.96E-14	4.07E-02	8.91E-02	7.64E-03	2.31E-02	-7.79E+01	8.15E-01	0.00E+00	0.00E+00	-1.39E-01	-5.18E-14	1.49E-13	-3.34E-02	-1.73E-01	-4.93E-02	-3.93E-03	-1.87E+00	4.59E+00	2.26E-16
Min	-8.38E-01	-1.65E-01	-1.61E+01	1.58E-04	2.20E-02	-6.70E-11	-3.46E-01	-8.12E-01	-6.48E-02	-2.24E-01	-5.02E+04	-4.59E+00	-2.67E-12	-1.45E-09	-1.03E+03	-5.19E-11	-4.82E-11	-1.84E+02	-9.74E+02	-2.08E+02	-3.02E+01	-1.67E+03	-4.13E-05	-1.59E-11
Max	2.08E+04	8.47E+03	4.28E+04	4.04E+02	2.72E+04	3.38E-11	2.94E+02	5.40E+02	9.28E+01	1.61E+02	-1.69E+00	7.78E+03	1.64E-12	2.67E-10	1.61E+00	1.38E-10	9.64E-11	2.32E-01	1.38E+00	4.06E-01	3.61E-02	3.11E+03	4.45E+03	1.18E-12
Normalized peak height	9.86E-01	9.94E-01	9.55E-01	9.82E-01	9.90E-01	9.79E-01	9.91E-01	9.81E-01	9.85E-01	9.92E-01	9.64E-01	9.81E-01	7.15E-01	9.99E-01	9.83E-01	9.40E-01	9.51E-01	9.86E-01	9.83E-01	7.80E-01	9.86E-01	9.28E-01	9.79E-01	9.93E-01
Peak sensitivity value	9.58E+00	4.07E+00	5.31E+00	2.02E-01	1.36E+01	2.07E-14	9.59E-02	-1.06E-03	-1.83E-02	1.82E-02	-2.68E+01	-7.01E-01	-1.99E-15	1.87E-13	5.31E-02	-3.75E-14	-1.53E-14	-4.42E-02	-8.34E-02	9.36E-02	-9.22E-03	-2.28E+00	2.22E+00	8.21E-15
Shapiro-Wilk score	5.438E-03	2.497E-03	1.061E-02	7.280E-03	4.172E-03	6.094E-03	3.362E-03	4.022E-03	1.837E-03	2.136E-03	1.043E-02	3.160E-03	4.692E-02	6.996E-04	3.178E-03	1.589E-02	1.282E-02	4.425E-03	4.345E-03	5.508E-03	4.528E-03	6.852E-03	7.962E-03	6.595E-04
Extracellular ethanol																							
Local	1.01E-02	4.37E-03	7.92E-01	2.22E-03	2.81E-02	-3.81E-16	3.18E-03	2.01E-02	1.72E-03	5.20E-03	-1.74E-16	1.31E-01	-3.41E-16	-1.00E+00	-3.13E-02	-1.73E-16	1.29E-15	-7.52E-03	-3.91E-02	-1.11E-02	-8.85E-01	-1.39E-02	5.21E-02	2.13E-18
Min	-3.14E-03	-2.22E-03	-2.57E+00	-1.03E-03	-6.50E-03	-9.90E-15	4.26E-04	1.48E-03	1.09E-04	1.26E-04	-2.93E-14	2.36E-02	-2.74E-14	-1.00E+00	-1.84E-01	-5.92E-14	-2.39E-14	-4.33E-02	-1.29E-01	-3.66E-02	-1.18E-02	-1.37E-01	-4.74E-05	-1.58E-16
Max	9.04E-01	1.11E+00	9.40E-01	4.74E-02	9.24E-01	1.07E-14	5.87E-02	1.20E-01	1.50E-02	4.40E-02	3.31E-14	8.80E-01	1.86E-14	-1.00E+00	-2.76E-03	8.15E-14	4.29E-14	-9.28E-04	-8.85E-03	-2.38E-03	-1.98E-05	4.98E-01	1.45E-01	1.44E-16
Normalized peak height	1.21E-01	1.65E-01	1.87E-02	1.90E-02	2.87E-02	8.86E-02	6.79E-03	5.76E-03	9.04E-03	9.18E-03	2.29E-01	5.34E-03	3.86E-01	1.00E+00	5.63E-03	9.84E-02	8.90E-02	5.96E-03	3.82E-03	4.06E-03	1.22E-02	2.02E-02	3.89E-03	2.84E-01
Peak sensitivity value	9.46E-04	1.68E-03	5.69E-03	2.00E-03	2.19E-02	9.47E-18	5.00E-03	1.10E-02	9.53E-04	1.77E-03	-2.32E-17	8.91E-02	1.33E-17	-1.00E+00	-2.33E-02	-6.19E-18	2.12E-18	-5.32E-03	-2.58E-02	-9.76E-03	-2.38E-04	-2.25E-02	3.14E-04	1.31E-20
Shapiro-Wilk score	5.522E-01	4.718E-01	7.949E-01	7.921E-01	4.924E-01	7.543E-01	8.792E-01	9.031E-01	8.438E-01	8.182E-01	6.492E-01	8.471E-01	4.486E-01	1.000E+00	8.993E-01	7.642E-01	7.395E-01	9.075E-01	9.446E-01	9.536E-01	7.686E-01	7.424E-01	9.935E-01	8.184E-01
Extracellular glycerol																							
Local	2.51E-02	1.08E-02	1.96E+00	8.63E-03	1.04E-01	8.14E-15	-8.18E-02	-1.79E-01	-1.53E-02	-4.63E-02	1.49E-14	-1.64E+00	0.00E+00	0.00E+00	2.79E-01	9.72E-15	-1.00E+00	6.70E-02	3.48E-01	9.89E-02	7.89E-03	-7.27E-02	1.24E-01	1.03E-17
Min	-5.83E-02	-3.00E-02	-2.45E-01	1.05E-04	2.38E-02	-9.68E-14	-3.54E-01	-4.47E-01	-5.91E-02	-2.40E-01	-5.13E-13	-3.08E+00	-6.63E-13	-3.13E-12	1.31E-02	-4.13E-13	-1.00E+00	4.74E-03	3.93E-02	6.49E-03	5.52E-04	-2.97E-01	-1.30E-02	-1.70E-15
Max	3.04E+00	1.37E+00	3.35E+00	8.40E-02	2.95E+00	8.91E-14	-1.69E-03	-1.33E-02	-6.63E-04	-4.65E-04	3.82E-13	-7.22E-01	5.33E-13	3.20E-12	6.16E-01	3.52E-13	-1.00E+00	2.35E-01	6.54E-01	2.91E-01	3.98E-02	7.52E-01	3.12E-01	2.03E-15
Normalized peak height	1.84E-01	1.05E-01	8.51E-03	1.04E-02	3.02E-02	5.02E-02	4.01E-03	2.78E-03	4.81E-03	5.59E-03	2.32E-01	4.08E-03	7.00E-01	8.64E-01	2.58E-03	4.29E-02	1.00E+00	3.85E-03	3.34E-03	3.54E-03	5.28E-03	1.74E-02	5.48E-03	2.88E-01
Peak sensitivity value	2.07E-03	2.85E-03	8.86E-03	6.10E-03	6.62E-02	-7.77E-17	-6.71E-02	-1.60E-01	-1.01E-02	-2.64E-02	6.46E-17	-1.35E+00	1.48E-16	5.02E-16	2.84E-01	-2.83E-16	-1.00E+00	4.88E-02	3.67E-01	7.91E-02	3.79E-03	-6.81E-02	1.50E-04	-1.48E-18
Shapiro-Wilk score	5.631E-01	4.789E-01	8.787E-01	8.151E-01	5.160E-01	8.297E-01	9.446E-01	9.877E-01	9.483E-01	8.995E-01	6.227E-01	9.648E-01	3.101E-01	2.562E-01	9.930E-01	8.919E-01	1.000E+00	9.629E-01	9.974E-01	9.836E-01	8.960E-01	6.942E-01	9.869E-01	4.880E-01
Extracellular glucose																							
Local	2.57E+00	-1.40E-02	-2.53E+00	-3.55E-03	-4.30E-02	8.97E-17	-5.98E-04	-1.31E-03	-1.12E-04	-3.38E-04	2.12E-16	-1.20E-02	0.00E+00	0.00E+00	2.04E-03	1.65E-16	1.51E-17	4.89E-04	2.54E-03	7.23E-04	5.76E-05	2.55E-02	5.83E-03	-3.53E-18
Min	4.23E-01	-1.98E+00	-2.04E+01	-1.53E-01	-1.36E+01	-5.45E-14	-1.33E-01	-2.96E-01	-3.83E-02	-5.88E-02	-2.54E-13	-4.10E+00	-5.26E-14	-9.23E-13	-6.90E-02	-3.60E-13	-8.23E-13	-1.68E-02	-5.68E-02	-1.45E-02	-3.30E-03	-1.08E+00	-1.39E-01	-4.68E-15
Max	2.06E+01	1.80E-02	8.72E-01	-6.27E-05	-1.36E-03	9.31E-14	1.83E-02	3.75E-02	5.33E-03	2.14E-02	2.10E-13	4.46E-01	1.08E-13	3.31E-13	4.93E-01	4.69E-13	2.12E-13	1.46E-01	6.37E-01	1.71E-01	2.72E-02	8.32E-01	5.12E-01	1.49E-15
Normalized peak height	9.75E-03	1.53E-01	1.26E-02	4.07E-02	2.34E-01	6.15E-01	2.26E-01	2.16E-01	2.90E-01	2.04E-01	7.08E-01	2.52E-01	6.71E-01	9.12E-01	2.44E-01	6.38E-01	6.27E-01	2.66E-01	2.24E-01	2.04E-01	3.49E-01	6.11E-02	8.88E-02	6.14E-01
Peak sensitivity value	9.78E-01	-9.31E-04	-7.97E-01	-7.51E-04	-8.14E-03	1.55E-17	-1.54E-04	-3.53E-04	-1.65E-05	-3.07E-05	9.43E-17	-1.18E-03	7.77E-17	4.35E-16	4.54E-04	-2.48E-17	-4.16E-16	1.33E-04	4.72E-04	2.29E-04	6.41E-06	6.92E-03	2.01E-03	9.23E-19
Shapiro-Wilk score	7.982E-01	5.928E-01	7.503E-01	6.856E-01	4.381E-01	2.611E-01	3.891E-01	4.018E-01	3.701E-01	4.447E-01	1.760E-01	3.987E-01	6.645E-02	2.654E-02	4.110E-01	2.470E-01	1.902E-01	4.142E-01	4.329E-01	4.348E-01	3.297E-01	6.468E-01	6.085E-01	1.978E-01
1-3-Bisphosphoglycerate																							
Local	1.07E-02	4.61E-03	8.37E-01	4.44E-02	5.38E-01	5.30E-16	8.28E-03	1.81E-02	-2.84E-01	-8.56E-01	3.50E-14	1.66E-01	0.00E+00	0.00E+00	-2.82E-02	6.06E-16	-4.86E-16	-6.78E-03	-3.52E-02	-1.00E-02	-7.98E-04	-3.98E-01	-7.28E-03	7.56E-17
Min	-8.06E+00	-9.67E-01	-7.60E+00	-6.64E-05	-1.03E-01	-2.91E-13	-8.49E-04	-6.50E-03	-8.71E-01	-1.42E+00	-8.74E-13	-5.67E-02	-3.53E-13	-1.33E-12	-4.44E-01	-5.30E-13	-3.11E-13	-9.83E-02	-2.99E-01	-9.57E-02	-2.22E-02	-8.38E-01	-4.80E-01	-2.82E-15
Max	1.18E+00	6.39E-01	1.63E+00	1.66E-01	8.32E+00	1.66E-13	1.38E-01	2.42E-01	-8.04E-02	-1.44E-01	3.16E-13	2.94E+00	2.71E-13	5.88E-13	7.98E-03	2.43E-13	2.62E-13	1.16E-03	8.02E-03	1.68E-03	5.65E-04	1.61E-01	5.18E-02	2.80E-15
Normalized peak height	3.35E-01	1.85E-01	2.73E-02	5.79E-03	2.40E-02	1.05E-01	1.56E-02	1.25E-02	3.45E-03	3.69E-03	1.88E-01	1.79E-02	6.89E-01	8.42E-01	1.40E-02	1.05E-01	1.20E-01	1.32E-02	9.30E-03	1.05E-02	2.42E-02	1.02E-02	1.29E-02	2.70E-01
Peak sensitivity value	-8.87E-04	2.20E-03	1.01E-02	3.39E-02	3.65E-01	1.55E-16	4.65E-03	1.05E-02	-2.79E-01	-8.01E-01	1.60E-16	7.97E-02	1.67E-16	-3.17E-16	-1.85E-02	-9.30E-17	6.32E-18	-4.36E-03	-2.75E-02	-7.43E-03	-2.66E-04	-3.97E-01	2.63E-03	1.78E-18
Shapiro-Wilk score	5.486E-01	5.165E-01	7.777E-01	9.800E-01	6.441E-01	5.260E-01	7.186E-01	7.657E-01	9.680E-01	9.986E-01	8.455E-01	7.415E-01	2.800E-01	2.034E-01	7.638E-01	6.984E-01	6.432E-01	7.810E-01	7.992E-01	7.890E-01	6.623E-01	8.212E-01	7.812E-01	8.573E-01
Fructose 1-6-bisphosphate																							
Local	4.60E-02	1.98E-02	3.59E+00	2.43E-02	2.94E-01	-9.76E-02	-8.09E-02	-1.00E+00	-8.59E-02	-2.59E-01	2.20E-14	-2.18E+00	0.00E+00	0.00E+00	-9.76E-01	1.28E-14	-8.40E-15	8.90E-02	4.63E-01	1.31E-01	1.05E-02	-2.40E-01	2.16E-01	3.37E-17
Min	-7.34E-01	-2.24E-01	-1.33E+00	9.39E-05	6.32E-02	-4.97E-01	-8.35E-01	-2.03E+00	-3.04E-01	-1.42E+00	-6.57E-13	-7.59E+00	-1.30E-12	-1.90E-12	-5.03E+00	-7.76E-13	-7.37E-13	3.57E-03	1.85E-02	5.56E-03	2.78E-04	-8.38E-01	-9.37E-02	-1.20E-15
Max	7.62E+00	3.48E+00	1.09E+01	2.30E-01	6.75E+00	-1.96E-02	3.65E-01	-1.08E-01	-8.67E-03	-6.48E-03	6.13E-13	-9.95E-02	7.13E-13	2.52E-12	-1.32E-01	1.10E-12	8.06E-13	4.01E-01	1.23E+00	4.81E-01	7.93E-02	1.65E+00	8.66E-01	1.21E-15
Normalized peak height	2.50E-01	1.53E-01	1.46E-02	1.01E-02	2.27E-02	5.21E-03	4.11E-03	2.67E-03	4.66E-03	5.85E-03	2.27E-01	4.46E-03	7.31E-01	8.51E-01	5.54E-03	7.83E-02	1.05E-01	4.68E-03	3.34E-03	4.06E-03	7.84E-03	1.49E-02	5.65E-03	2.70E-01
Peak sensitivity value	5.00E-03	3.56E-03	1.61E-02	1.86E-02	1.80E-01	-7.52E-02	-7.61E-02	-8.95E-01	-6.79E-02	-1.11E-01	2.46E-16	-1.32E+00	-3.14E-16	8.52E-17	-7.60E-01	-3.54E-16	-1.57E-16	6.57E-02	3.13E-01	1.06E-01	3.48E-03	-1.85E-01	1.95E-01	1.18E-18
Shapiro-Wilk score	5.582E-01	4.690E-01	9.267E-01	8.443E-01	5.507E-01	9.191E-01	9.942E-01	9.953E-01	9.580E-01	9.091E-01	6.050E-01	9.374E-01	2.876E-01	2.837E-01	9.474E-01	7.974E-01	7.594E-01	9.222E-01	9.751E-01	9.464E-01	8.297E-01	7.993E-01	9.862E-01	8.763E-01
AMP																							
Local	4.17E-03	1.79E-03	3.25E-01	-6.74E-02	-8.16E-01	2.40E-15	-1.26E-02	-2.76E-02	-2.37E-03	-7.14E-03	6.43E-15	-2.52E-01	0.00E+00	0.00E+00	4.30E-02	3.70E-15	2.03E-16	1.03E-02	3.31E-02	1.32E-02	1.22E-03	6.08E-01	1.23E-01	6.38E-17
Min	-5.39E-01	-1.64E+00	-9.70E-01	-1.88E-01	-1.03E+01	-5.62E-14	-2.84E-01	-3.33E-01	-3.26E-02	-1.03E-01	-1.91E-13	-3.40E+00	-4.46E-13	-8.77E-13	-1.55E-02	-4.78E-13	-5.93E-13	-6.06E-03	-1.45E-02	-3.30E-03	-5.17E-04	-1.46E+00	-3.48E-03	-4.83E-15
Max	1.01E+01	1.51E+00	1.06E+01	-4.50E-05	-3.84E-01	2.07E-13	3.49E-03	1.21E-02	1.47E-03	5.87E-04	2.46E-13	1.30E-01	4.16E-13	1.20E-12	5.71E-01	5.40E-13	3.13E-13	1.61E-01	6.05E-01	1.26E-01	2.67E-02	1.39E+00	8.14E-01	2.88E-15
Normalized peak height	4.28E-01	5.01E-01	5.01E-02	4.63E-03	1.96E-02	1.09E-01	2.05E-02	1.12E-02	1.30E-02	1.38E-02	2.42E-01	1.38E-02	6.51E-01	7.58E-01	1.18E-02	1.03E-01	1.33E-01	1.43E-02	1.16E-02	9.45E-03	1.91E-02	2.97E-02	7.73E-03	2.70E-01
Peak sensitivity value	-4.12E-03	4.38E-04	8.54E-03	-4.98E-02	-5.28E-01	3.65E-17	-6.42E-03	-1.92E-02	-1.10E-03	-2.48E-03	1.13E-16	-1.12E-01	1.80E-16	6.53E-16	2.35E-02	-1.78E-16	-3.56E-18	5.86E-03	3.35E-02	1.16E-02	3.96E-04	6.26E-01	1.24E-01	-3.48E-18
Shapiro-Wilk score	3.632E-01	3.929E-01	5.944E-01	9.814E-01	6.386E-01	6.720E-01	7.323E-01	7.877E-01	7.630E-01	7.617E-01	6.308E-01	7.561E-01	2.105E-01	2.271E-01	7.892E-01	6.857E-01	6.377E-01	7.878E-01	8.069E-01	8.063E-01	6.844E-01	7.410E-01	9.348E-01	8.359E-01
ATP																							
Local	-1.59E-03	-6.83E-04	-1.24E-01	2.57E-02	3.11E-01	-8.56E-16	4.80E-03	1.05E-02	9.01E-04	2.72E-03	-2.17E-15	3.61E-02	0.00E+00	0.00E+00	-1.64E-02	-1.37E-15	-6.97E-17	-3.93E-03	-2.04E-02	-5.81E-03	-4.63E-04	-2.32E-01	-4.68E-02	2.35E-17
Min	-1.23E+01	-2.08E+00	-9.21E+00	-1.42E-05	-1.37E-02	-7.97E-14	2.66E-04	5.97E-04	6.19E-05	6.74E-05	-1.88E-13	9.14E-03	-1.34E-13	-8.06E-13	-5.29E-01	-4.26E-13	-2.28E-13	-1.30E-01	-5.19E-01	-1.40E-01	-3.11E-02	-1.66E+00	-5.02E-01	-7.03E-16
Max	2.14E+00	6.83E-01	3.82E+00	1.39E-01	1.26E+01	1.10E-13	1.80E-01	4.09E-01	3.82E-02	7.39E-02	2.25E-13	3.89E+00	7.75E-14	3.17E-13	-1.20E-03	3.12E-13	2.89E-13	-2.88E-04	-3.17E-03	-7.72E-04	-8.62E-06	2.07E-01	-1.15E-02	2.36E-15
Normalized peak height	6.56E-01	5.67E-01	1.14E-01	6.46E-03	4.54E-02	2.18E-01	2.94E-02	2.94E-02	3.49E-02	2.35E-02	2.79E-01	3.53E-02	5.65E-01	6.35E-01	2.37E-02	1.58E-01	1.63E-01	2.50E-02	2.16E-02	2.11E-02	5.51E-02	1.37E-02	9.46E-03	2.92E-01
Peak sensitivity value	-3.20E-03	9.60E-05	-6.04E-03	1.94E-02	1.82E-01	9.26E-17	2.52E-03	6.11E-03	3.48E-04	9.91E-04	-5.60E-16	-1.15E-02	-4.82E-17	-5.60E-16	-1.15E-02	-1.04E-17	-1.70E-16	-2.43E-03	-1.37E-02	-4.60E-03	-1.18E-04	-2.20E-01	-4.46E-02	-9.85E-19
Shapiro-Wilk score	2.878E-01	3.382E-01	4.530E-01	9.220E-01	5.548E-01	4.807E-01	5.601E-01	5.996E-01	5.683E-01	6.638E-01	4.162E-01	6.020E-01	2.367E-01	1.723E-01	6.041E-01	5.108E-01	4.952E-01	6.227E-01	6.474E-01	6.511E-01	5.276E-01	7.842E-01	8.020E-01	8.022E-01
NADH																							
Local	9.35E-03	4.03E-03	7.50E-01	-1.86E-03	-2.25E-02	6.21E-15	1.54E-01	3.56E-01	2.88E-02	8.69E-02	1.30E-14	-1.28E+00	0.00E+00	0.00E+00	-5.23E-01	6.20E-15	-5.37E-15	5.25E-02	2.73E-01	7.75E-02	6.18E-03	1.86E-02	5.39E-02	-5.02E-18
Min	-3.30E-02	-2.67E-02	-9.54E-02	-2.29E-02	-6.91E-01	-7.15E-14	7.86E-03	5.45E-02	3.14E-03	2.15E-03	-4.00E-13	-2.18E+00	-4.41E-13	-2.99E-12	-8.78E-01	-2.14E-13	-1.69E-13	1.67E-03	1.33E-02	2.45E-03	3.75E-04	-9.68E-02	-7.17E-04	-5.90E-16
Max	1.50E+00	6.33E-01	1.61E+00	2.95E-02	1.33E+00	8.41E-14	5.36E-01	6.29E-01	1.20E-01	3.59E-01	3.59E-13	-1.45E-01	3.16E-13	2.05E-12	-7.04E-02	2.71E-13	2.62E-13	2.14E-01	6.08E-01	2.67E-01	3.20E-02	3.37E-01	1.61E-01	1.25E-16
Normalized peak height	1.86E-01	1.57E-01	9.72E-03	9.52E-03	2.88E-02	4.61E-02	4.57E-03	3.44E-03	4.90E-03	4.15E-03	2.69E-01	4.86E-03	7.21E-01	8.39E-01	4.90E-03	4.00E-02	6.01E-02	4.28E-03	3.53E-03	3.53E-03	5.99E-03	8.21E-03	4.10E-03	2.94E-01
Peak sensitivity value	1.59E-03	6.18E-04	4.64E-03	-1.05E-03	-9.48E-03	-3.09E-17	1.16E-01	3.13E-01	2.12E-02	4.30E-02	2.98E-16	-1.12E+00	-4.62E-17	1.95E-15	-5.32E-01	1.56E-16	1.84E-16	3.72E-02	2.89E-01	6.64E-02	3.05E-03	6.12E-03	4.27E-02	3.53E-19
Shapiro-Wilk score	5.607E-01	4.750E-01	9.750E-01	9.525E-01	5.376E-01	8.053E-01	9.590E-01	9.993E-01	9.498E-01	9.343E-01	6.178E-01	9.923E-01	2.863E-01	2.425E-01	9.748E-01	9.085E-01	8.707E-01	9.640E-01	9.918E-01	9.849E-01	9.024E-01	8.906E-01	9.846E-01	7.087E-01

Table S23: Concentration control coefficients for *Saccharomyces cerevisiae* model with parameter variation of $\pm$50%

Metabolite	Statistic	(GlucoseMixedflowtoextracellularmedium)	(Glucoseuptake)	(Hexokinase)	(Phosphoglucoisomerase)	(Phosphofructokinase)	(Aldolase)	(Triosephosphateisomerase)	(Glyceraldehyde3-phosphatedehydrogenase)	(Phosphoenolpyruvatesynthesis)	(Pyruvatekinase)	(Pyruvatedecarboxylase)	(Alcoholdehydrogenase)	(Ethanolout)	(Ethanolflow)	(Glycerolsynthesis)	(Glycerolout)	(Glycerolflow)	(Acetaldehydeout)	(Acetaldehydeflow)	(Cyanide-Acetaldehydeflow)	(Cyanideflow)	(Storage)	(ATPconsumption)	(Adenylatekinase)
Acetaldehyde	Local	2.55E-02	1.10E-02	1.99E+00	8.76E-03	1.06E-01	-5.75E-15	-8.30E-02	-1.82E-01	-1.56E-02	-4.70E-02	-7.51E-15	-1.66E+00	0.00E+00	0.00E+00	2.83E-01	-5.12E-15	7.96E-15	-6.23E-02	-3.24E-01	-9.20E-02	-7.34E-03	-7.38E-02	1.26E-01	1.05E-17
	Min	-4.51E-01	-1.90E-01	-2.88E-01	1.43E-05	1.74E-02	-1.36E-13	-4.84E-01	-5.04E-01	-7.72E-02	-3.01E-01	-5.40E-13	-3.56E+00	-7.54E-13	-4.76E-12	3.67E-03	-3.47E-13	-2.57E-13	-3.04E-01	-8.01E-01	-3.25E-01	-1.56E-01	-4.28E-01	-1.87E-02	-1.40E-15
	Max	3.84E+00	1.52E+00	3.72E+00	1.56E-01	3.35E+00	1.87E-13	-9.47E-05	-4.27E-03	-6.11E-05	-5.56E-05	3.78E-13	-5.55E-01	4.41E-13	3.18E-12	6.93E-01	3.78E-13	2.64E-13	-5.84E-03	-4.85E-02	-7.15E-03	-2.54E-05	8.07E-01	4.40E-01	4.94E-16
	Normalized peak height	2.33E-01	1.32E-01	3.29E-02	1.51E-02	3.02E-02	1.35E-01	4.76E-03	2.86E-03	5.56E-03	7.00E-03	3.14E-01	4.74E-03	5.90E-01	7.85E-01	2.36E-03	1.10E-01	1.23E-01	4.74E-03	3.18E-03	3.87E-03	2.02E-02	1.47E-02	1.87E-02	2.69E-01
	Peak sensitivity value	1.20E-03	1.71E-03	2.67E-03	6.17E-03	5.91E-02	-9.33E-17	-4.49E-02	-1.79E-01	-9.43E-03	-1.13E-02	-8.10E-17	-1.26E+00	-4.59E-16	-1.20E-15	3.37E-01	3.17E-17	1.42E-16	-4.53E-02	-2.78E-01	-7.79E-02	-1.35E-03	-6.70E-02	3.69E-04	-6.68E-19
	Shapiro-Wilk score	5.995E-01	4.881E-01	8.969E-01	7.474E-01	6.047E-01	6.655E-01	9.074E-01	9.785E-01	9.157E-01	8.364E-01	4.361E-01	9.423E-01	3.256E-01	2.681E-01	9.872E-01	8.150E-01	7.587E-01	9.139E-01	9.765E-01	9.596E-01	6.566E-01	7.030E-01	9.830E-01	7.320E-01
Cytosolic glucose	Local	2.04E+00	8.77E-01	-3.34E+00	7.30E-03	8.83E-02	4.39E-16	-2.81E-03	-6.15E-03	-5.28E-04	-1.59E-03	1.00E-15	-5.63E-02	0.00E+00	0.00E+00	9.58E-03	7.63E-16	4.37E-17	2.30E-03	1.20E-02	3.40E-03	2.71E-04	3.43E-01	2.74E-02	7.34E-18
	Min	-1.60E+02	-8.08E+01	-2.48E+04	-8.22E+00	-2.23E+02	-8.34E-13	-1.94E+00	-6.70E+00	-1.24E+00	-1.05E+00	-9.46E-13	-1.20E+02	-3.23E-12	-4.93E-12	-4.29E+01	-8.47E-12	-2.89E-12	-7.47E+00	-8.03E+01	-1.17E+01	-5.78E-01	-6.14E+01	-1.10E+02	-7.76E-14
	Max	1.22E+04	7.54E+03	3.37E+02	5.90E+01	4.98E+03	3.90E-13	1.55E+01	2.35E+01	1.37E+00	4.81E+00	1.13E-12	2.64E+02	4.18E-13	2.17E-12	9.48E+00	1.89E-12	7.44E-12	9.66E+00	2.34E+01	3.18E+00	2.18E-01	1.80E+03	5.37E+01	1.46E-13
	Normalized peak height	7.61E-01	9.55E-01	9.52E-01	7.91E-01	9.09E-01	6.97E-01	8.75E-01	8.38E-01	5.80E-01	8.32E-01	6.78E-01	5.22E-01	9.26E-01	8.67E-01	6.02E-01	7.33E-01	8.45E-01	4.98E-01	9.18E-01	7.96E-01	6.56E-01	9.55E-01	7.60E-01	9.95E-01
	Peak sensitivity value	6.48E+00	-7.44E-01	-1.54E+00	1.98E-02	-1.55E+00	-1.57E-16	-5.14E-03	-1.28E-02	-1.48E-03	-2.39E-03	8.29E-16	1.38E-01	5.05E-16	2.73E-15	2.97E-02	-3.84E-15	-2.10E-15	-6.48E-03	3.15E-02	3.38E-03	7.95E-05	8.33E-01	-8.75E-03	-6.25E-18
	Shapiro-Wilk score	9.388E-03	4.694E-03	6.417E-03	1.496E-02	5.613E-03	1.297E-01	2.544E-02	4.621E-02	5.852E-02	4.342E-02	1.104E-01	4.503E-02	1.735E-02	5.904E-02	3.989E-02	6.667E-02	4.696E-02	3.248E-02	1.807E-02	4.561E-02	1.237E-01	1.104E-02	2.101E-02	3.025E-03
Glycerol	Local	2.51E-02	1.08E-02	1.96E+00	8.63E-03	1.04E-01	8.13E-15	-8.18E-02	-1.79E-01	-1.53E-02	-4.63E-02	1.53E-14	-1.64E+00	0.00E+00	0.00E+00	2.79E-01	-5.98E-01	-4.02E-01	6.70E-02	3.48E-01	9.89E-02	7.89E-03	-7.27E-02	1.24E-01	1.03E-17
	Min	-6.29E-02	-8.89E-02	-8.87E-01	1.19E-05	1.77E-02	-1.44E-13	-4.92E-01	-5.08E-01	-8.14E-02	-3.48E-01	-6.98E-13	-3.70E+00	-6.10E-13	-4.56E-12	3.55E-03	-8.66E-01	-7.93E-01	1.93E-03	1.79E-02	1.81E-03	2.45E-04	-4.03E-01	-1.53E-02	-4.56E-16
	Max	3.15E+00	1.58E+00	3.76E+00	1.15E-01	2.96E+00	1.41E-13	-1.03E-04	-3.34E-03	-6.22E-05	-5.66E-05	6.32E-13	-5.05E-01	6.16E-13	5.22E-12	6.85E-01	-2.07E-01	-1.34E-01	2.82E-01	6.96E-01	3.54E-01	5.21E-02	7.74E-01	4.65E-01	5.71E-16
	Normalized peak height	1.93E-01	1.17E-01	4.16E-02	1.20E-02	2.61E-02	1.02E-01	4.89E-03	2.80E-03	6.27E-03	8.23E-03	3.72E-01	5.50E-03	6.62E-01	7.79E-01	2.59E-03	2.45E-03	2.45E-03	4.07E-03	2.80E-03	3.50E-03	6.91E-03	1.57E-02	2.35E-02	2.60E-01
	Peak sensitivity value	3.05E-03	2.28E-03	3.26E-03	5.14E-03	6.33E-02	1.19E-16	-5.59E-02	-1.28E-01	-8.65E-03	-1.24E-02	-5.32E-16	-1.20E+00	-3.24E-18	2.81E-15	2.27E-01	-6.32E-01	-3.68E-01	5.80E-02	3.52E-01	8.55E-02	3.38E-03	-6.45E-02	3.36E-04	-4.65E-19
	Shapiro-Wilk score	6.022E-01	4.865E-01	8.905E-01	7.665E-01	6.056E-01	7.509E-01	9.075E-01	9.786E-01	9.068E-01	8.429E-01	4.920E-01	9.455E-01	3.695E-01	3.098E-01	9.868E-01	9.902E-01	9.902E-01	9.370E-01	9.974E-01	9.663E-01	8.493E-01	7.051E-01	9.828E-01	8.232E-01
EtOH	Local	1.01E-02	4.37E-03	7.92E-01	2.32E-03	2.81E-02	-3.86E-16	9.18E-03	2.01E-02	1.72E-03	5.20E-03	-7.43E-17	1.84E-01	-1.45E-01	-8.55E-01	-3.13E-02	-1.63E-16	1.29E-15	-7.52E-03	-3.91E-02	-1.11E-02	-8.85E-04	-1.89E-02	5.21E-02	2.13E-18
	Min	-1.09E+00	-2.88E-01	-4.81E-01	-3.57E-03	-3.38E-02	-1.16E-14	1.19E-04	5.50E-04	4.79E-05	5.21E-05	-5.55E-14	1.52E-02	-4.23E-01	-9.71E-01	-2.47E-01	-8.67E-14	-6.91E-14	-4.80E-02	-1.52E-01	-5.06E-02	-1.64E-02	-2.04E-01	-2.00E-04	-2.18E-16
	Max	9.33E-01	6.60E-01	2.17E+00	4.11E-02	9.72E-01	1.30E-14	7.70E-02	1.40E-01	2.47E-02	6.96E-02	3.44E-14	9.45E-01	-2.94E-02	-5.77E-01	-8.10E-04	6.75E-14	5.78E-14	-4.77E-04	-5.00E-03	-1.47E-03	-7.48E-06	3.87E-01	1.78E-01	1.64E-15
	Normalized peak height	2.22E-01	1.56E-01	4.30E-02	1.35E-02	2.40E-02	1.17E-01	8.44E-03	7.03E-03	1.42E-02	1.66E-02	3.29E-01	6.09E-03	3.29E-03	3.29E-03	7.33E-03	1.51E-01	1.99E-01	5.68E-03	4.18E-03	4.90E-03	1.92E-02	1.48E-02	2.32E-02	4.15E-01
	Peak sensitivity value	5.50E-04	8.88E-04	3.22E-03	1.85E-03	2.10E-02	1.11E-19	4.39E-03	1.23E-02	7.02E-04	8.52E-04	-5.13E-18	7.23E-02	-1.09E-01	-8.91E-01	-1.60E-02	7.17E-17	-1.57E-17	-3.78E-03	-2.37E-02	-7.73E-03	-9.75E-05	-4.94E-04	6.76E-05	3.09E-19
	Shapiro-Wilk score	5.874E-01	4.820E-01	8.142E-01	7.467E-01	5.813E-01	6.837E-01	8.270E-01	8.663E-01	7.550E-01	7.284E-01	5.142E-01	8.237E-01	9.563E-01	9.563E-01	8.627E-01	6.604E-01	6.205E-01	8.738E-01	9.271E-01	9.249E-01	7.147E-01	7.331E-01	9.786E-01	1.816E-01
ADP	Local	1.29E-03	5.55E-04	1.01E-01	-2.09E-02	-2.53E-01	6.63E-16	-3.90E-03	-8.54E-03	-7.33E-04	-2.21E-03	1.57E-15	-7.81E-02	0.00E+00	0.00E+00	1.33E-02	1.09E-15	5.21E-17	3.20E-03	1.66E-02	4.72E-03	3.76E-04	1.88E-01	3.81E-02	-4.97E-17
	Min	-4.16E+00	-9.47E-01	-2.61E+00	-8.91E-02	-3.58E+00	-6.50E-14	-7.27E-02	-9.48E-02	-1.18E-02	-4.67E-02	-1.14E-13	-1.26E+00	-4.56E-14	-1.88E-13	-1.76E-01	-2.02E-13	-1.21E-13	-5.19E-02	-1.98E-01	-4.64E-02	-1.28E-02	-8.57E-01	-8.44E-02	-3.43E-15
	Max	3.27E+00	5.83E-01	3.16E+00	3.35E-02	4.45E+00	2.05E-14	6.29E-02	1.30E-01	2.13E-02	1.52E-02	8.19E-14	1.07E+00	5.94E-14	4.08E-13	1.46E-01	1.49E-13	1.29E-13	3.66E-02	1.39E-01	3.84E-02	1.15E-02	5.39E-01	2.98E-01	2.46E-15
	Normalized peak height	5.71E-01	4.03E-01	1.40E-01	1.26E-02	4.18E-02	1.45E-01	3.20E-02	2.31E-02	4.39E-02	3.16E-02	3.64E-01	3.07E-02	4.72E-01	6.37E-01	1.97E-02	2.05E-01	1.98E-01	2.33E-02	1.91E-02	1.72E-02	7.21E-02	1.11E-02	7.06E-03	2.50E-01
	Peak sensitivity value	2.96E-03	6.95E-04	1.74E-04	5.61E-05	-1.56E-01	8.70E-18	-1.05E-03	-3.08E-03	-2.01E-04	-3.64E-04	-1.54E-17	-2.64E-02	3.86E-17	2.36E-16	4.36E-03	8.12E-17	1.12E-16	1.23E-03	9.44E-03	2.57E-03	4.90E-05	1.82E-01	2.93E-02	-1.61E-18
	Shapiro-Wilk score	4.125E-01	5.142E-01	6.871E-01	9.782E-01	7.560E-01	5.974E-01	8.305E-01	8.493E-01	7.681E-01	7.459E-01	4.841E-01	8.522E-01	3.539E-01	3.011E-01	8.684E-01	5.838E-01	5.274E-01	8.619E-01	8.546E-01	8.591E-01	7.540E-01	8.342E-01	9.808E-01	7.819E-01
Glyceraldehyde 3-phosphate	Local	2.26E-02	9.73E-03	1.76E+00	1.27E-02	1.54E-01	6.19E-15	1.56E-01	-5.55E-01	-4.76E-02	-1.44E-01	1.37E-14	-1.23E+00	0.00E+00	0.00E+00	-5.32E-01	7.05E-15	-4.91E-15	5.03E-02	2.61E-01	7.42E-02	5.92E-03	-1.10E-01	1.05E-01	1.80E-17
	Min	-2.03E+00	-2.07E-01	-1.31E+00	1.44E-05	2.39E-02	-1.08E-13	3.71E-03	-3.86E+00	-2.73E-01	-1.07E+00	-4.16E-13	-7.61E+00	-5.66E-13	-2.90E-12	-7.42E+00	-8.50E-13	-4.20E-13	-2.53E-04	-2.38E-03	-5.71E-04	-2.15E-04	-1.10E+00	-1.03E-01	-8.67E-16
	Max	6.33E+00	3.22E+00	1.42E+01	2.92E-01	7.61E+00	7.17E-14	8.25E-01	-3.48E-02	-2.28E-03	-1.06E-03	4.26E-13	2.88E-02	2.87E-13	2.44E-12	-3.07E-02	1.05E-12	4.44E-13	3.14E-01	7.62E-01	3.47E-01	6.96E-02	9.18E-01	5.80E-01	9.61E-16
	Normalized peak height	3.79E-01	1.82E-01	9.37E-02	1.93E-02	3.92E-02	8.04E-02	5.58E-03	6.60E-03	6.22E-03	7.12E-03	3.69E-01	7.06E-03	6.32E-01	7.74E-01	1.20E-02	1.87E-01	1.70E-01	5.90E-03	3.38E-03	4.81E-03	1.37E-02	1.66E-02	2.31E-02	2.55E-01
	Peak sensitivity value	3.10E-03	3.62E-03	3.96E-03	8.04E-03	8.83E-02	2.46E-17	7.56E-02	-6.83E-01	-3.30E-02	-3.91E-02	1.69E-16	-7.77E-01	1.11E-16	-1.05E-15	-3.45E-01	-9.37E-17	1.07E-16	2.22E-02	1.79E-01	4.06E-02	1.15E-03	-9.03E-02	1.75E-04	6.26E-19
	Shapiro-Wilk score	5.904E-01	4.785E-01	9.147E-01	7.568E-01	6.361E-01	7.588E-01	9.260E-01	9.818E-01	9.274E-01	8.595E-01	5.072E-01	9.219E-01	3.646E-01	3.181E-01	8.726E-01	6.734E-01	6.736E-01	8.853E-01	9.644E-01	9.148E-01	7.664E-01	8.239E-01	9.744E-01	8.234E-01
Dihydroxyacetone phosphate	Local	2.40E-02	1.03E-02	1.88E+00	1.23E-02	1.49E-01	5.18E-15	-2.24E-01	-4.91E-01	-4.21E-02	-1.27E-01	1.04E-14	-1.03E+00	0.00E+00	0.00E+00	-4.89E-01	6.32E-15	-3.90E-15	4.23E-02	2.20E-01	6.25E-02	4.99E-03	-1.06E-01	1.13E-01	1.69E-17
	Min	-1.22E+00	-2.09E-01	-8.30E+00	1.99E-05	2.44E-02	-1.43E-10	-1.35E+00	-1.95E+01	-2.97E-01	-1.24E+00	-8.79E-12	-6.00E+01	-5.59E-13	-1.78E-12	-5.61E+01	-6.31E-13	-4.33E-13	-8.99E-03	-2.11E-02	-8.40E-03	-2.14E-03	-2.96E+00	-9.30E-02	-1.26E-15
	Max	1.59E+01	5.77E+00	9.44E+01	1.42E+00	1.90E+01	3.52E-13	-3.10E-03	-2.47E-02	-2.08E-03	-5.92E-04	4.83E-13	1.48E-01	4.46E-13	2.40E-12	-3.83E-02	1.23E-12	6.67E-13	3.88E-01	4.62E+00	4.70E-01	3.16E-01	3.08E+00	2.84E+00	3.38E-15
	Normalized peak height	4.44E-01	3.21E-01	1.34E-01	9.32E-02	1.04E-01	1.00E+00	4.99E-03	3.73E-02	8.22E-03	9.77E-03	6.04E-01	5.83E-02	6.34E-01	7.60E-01	9.53E-02	1.99E-01	2.01E-01	8.51E-03	1.90E-02	7.56E-03	7.11E-02	5.10E-02	4.94E-02	2.65E-01
	Peak sensitivity value	2.61E-03	2.66E-03	-3.15E-02	7.81E-03	9.09E-02	-7.02E-15	-1.60E-01	-5.20E-01	-2.79E-02	-3.83E-02	-4.27E-15	-4.83E-01	2.50E-16	-1.33E-15	-3.47E-01	1.63E-16	-1.45E-16	2.06E-02	1.30E-01	3.68E-02	8.88E-04	-9.00E-02	-6.42E-04	1.98E-18
	Shapiro-Wilk score	5.890E-01	4.664E-01	6.930E-01	5.750E-01	6.265E-01	7.336E-04	9.272E-01	8.138E-01	9.188E-01	8.419E-01	5.309E-02	7.053E-01	3.628E-01	3.077E-01	4.802E-01	6.490E-01	6.295E-01	8.813E-01	9.312E-01	9.170E-01	6.900E-01	7.692E-01	9.226E-01	5.978E-01
Glucose-6-Phosphate	Local	1.37E-02	5.88E-03	1.07E+00	-2.72E-02	-3.29E-01	-8.33E-16	5.10E-03	1.11E-02	9.57E-04	2.89E-03	-1.82E-15	1.02E-01	0.00E+00	0.00E+00	-1.74E-02	-1.37E-15	-6.86E-17	-4.17E-03	-2.17E-02	-6.16E-03	-4.92E-04	-7.52E-01	-4.97E-02	-2.72E-17
	Min	-4.18E-01	-8.04E-01	-2.72E+00	-2.23E-01	-1.44E+01	-7.99E-14	-2.62E-01	-3.82E-01	-4.01E-02	-7.78E-02	-3.20E-13	-4.37E+00	-2.19E-13	-7.81E-13	-1.63E-01	-5.76E-13	-2.62E-13	-3.83E-02	-1.01E-01	-3.58E-02	-9.05E-03	-1.49E+00	-4.35E-01	-7.26E-16
	Max	1.50E+01	1.84E+00	1.34E+01	8.20E-03	1.99E-01	1.73E-13	4.22E-02	8.32E-02	1.29E-02	5.44E-02	4.07E-13	8.62E-01	2.77E-13	7.85E-13	5.95E-01	4.80E-13	5.95E-13	1.74E-01	6.18E-01	2.17E-01	4.67E-02	4.69E-01	5.17E-01	8.19E-16
	Normalized peak height	4.48E-01	2.14E-01	5.79E-02	7.89E-03	4.37E-02	3.07E-01	4.12E-02	2.75E-02	4.08E-02	3.88E-02	5.42E-01	4.05E-02	6.69E-01	6.11E-01	2.69E-02	3.15E-01	3.58E-01	3.01E-02	2.27E-02	2.65E-02	1.07E-01	9.28E-03	8.05E-03	3.12E-01
	Peak sensitivity value	6.29E-03	1.07E-03	2.58E-03	-1.67E-02	-2.02E-01	1.53E-17	1.53E-03	3.44E-03	2.89E-04	4.00E-04	-2.06E-16	3.34E-02	8.63E-17	7.75E-16	-6.96E-03	-2.30E-16	-1.66E-16	-1.49E-03	-1.18E-02	-3.27E-03	-4.69E-05	-7.42E-01	-3.42E-02	-4.43E-19
	Shapiro-Wilk score	4.680E-01	5.628E-01	7.127E-01	9.027E-01	5.945E-01	4.006E-01	6.840E-01	7.177E-01	6.989E-01	7.816E-01	2.523E-01	7.268E-01	2.353E-01	2.386E-01	7.469E-01	4.103E-01	3.809E-01	7.394E-01	7.614E-01	7.664E-01	6.236E-01	8.460E-01	9.693E-01	8.842E-01
NAD	Local	-4.87E-03	-2.10E-03	-3.80E-01	9.66E-04	1.17E-02	-3.24E-15	-8.00E-02	-1.75E-01	-1.50E-02	-4.53E-02	-6.78E-15	6.68E-01	0.00E+00	0.00E+00	2.72E-01	-3.23E-15	2.80E-15	-2.73E-02	-1.42E-01	-4.03E-02	-3.22E-03	-9.68E-03	-2.81E-02	2.62E-18
	Min	-2.45E+00	-8.72E-01	-2.38E+00	-6.00E-02	-1.71E+00	-4.63E-14	-6.55E-01	-9.07E-01	-3.66E-01	-6.28E-01	-2.96E-13	3.29E-02	-3.41E-13	-1.29E-12	1.37E-02	-7.81E-13	-3.49E-13	-2.29E-01	-6.75E-01	-2.57E-01	-4.32E-02	-5.67E-01	-2.44E-01	-2.66E-16
	Max	1.47E-01	2.06E-01	2.50E-01	3.82E-02	1.40E+00	5.08E-14	-1.79E-03	-5.29E-03	-5.63E-05	-6.48E-05	3.54E-13	2.87E+00	2.24E-13	1.17E-12	1.55E+00	3.71E-13	1.90E-13	-6.34E-04	-6.43E-03	-1.51E-03	-3.55E-05	1.73E-01	2.81E-03	2.90E-16
	Normalized peak height	3.94E-01	2.97E-01	6.90E-02	6.80E-02	1.23E-01	1.01E-01	7.85E-03	5.04E-03	2.36E-02	1.80E-02	4.09E-01	4.72E-03	7.13E-01	7.75E-01	5.38E-03	2.08E-01	1.81E-01	8.13E-03	4.93E-03	6.74E-03	1.64E-02	3.88E-02	1.75E-02	3.44E-01
	Peak sensitivity value	-1.93E-05	-6.75E-04	-1.93E-03	-5.43E-05	-1.61E-04	-2.61E-18	-2.89E-02	-4.81E-02	-2.43E-03	-2.26E-03	-3.13E-16	3.01E-01	3.02E-17	3.14E-16	9.90E-02	-2.45E-16	2.07E-16	-1.01E-02	-5.49E-02	-1.95E-02	-3.59E-04	3.47E-04	-3.44E-05	1.96E-19
	Shapiro-Wilk score	4.686E-01	4.014E-01	7.539E-01	7.645E-01	5.620E-01	7.434E-01	8.733E-01	8.628E-01	7.318E-01	7.473E-01	4.598E-01	8.987E-01	3.290E-01	3.136E-01	9.176E-01	6.101E-01	6.112E-01	8.346E-01	9.078E-01	8.612E-01	7.292E-01	7.227E-01	7.940E-01	5.528E-01
Extracellular acetaldehyde	Local	2.55E-02	1.10E-02	1.99E+00	8.78E-03	1.06E-01	-5.73E-15	-8.32E-02	-1.82E-01	-1.56E-02	-4.71E-02	-8.63E-15	-1.67E+00	0.00E+00	0.00E+00	2.84E-01	-5.10E-15	7.94E-15	6.82E-02	-4.25E-01	-1.21E-01	-9.62E-03	-7.39E-02	1.27E-01	1.05E-17
	Min	-1.31E+00	-6.02E-01	-5.90E-01	1.34E-05	1.33E-02	-1.59E-13	-5.69E-01	-5.16E-01	-8.76E-02	-3.11E-01	-8.38E-13	-3.85E+00	-6.12E-13	-3.99E-12	4.11E-03	-5.72E-13	-2.92E-13	1.73E-03	-9.02E-01	-3.33E-01	-1.74E-01	-3.80E-01	-1.53E-02	-5.05E-16
	Max	3.41E+00	1.60E+00	4.65E+00	1.22E-01	3.21E+00	1.27E-13	-9.77E-05	-5.70E-03	-7.63E-05	-1.25E-04	4.72E-13	-5.47E-01	4.07E-13	2.45E-12	7.05E-01	3.76E-13	3.67E-13	2.90E-01	-9.61E-02	-2.51E-02	-1.54E-04	8.28E-01	4.59E-01	6.88E-16
	Normalized peak height	2.26E-01	1.70E-01	3.97E-02	1.19E-02	2.73E-02	1.27E-01	5.35E-03	2.79E-03	6.18E-03	7.36E-03	3.68E-01	5.03E-03	6.11E-01	7.78E-01	2.42E-03	1.26E-01	1.25E-01	4.14E-03	3.15E-03	3.44E-03	1.59E-02	1.51E-02	2.62E-02	2.61E-01
	Peak sensitivity value	4.06E-03	1.64E-03	5.45E-03	5.20E-03	5.65E-02	3.53E-17	-2.99E-02	-9.67E-02	-8.26E-03	-1.05E-02	-8.24E-17	-1.21E+00	5.88E-17	4.69E-16	2.55E-01	-1.76E-17	-3.00E-16	4.35E-02	-4.09E-01	-1.03E-01	-3.02E-03	-6.40E-02	1.32E-04	1.62E-19
	Shapiro-Wilk score	6.041E-01	4.951E-01	8.971E-01	7.438E-01	6.050E-01	6.826E-01	9.090E-01	9.789E-01	9.156E-01	8.413E-01	4.372E-01	9.422E-01	3.213E-01	2.720E-01	9.877E-01	7.875E-01	7.456E-01	9.379E-01	9.853E-01	9.715E-01	6.836E-01	7.128E-01	9.829E-01	8.346E-01
Phosphoenolpyruvate	Local	1.38E-02	5.93E-03	1.08E+00	6.08E-03	7.36E-02	2.62E-15	1.11E-03	2.42E-03	2.08E-04	-1.20E+00	7.14E-14	2.22E-02	0.00E+00	0.00E+00	-3.77E-03	4.71E-15	-1.00E-15	-9.07E-04	-4.72E-03	-1.34E-03	-1.07E-04	-5.20E-02	6.64E-02	9.58E-18
	Min	-1.03E-01	-2.87E-02	-1.96E-01	5.58E-06	1.57E-02	-2.97E-13	-7.01E-03	-9.50E-03	-1.27E-03	-2.00E+00	-6.94E-13	-1.97E-01	-2.84E-13	-2.93E-13	-9.76E-02	-3.61E-13	-1.42E-13	-2.20E-02	-6.24E-02	-2.18E-02	-5.69E-03	-2.07E-01	-1.17E-02	-3.23E-16
	Max	1.43E+00	7.30E-01	1.67E+00	6.10E-02	1.46E+00	3.77E-13	4.01E-02	5.90E-02	9.17E-03	-1.05E+00	9.16E-13	4.55E-01	3.20E-13	2.72E-13	2.44E-02	1.68E-13	1.17E-13	7.66E-03	3.64E-02	5.72E-03	1.16E-03	3.95E-01	2.05E-01	7.73E-16
	Normalized peak height	1.46E-01	8.65E-02	2.15E-02	9.44E-03	2.06E-02	1.92E-01	3.25E-02	2.06E-02	3.94E-02	6.84E-03	4.44E-01	2.41E-02	6.59E-01	7.06E-01	2.19E-02	2.04E-01	2.06E-01	2.19E-02	1.62E-02	1.48E-02	6.06E-02	1.17E-02	6.33E-03	2.51E-01
	Peak sensitivity value	1.87E-03	1.27E-03	2.89E-03	4.37E-03	5.25E-02	-8.42E-17	3.58E-04	1.15E-03	6.31E-05	-1.11E+00	-5.47E-16	7.58E-03	-1.25E-16	8.41E-17	-1.51E-03	-2.18E-16	1.10E-16	-3.93E-04	-2.56E-03	-9.07E-04	-1.09E-05	-5.62E-02	1.78E-03	4.45E-19
	Shapiro-Wilk score	5.967E-01	5.033E-01	8.000E-01	8.294E-01	6.241E-01	4.722E-01	5.935E-01	6.552E-01	5.608E-01	8.639E-01	6.183E-01	6.772E-01	3.215E-01	3.173E-01	6.587E-01	6.350E-01	5.866E-01	6.667E-01	7.220E-01	7.136E-01	5.554E-01	7.577E-01	9.836E-01	7.793E-01

Fructose-6-Phosphate																								
Local	1.24E-02	5.33E-03	9.67E-01	8.44E-02	-3.38E-01	-8.95E-16	5.90E-03	1.29E-02	1.11E-03	3.34E-03	-2.13E-15	1.18E-01	0.00E+00	0.00E+00	-2.01E-02	-1.59E-15	-7.98E-17	-4.83E-03	-2.31E-02	-7.43E-03	-5.69E-04	-7.58E-01	-5.75E-02	-2.80E-17
Min	-3.02E-01	-1.04E+00	-9.14E+00	1.05E-02	-1.80E+01	-1.49E-13	-2.15E-01	-5.40E-01	-4.53E-02	-8.07E-02	-2.05E-13	-4.25E+00	-1.92E-13	-6.18E-13	-1.49E-01	-3.78E-13	-4.06E-13	-3.12E-02	-1.17E-01	-3.76E-02	-1.08E-02	-1.93E+00	-4.22E-01	-1.70E-15
Max	1.82E+01	5.31E+00	1.06E+01	3.23E-02	2.70E+00	9.38E-14	1.66E-02	9.86E-01	1.35E-02	7.10E-02	3.99E-13	7.76E-01	3.17E-13	1.88E-12	8.08E-01	4.10E-13	3.01E-13	2.32E-01	7.75E-01	1.79E-01	4.37E-02	3.76E+00	5.44E-01	1.22E-15
Normalized peak height	4.47E-01	2.30E-01	9.03E-02	4.91E-03	5.93E-02	2.77E-01	3.31E-02	3.53E-02	4.14E-02	3.87E-02	4.88E-01	3.61E-02	6.64E-01	8.03E-01	3.13E-02	2.58E-01	2.75E-01	3.52E-02	2.43E-02	2.12E-02	9.45E-02	2.53E-02	8.07E-03	3.20E-01
Peak sensitivity value	3.57E-03	-7.56E-04	1.01E-02	6.44E-02	-2.14E-01	8.98E-17	1.99E-03	5.04E-03	2.95E-04	2.43E-04	-1.85E-16	4.46E-02	6.00E-17	3.04E-16	-6.58E-03	2.29E-16	3.14E-16	-2.15E-03	-1.26E-02	-4.46E-03	-7.50E-05	-7.62E-01	-5.07E-02	8.84E-19
Shapiro-Wilk score	4.495E-01	5.490E-01	6.934E-01	9.284E-01	5.992E-01	4.336E-01	7.155E-01	7.427E-01	7.250E-01	7.912E-01	3.026E-01	7.494E-01	2.241E-01	2.101E-01	7.716E-01	4.758E-01	4.528E-01	7.746E-01	7.829E-01	7.879E-01	6.507E-01	8.398E-01	9.751E-01	7.979E-01
Extracellular cyanide																								
Local	-1.89E-03	-8.11E-04	-1.47E-01	-6.48E-04	-7.85E-03	4.27E-16	6.15E-03	1.34E-02	1.15E-03	3.48E-03	6.32E-16	1.23E-01	0.00E+00	0.00E+00	-2.09E-02	3.66E-16	-5.96E-16	-5.03E-03	3.14E-02	-6.50E-02	7.46E-02	5.46E-03	-9.35E-03	-7.74E-19
Min	-1.62E+00	-5.66E-01	-1.37E+00	-3.81E-02	-1.01E+00	-1.24E-14	2.84E-05	2.02E-04	1.06E-05	7.16E-06	-6.22E-14	3.46E-03	-3.89E-14	-1.88E-13	-2.02E-01	-7.77E-14	-5.66E-14	-2.98E-02	9.99E-04	-5.57E-01	3.32E-03	-2.82E-01	-1.14E-01	-7.31E-17
Max	2.16E-02	5.42E-02	1.82E-01	4.80E-04	5.39E-03	1.54E-14	5.69E-14	1.40E-01	1.68E-02	5.67E-02	4.70E-14	1.18E+00	5.69E-14	2.23E-13	-1.97E-04	9.82E-14	7.69E-14	-1.63E-04	5.34E-01	-3.12E-03	7.18E-01	1.20E-01	1.67E-03	3.50E-17
Normalized peak height	5.34E-01	3.91E-01	1.22E-01	6.03E-02	1.15E-01	2.09E-01	1.37E-02	1.17E-02	1.85E-02	2.77E-02	4.26E-01	1.15E-02	5.66E-01	7.88E-01	1.06E-02	2.39E-01	2.37E-01	6.74E-03	1.72E-02	8.94E-03	9.60E-03	6.71E-02	4.72E-02	2.80E-01
Peak sensitivity value	-6.57E-04	-1.10E-04	-4.74E-04	-1.56E-04	-1.24E-03	4.14E-18	1.17E-03	5.57E-03	3.21E-04	3.76E-04	3.60E-17	3.11E-02	-4.73E-17	-9.83E-17	-6.36E-03	-3.69E-17	-6.19E-17	-2.19E-03	1.03E-02	-2.61E-02	3.30E-02	1.44E-03	-9.02E-06	4.72E-20
Shapiro-Wilk score	4.330E-01	3.535E-01	6.827E-01	5.058E-01	4.858E-01	5.585E-01	7.282E-01	8.074E-01	7.325E-01	6.376E-01	3.024E-01	7.623E-01	2.402E-01	2.143E-01	7.944E-01	5.257E-01	4.826E-01	8.541E-01	6.841E-01	7.936E-01	7.769E-01	6.389E-01	7.439E-01	5.964E-01
Pyruvate																								
Local	9.01E-01	3.88E-01	7.04E+01	2.28E-01	2.76E+00	-6.96E-14	4.07E-02	8.91E-02	7.64E-03	2.31E-02	-7.79E+01	8.15E-01	0.00E+00	0.00E+00	-1.39E-01	-5.18E-14	1.49E-13	-3.34E-02	-1.73E-01	-4.93E-02	-3.93E-03	-1.87E+00	4.59E+00	2.26E-16
Min	-1.20E+00	-1.68E+00	-5.20E+01	4.07E-05	1.61E-02	-2.49E-10	-5.91E-01	-1.16E+00	-7.85E-02	-4.92E-01	-2.79E+04	-1.23E+01	-1.53E-11	-4.76E-11	-5.09E+02	-2.35E-10	-1.35E-10	-8.48E+01	-5.43E+02	-1.80E+02	-1.51E+01	-1.14E+03	-4.33E-03	-3.54E-13
Max	4.15E+03	7.32E+02	1.63E+04	9.50E+01	2.62E+04	5.59E-12	2.26E+02	3.23E+02	1.22E+01	2.21E+01	-1.46E+00	2.25E+03	8.70E-11	1.34E-10	1.71E+00	8.69E-11	1.01E-10	5.61E+01	1.98E+00	6.27E-01	9.59E-02	3.44E+02	8.95E+02	4.33E-14
Normalized peak height	8.95E-01	8.81E-01	9.40E-01	9.25E-01	9.89E-01	9.59E-01	9.76E-01	9.62E-01	9.38E-01	8.19E-01	9.51E-01	9.54E-01	9.86E-01	9.77E-01	9.76E-01	9.75E-01	9.77E-01	9.45E-01	9.51E-01	9.74E-01	9.67E-01	8.62E-01	9.12E-01	9.46E-01
Peak sensitivity value	8.81E-01	1.57E-01	5.33E+00	4.75E-02	1.31E+01	1.17E-13	-2.40E-02	-2.90E-02	1.30E-03	-7.31E-03	-1.54E+01	1.74E-01	-3.15E-14	-2.91E-14	-7.45E-02	3.19E-14	-9.00E-17	6.02E-03	7.63E-02	-4.75E-03	-2.91E-03	4.76E-01	4.43E-01	-1.52E-16
Shapiro-Wilk score	2.271E-02	3.227E-02	2.101E-02	3.200E-02	4.920E-03	1.365E-03	4.218E-03	6.998E-03	1.593E-02	1.698E-02	1.998E-02	1.271E-02	3.143E-03	6.450E-03	7.166E-03	1.064E-02	1.117E-02	1.005E-02	8.212E-03	6.700E-03	1.016E-02	2.400E-02	3.001E-02	5.455E-03
Extracellular ethanol																								
Local	1.01E-02	4.37E-03	7.02E-01	2.22E-03	2.81E-02	-3.81E-16	3.18E-03	2.01E-02	1.72E-03	5.20E-03	-1.74E-16	1.84E-01	-3.41E-16	-1.00E+00	-3.13E-02	-1.73E-16	1.29E-15	-7.52E-03	-3.91E-02	-1.11E-02	-8.85E-01	-1.89E-02	5.21E-02	2.33E-18
Min	-7.10E-01	-1.51E-01	-2.55E-01	-1.59E-03	-1.28E-02	-1.33E-14	1.17E-04	8.20E-04	6.06E-05	6.04E-05	-3.75E-14	1.54E-02	-2.72E-14	-1.00E+00	-2.34E-01	-7.80E-14	-3.86E-14	-5.51E-02	-1.52E-01	-4.88E-02	-1.58E-02	-2.22E-01	-1.43E-04	-4.84E-17
Max	9.27E-01	5.06E-01	1.84E+00	4.41E-02	9.71E-01	1.17E-14	7.89E-02	1.40E-01	2.47E-02	6.44E-02	4.17E-14	9.37E-01	4.79E-14	-1.00E+00	-1.42E-03	7.09E-14	4.98E-14	-4.90E-04	-5.43E-03	-1.34E-03	-7.20E-06	3.14E-01	1.81E-01	1.50E-16
Normalized peak height	2.26E-01	1.09E-01	3.87E-02	1.35E-02	2.32E-02	1.20E-01	8.54E-03	6.41E-03	1.43E-02	1.55E-02	3.30E-01	6.09E-03	3.55E-01	1.00E+00	6.54E-03	1.64E-01	1.42E-01	6.22E-03	4.16E-03	4.54E-03	1.87E-02	1.45E-02	1.92E-02	2.74E-01
Peak sensitivity value	1.45E-03	9.58E-04	1.78E-03	1.72E-03	2.21E-02	-5.09E-18	3.78E-03	8.84E-03	7.13E-04	8.64E-04	-9.39E-18	7.11E-02	2.90E-17	-1.00E+00	-1.55E-02	-3.03E-17	-4.40E-17	-5.27E-03	-2.40E-02	-8.43E-03	-1.58E-04	-2.79E-04	1.29E-04	-7.32E-20
Shapiro-Wilk score	5.853E-01	4.836E-01	8.158E-01	7.514E-01	5.785E-01	6.699E-01	8.211E-01	8.677E-01	7.626E-01	7.381E-01	5.140E-01	8.264E-01	4.412E-01	1.000E+00	8.615E-01	6.439E-01	6.182E-01	8.671E-01	9.280E-01	9.272E-01	7.221E-01	7.416E-01	9.787E-01	8.206E-01
Extracellular glycerol																								
Local	2.51E-02	1.08E-02	1.96E+00	8.63E-03	1.04E-01	8.14E-15	-8.18E-02	-1.79E-01	-1.53E-02	-4.63E-02	1.49E-14	-1.64E+00	0.00E+00	0.00E+00	2.79E-01	9.72E-15	-1.00E+00	6.70E-02	3.48E-01	9.89E-02	7.89E-03	-7.27E-02	1.24E-01	1.03E-17
Min	-5.29E-01	-5.19E-02	-5.01E-01	8.43E-06	1.92E-02	-1.30E-13	-4.51E-01	-4.91E-01	-8.79E-02	-3.36E-01	-6.20E-13	-3.54E+00	-1.32E-12	-5.57E-12	3.21E-03	-6.20E-13	-1.00E+00	1.33E-03	1.52E-02	2.18E-03	2.82E-04	-4.39E-01	-3.15E-02	-6.00E-16
Max	3.34E+00	1.53E+00	3.65E+00	1.37E-01	3.02E+00	1.39E-13	-1.58E-04	-3.91E-03	-9.69E-05	-1.04E-04	5.60E-13	-4.48E-01	7.77E-13	6.31E-12	6.77E-01	4.28E-13	-1.00E+00	2.78E-01	6.95E-01	3.58E-01	5.10E-02	8.69E-01	4.93E-01	5.61E-16
Normalized peak height	2.35E-01	1.25E-01	3.46E-02	1.40E-02	2.61E-02	9.05E-02	4.67E-03	2.81E-03	6.72E-03	8.00E-03	3.67E-01	5.17E-03	5.92E-01	7.68E-01	2.33E-03	9.42E-02	1.00E+00	3.93E-03	2.84E-03	3.59E-03	7.32E-03	1.67E-02	2.90E-02	2.60E-01
Peak sensitivity value	3.08E-03	1.08E-03	3.66E-03	6.08E-03	6.87E-02	1.26E-16	-4.19E-02	-1.29E-01	-7.34E-03	-8.32E-03	-1.05E-16	-1.19E+00	-8.89E-16	-4.52E-15	2.19E-01	-4.33E-16	-1.00E+00	4.33E-02	3.53E-01	7.57E-02	3.45E-03	-6.02E-02	2.64E-04	-1.87E-19
Shapiro-Wilk score	5.998E-01	4.882E-01	8.909E-01	7.479E-01	6.033E-01	7.524E-01	9.065E-01	9.790E-01	9.125E-01	8.387E-01	5.020E-01	9.473E-01	3.763E-01	3.140E-01	9.873E-01	8.046E-01	1.000E+00	9.376E-01	9.97 4E-01	9.675E-01	8.455E-01	7.137E-01	9.835E-01	8.442E-01
Extracellular glucose																								
Local	2.57E+00	-1.30E-02	-2.53E+00	-3.55E-03	-4.30E-02	8.97E-17	-5.98E-04	-1.31E-03	-1.12E-04	-3.38E-04	2.12E-16	-1.20E-02	0.00E+00	0.00E+00	2.04E-03	1.65E-16	1.51E-17	4.89E-04	2.54E-03	7.23E-04	5.76E-05	2.55E-02	5.83E-03	-3.53E-18
Min	2.73E-01	-2.14E+00	-2.48E+01	-2.15E-01	-2.16E+01	-1.15E-12	-3.50E-01	-5.66E-01	-9.14E-02	-7.60E-02	-4.81E-13	-5.86E+00	-5.25E-13	-1.07E-12	-8.05E-02	-5.40E-13	-5.01E-13	-2.01E-02	-8.09E-02	-2.60E-02	-9.13E-03	-1.33E+00	-2.24E-01	-4.97E-15
Max	2.61E+01	9.75E-01	1.08E+00	1.48E-02	2.97E-01	1.97E-13	3.10E-02	4.67E-02	7.38E-03	2.92E-02	3.23E-13	5.17E-01	1.54E-13	1.21E-12	9.10E-01	3.83E-13	6.19E-13	2.57E-01	1.18E+00	3.07E-01	4.78E-02	1.14E+00	5.65E-01	1.46E-15
Normalized peak height	1.33E-02	1.87E-01	3.53E-02	6.87E-02	2.11E-01	8.41E-01	3.42E-01	3.10E-01	2.77E-01	2.67E-01	7.84E-01	3.47E-01	7.94E-01	9.12E-01	2.81E-01	4.67E-01	7.06E-01	2.47E-01	3.11E-01	2.78E-01	4.23E-01	7.68E-02	9.34E-02	6.28E-01
Peak sensitivity value	8.03E-01	-2.58E-03	-1.59E-02	-4.59E-04	-2.08E-02	-3.40E-16	-3.86E-05	-1.90E-04	-7.27E-05	-7.50E-05	6.35E-17	-2.25E-03	2.52E-16	1.97E-17	1.98E-04	4.41E-16	1.97E-16	2.33E-04	4.82E-04	1.04E-04	3.33E-06	6.33E-03	1.54E-03	1.35E-18
Shapiro-Wilk score	7.544E-01	6.579E-01	6.788E-01	6.655E-01	4.563E-01	5.563E-02	3.772E-01	4.043E-01	3.418E-01	4.268E-01	1.319E-01	4.228E-01	6.645E-02	5.880E-02	4.120E-01	2.560E-01	1.978E-01	3.887E-01	4.401E-01	4.375E-01	3.369E-01	7.274E-01	6.380E-01	2.024E-01
1-3-Bisphosphoglycerate																								
Local	1.07E-02	4.61E-03	8.37E-01	4.44E-02	5.38E-01	5.30E-16	8.28E-03	1.81E-02	-2.84E-01	-8.56E-01	3.50E-14	1.66E-01	0.00E+00	0.00E+00	-2.82E-02	6.06E-16	-4.86E-16	-6.78E-03	-3.52E-02	-1.00E-02	-7.98E-04	-3.98E-01	-7.28E-03	7.56E-17
Min	-1.05E+01	-1.20E+00	-1.15E+01	-2.68E-03	-3.71E-01	-4.18E-13	-7.86E-03	-1.55E-02	-9.44E-01	-1.70E+00	-3.74E-13	-1.54E-01	-4.06E-13	-1.06E-12	-6.46E-01	-4.43E-13	-3.21E-13	-1.05E-01	-7.38E-01	-1.30E-01	-2.52E-02	-1.05E+00	-6.00E-01	-2.45E-15
Max	1.35E+00	6.41E-01	1.46E+00	2.05E-01	1.08E+01	3.50E-13	2.04E-01	3.34E-01	-4.86E-02	-6.33E-02	4.78E-13	4.23E+00	3.41E-13	7.48E-13	2.42E-02	5.40E-13	4.44E-13	3.21E-03	1.61E-02	5.67E-03	1.77E-03	4.93E-01	8.03E-02	4.22E-15
Normalized peak height	4.35E-01	1.71E-01	8.84E-02	1.08E-02	2.97E-02	1.48E-01	2.50E-02	1.65E-02	3.03E-03	3.69E-03	2.88E-01	2.69E-02	6.45E-01	7.49E-01	1.92E-02	1.95E-01	2.26E-01	1.27E-02	1.92E-02	1.25E-02	3.57E-02	1.13E-02	1.56E-02	2.52E-01
Peak sensitivity value	1.88E-03	5.88E-04	3.18E-03	1.15E-04	3.26E-01	1.66E-17	3.27E-03	8.81E-03	-2.57E-01	-8.10E-01	-3.54E-16	5.90E-02	-1.52E-16	-1.45E-16	-1.71E-02	4.38E-17	-2.02E-17	-3.79E-03	-1.90E-02	-6.74E-03	-7.99E-05	-4.09E-01	5.07E-03	-2.22E-18
Shapiro-Wilk score	5.633E-01	6.197E-01	8.074E-01	9.645E-01	6.603E-01	4.860E-01	6.614E-01	7.525E-01	9.635E-01	9.991E-01	7.498E-01	7.255E-01	3.647E-01	2.924E-01	7.366E-01	5.507E-01	5.225E-01	7.577E-01	7.871E-01	7.830E-01	6.300E-01	8.478E-01	7.672E-01	8.597E-01
Fructose 1-6-bisphosphate																								
Local	4.60E-02	1.98E-02	3.59E+00	2.43E-02	2.94E-01	-9.76E-02	-8.09E-02	-1.00E+00	-8.59E-02	-2.59E-01	2.20E-14	-2.18E+00	0.00E+00	0.00E+00	-9.76E-01	1.28E-14	-8.30E-15	8.90E-02	4.63E-01	1.31E-01	1.05E-02	-2.10E-01	2.16E-01	3.37E-17
Min	-3.57E+00	-5.87E-01	-4.08E+00	4.27E-05	4.88E-02	-6.05E-01	-1.17E+00	-2.27E+01	-4.78E-01	-1.89E+00	-1.01E-12	-5.76E+01	-1.35E-12	-4.40E-12	-5.54E+01	-1.10E-12	-7.44E-13	-2.58E-03	-1.72E-02	-2.71E-03	-2.52E-04	-4.05E+00	-2.15E-01	-6.85E-16
Max	5.68E+01	1.48E+01	1.03E+02	1.05E+00	2.78E+01	-1.23E-02	4.57E-01	-7.01E-02	-3.93E-03	-1.19E-03	1.04E-12	2.13E-01	5.36E-13	2.61E-12	-7.39E-02	1.23E-12	2.00E-12	7.14E-01	2.88E+00	6.44E-01	3.03E-01	5.06E+00	5.49E+00	2.03E-15
Normalized peak height	5.55E-01	3.43E-01	1.71E-01	3.53E-02	7.59E-02	5.25E-03	4.95E-03	2.15E-02	6.32E-03	7.32E-03	3.93E-01	2.75E-02	5.94E-01	7.56E-01	4.74E-02	1.62E-01	2.20E-01	7.60E-03	6.39E-03	5.04E-03	3.20E-02	3.84E-02	4.76E-02	2.53E-01
Peak sensitivity value	2.20E-02	4.23E-03	2.69E-02	1.53E-02	1.74E-01	-7.06E-02	-6.37E-02	-1.10E+00	-6.11E-02	-7.96E-02	-3.05E-17	-1.15E+00	-7.38E-16	1.95E-15	-7.66E-01	2.69E-16	-5.00E-16	3.65E-02	3.52E-01	6.87E-02	1.72E-03	-1.69E-01	-1.61E-03	4.28E-20
Shapiro-Wilk score	5.623E-01	4.627E-01	7.877E-01	6.642E-01	6.244E-01	8.895E-01	9.817E-01	8.431E-01	9.260E-01	8.473E-01	4.504E-01	7.816E-01	3.519E-01	3.364E-01	5.796E-01	6.884E-01	6.324E-01	8.782E-01	9.574E-01	9.129E-01	7.348E-01	7.900E-01	9.005E-01	8.249E-01
AMP																								
Local	4.17E-03	1.79E-03	3.25E-01	-6.74E-02	-8.16E-01	2.40E-15	-1.26E-02	-2.76E-02	-2.37E-03	-7.14E-03	6.43E-15	-2.52E-01	0.00E+00	0.00E+00	1.30E-02	3.70E-15	2.03E-16	1.03E-02	3.37E-02	1.52E-02	1.22E-03	6.08E-01	1.23E-01	6.38E-17
Min	-3.67E-01	-4.33E-01	-4.63E+00	-3.10E-01	-1.98E+01	-1.01E-13	-4.36E-01	-7.70E-01	-7.81E-02	-1.65E-01	-5.64E-13	-6.24E+00	-1.95E-13	-1.63E-12	1.07E-03	-7.20E-13	-1.67E-12	4.56E-04	6.50E-03	1.42E-03	7.84E-06	-3.62E-01	8.88E-04	-1.27E-14
Max	1.98E+01	2.54E+00	1.86E+01	-4.93E-06	-2.17E-01	4.08E-12	-2.14E-04	-5.67E-04	-6.72E-05	-2.85E-05	7.96E-13	-1.86E-02	5.40E-13	3.80E-12	1.14E+00	6.15E-13	4.90E-13	1.96E-01	6.96E-01	2.01E-01	3.81E-02	2.14E+00	1.10E+00	5.40E-15
Normalized peak height	5.45E-01	3.27E-01	1.28E-01	1.36E-02	3.75E-02	4.98E-01	3.14E-02	2.34E-02	3.17E-02	2.70E-02	4.26E-01	2.50E-02	5.59E-01	6.22E-01	2.11E-02	1.92E-01	3.25E-01	1.54E-02	1.18E-02	1.28E-02	3.19E-02	1.92E-02	7.75E-03	2.51E-01
Peak sensitivity value	5.48E-03	-1.30E-03	-4.99E-04	-1.60E-04	-4.81E-01	1.98E-13	-4.35E-03	-1.10E-02	-8.09E-04	-1.27E-03	-6.08E-16	-9.02E-02	-8.03E-17	2.61E-15	1.98E-02	4.12E-16	3.23E-17	4.85E-03	3.31E-02	1.05E-02	1.41E-04	6.03E-01	1.37E-01	5.47E-18
Shapiro-Wilk score	3.436E-01	4.975E-01	5.669E-01	9.718E-01	6.246E-01	3.928E-02	6.759E-01	7.402E-01	6.930E-01	6.799E-01	3.996E-01	7.336E-01	3.007E-01	2.303E-01	7.388E-01	5.858E-01	4.449E-01	7.600E-01	7.995E-01	7.799E-01	6.376E-01	8.098E-01	9.354E-01	6.783E-01
ATP																								
Local	-1.59E-03	-6.83E-04	-1.24E-01	2.57E-02	3.11E-01	-8.56E-16	1.80E-03	1.05E-02	1.01E-04	2.72E-03	-2.17E-15	3.61E-02	0.00E+00	0.00E+00	-1.64E-02	-1.37E-15	-6.97E-17	-3.93E-03	-2.04E-02	-5.81E-03	-4.63E-04	-2.32E-01	-4.68E-02	2.55E-17
Min	-1.70E+01	-1.52E+00	-9.88E+00	1.57E-05	6.69E-02	-1.25E-13	2.35E-05	2.35E-04	2.53E-05	2.27E-05	-4.42E-13	5.52E-03	-2.09E-13	-1.20E-12	-7.27E-01	-5.94E-13	-5.30E-13	-3.96E-01	-6.54E-01	-2.10E-01	-5.28E-02	-1.40E+00	-7.47E-01	-9.90E-16
Max	9.85E-01	1.06E+00	1.59E+00	1.94E-01	1.81E+01	1.10E-13	4.18E-01	4.35E-01	7.35E-02	1.21E-01	3.94E-13	5.43E+00	4.82E-13	3.45E-12	-4.96E-04	7.47E-13	7.21E-13	-1.82E-04	-1.96E-03	-4.95E-04	-2.26E-06	7.57E-01	-5.67E-03	7.81E-16
Normalized peak height	5.58E-01	5.13E-01	1.02E-01	7.17E-03	5.57E-02	2.45E-01	6.40E-02	2.85E-02	6.40E-02	4.00E-02	4.37E-01	4.67E-02	6.38E-01	8.21E-01	2.87E-02	2.96E-01	3.67E-01	6.40E-02	2.40E-02	2.62E-02	9.99E-02	1.17E-02	1.07E-02	2.92E-01
Peak sensitivity value	2.51E-03	-3.02E-04	1.76E-02	1.66E-02	1.66E-01	1.02E-16	1.90E-03	4.37E-03	2.83E-04	5.68E-04	3.00E-02	2.23E-16	-9.83E-16	-9.83E-16	-6.67E-03	-3.57E-16	-2.95E-16	-1.97E-03	-1.08E-02	-3.33E-03	-8.14E-05	-2.20E-01	-4.76E-02	-7.49E-19
Shapiro-Wilk score	2.734E-01	4.562E-01	4.731E-01	8.936E-01	6.070E-01	4.744E-01	5.530E-01	6.249E-01	5.415E-01	5.808E-01	3.273E-01	6.391E-01	2.082E-01	1.387E-01	6.165E-01	4.502E-01	4.208E-01	6.216E-01	6.863E-01	6.743E-01	5.272E-01	8.236E-01	8.114E-01	8.794E-01
NADH																								
Local	9.35E-03	4.03E-03	7.30E-01	-1.86E-03	-2.25E-02	6.21E-15	1.54E-01	3.36E-01	2.88E-02	8.69E-02	1.30E-14	-1.28E+00	0.00E+00	0.00E+00	-5.23E-01	6.20E-15	-5.37E-15	5.25E-02	2.73E-01	7.75E-02	6.18E-03	1.86E-02	5.39E-02	-5.02E-18
Min	-8.59E-02	-2.91E-02	-2.42E-01	-2.60E-02	-1.17E+00	-1.46E-13	1.18E-03	2.09E-02	5.31E-04	5.51E-04	-8.32E-13	-2.36E+00	-4.95E-13	-4.05E-12	-1.01E+00	-5.60E-13	-2.02E-13	3.56E-04	4.70E-03	5.96E-04	1.77E-04	-1.63E-01	-3.05E-03	-3.08E-16
Max	1.98E+00	7.25E-01	1.93E+00	5.04E-02	1.40E+00	1.30E-13	8.36E-01	7.17E-01	1.66E-01	4.14E-01	6.18E-13	-5.99E-02	8.00E-13	3.85E-12	-3.38E-02	3.08E-13	2.60E-13	2.82E-01	6.89E-01	3.40E-01	3.68E-02	4.06E-01	2.39E-01	2.07E-16
Normalized peak height	2.03E-01	1.63E-01	4.20E-02	2.05E-02	3.10E-02	1.09E-01	5.76E-03	3.55E-03	6.31E-03	4.96E-03	4.05E-01	4.98E-03	5.62E-01	7.79E-01	4.78E-03	1.08E-01	1.14E-01	4.67E-03	3.35E-03	3.96E-03	6.69E-03	1.07E-02	1.13E-02	2.75E-01
Peak sensitivity value	1.77E-03	7.04E-04	2.05E-03	6.75E-05	-9.61E-03	2.62E-17	1.17E-01	3.25E-01	1.98E-02	2.10E-02	-2.68E-17	-1.06E+00	-6.23E-16	2.22E-15	-5.29E-01	1.11E-16	-5.96E-17	3.38E-02	2.67E-01	7.04E-02	2.17E-03	-3.49E-04	-2.64E-05	1.17E-19
Shapiro-Wilk score	5.844E-01	4.832E-01	9.308E-01	9.045E-01	6.236E-01	7.050E-01	9.298E-01	9.980E-01	9.122E-01	8.941E-01	4.752E-01	9.873E-01	3.655E-01	3.052E-01	9.744E-01	8.237E-01	7.894E-01	9.404E-01	9.932E-01	9.670E-01	8.460E-01	8.664E-01	9.599E-01	7.770E-01

Table S24: Concentration control coefficients for *Saccharomyces cerevisiae* model with parameter variation of 0.1 – 10×

	(GluceMixedflowtoextracellularmedium)	(Gluceseptake)	(Hexokinase)	(Phosphoglucoisomerase)	(Phosphofructokinase)	(Aldolase)	(Triosephosphateisomerase)	(Glyceraldehyde3-phosphatedehydrogenase)	(Phosphoenolpyruvatesynthesis)	(Pyruvatekinase)	(Pyruvatedecarboxylase)	(Alcoholdehydrogenase)	(Ethanolout)	(Ethanolflow)	(Glycerolsynthesis)	(Glycerolout)	(Glycerolflow)	(Acetaldehydeout)	(Acetaldehydeflow)	(Cyanide-Acetaldehydeflow)	(Cyanideflow)	(Storage)	(ATPconsumption)	(Adenylatekinase)
Acetaldehyde																								
Local	2.55E-02	1.10E-02	1.99E+00	8.76E-03	1.06E-01	-5.75E-15	-8.30E-02	-1.82E-01	-1.56E-02	-4.70E-02	-7.51E-15	-1.66E+00	0.00E+00	0.00E+00	2.83E-01	-5.12E-15	7.96E-15	-6.23E-02	-3.24E-01	-9.20E-02	-7.34E-03	-7.38E-02	1.26E-01	1.05E-17
Min	-3.79E+00	-4.13E+00	-1.68E+03	1.16E+00	-4.38E+01	-6.99E-11	-9.29E+00	-9.11E+01	-9.17E+01	-8.65E+01	-7.05E-11	-1.66E+03	-5.10E-11	-1.73E-10	-1.97E+02	-8.20E-10	-1.13E-10	-3.38E+02	-1.46E+03	-1.55E+02	-5.52E+00	-1.38E+01	-9.38E+03	-5.50E-09
Max	INF	INF	INF	3.99E-03	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF
Normalized peak height	5.31E-01	2.92E-01	5.84E-01	3.15E-01	3.00E-01	9.60E-01	4.62E-01	6.55E-01	9.94E-01	8.54E-01	1.63E-02	9.68E-01	9.59E-01	9.82E-01	5.91E-01	9.65E-01	9.82E-01	7.84E-01	9.97E-01	8.05E-01	6.37E-01	4.41E-01	9.89E-01	1.00E+00
Peak sensitivity value	6.80E-03	2.13E-02	-4.86E+00	8.97E-03	3.40E-02	-2.81E-14	-5.63E-02	1.97E-02	2.34E-02	1.63E-02	3.92E-14	-1.31E+00	-7.72E-16	3.84E-02	-6.19E-02	-1.43E-12	-5.89E-16	-3.08E-01	-1.08E+00	-4.35E-03	-1.08E-03	-5.04E-02	2.25E+00	2.17E-10
Shapiro-Wilk score	5.629E-01	6.775E-01	8.977E-03	4.836E-01	6.851E-01	3.581E-02	2.239E-01	7.958E-02	1.542E-03	4.869E-02	1.098E-02	2.736E-02	3.841E-02	4.380E-03	1.016E-01	4.830E-03	1.563E-02	5.901E-02	1.008E-02	5.018E-02	2.628E-01	5.832E-01	4.475E-03	4.923E-05
Cytosolic glucose																								
Local	2.04E+00	8.77E-01	-3.34E+00	7.30E-03	8.83E-02	4.39E-16	-2.81E-03	-6.15E-03	-5.28E-04	-1.59E-03	1.00E-15	-5.63E-02	0.00E+00	0.00E+00	9.58E-03	7.63E-16	4.37E-17	2.30E-03	1.20E-02	3.40E-03	2.71E-04	3.43E-01	2.74E-02	7.34E-18
Min	-1.53E+02	-2.93E+02	-8.45E+04	-8.56E+02	-4.39E+03	-1.74E-10	-1.15E+02	-1.45E+02	-6.02E+00	-3.37E+02	-7.63E-11	-2.36E+03	-2.73E-11	-1.28E-10	-1.35E+01	-6.21E-10	-4.34E-10	-1.19E+01	-5.65E+01	-1.50E+01	-4.08E+00	-1.84E+02	-1.66E+01	-4.37E-12
Max	5.53E+04	2.71E+04	4.35E+02	6.27E+01	3.10E+02	1.78E-10	1.49E+01	6.49E+00	1.47E+01	1.90E+00	1.46E-11	1.10E+02	1.16E-11	9.50E-11	2.99E+02	4.44E-10	3.01E-10	3.66E+02	7.24E+02	1.89E+02	3.29E+01	2.69E+03	1.40E+03	2.26E-08
Normalized peak height	9.96E-01	9.95E-01	9.99E-01	9.87E-01	9.84E-01	9.79E-01	9.76E-01	4.87E-01	8.96E-01	9.91E-01	9.94E-01	9.69E-01	9.79E-01	9.75E-01	9.66E-01	9.69E-01	9.94E-01	9.44E-01	9.86E-01	9.74E-01	9.67E-01	7.29E-01	8.25E-01	1.00E+00
Peak sensitivity value	-1.48E+01	-5.26E+00	-3.20E+01	-2.21E-01	-2.20E+00	1.33E-13	-3.28E-02	-8.09E-02	2.54E-03	3.07E-02	-5.63E-14	1.61E-01	-1.88E-14	-9.17E-14	8.48E-02	2.88E-13	2.53E-14	-1.39E-02	6.81E-02	8.52E-03	3.16E-04	1.54E+00	-3.70E-01	6.92E-12
Shapiro-Wilk score	7.384E-04	1.821E-03	7.139E-04	7.792E-03	1.073E-02	8.235E-03	1.018E-02	2.374E-02	7.635E-03	4.003E-03	3.168E-03	1.095E-02	1.519E-02	7.679E-03	1.329E-02	2.034E-02	4.857E-03	1.299E-02	8.972E-03	8.917E-03	1.126E-02	1.385E-02	1.418E-02	4.739E-05
Glycerol																								
Local	2.51E-02	1.08E-02	1.96E+00	8.63E-03	1.04E-01	8.13E-15	-8.18E-02	-1.79E-01	-1.53E-02	-4.63E-02	1.53E-14	-1.64E+00	0.00E+00	0.00E+00	2.79E-01	-5.98E-01	-4.02E-01	6.70E-02	3.48E-01	9.89E-02	7.89E-03	-7.27E-02	1.24E-01	1.03E-17
Min	-2.59E+00	-2.58E+00	-4.32E+02	-1.92E+00	-6.03E+00	-3.93E-11	-5.61E+00	-1.01E+01	-3.72E+00	-7.77E+01	-7.28E-11	-9.53E+01	-8.15E-11	-2.48E-10	-1.94E+02	-9.99E-01	-9.97E-01	-2.70E+02	-4.09E+02	-1.24E+02	-1.39E+00	-1.56E+01	-2.11E+03	-5.88E-09
Max	6.73E+01	3.33E+01	2.12E+03	1.33E+01	2.04E+01	4.10E-11	5.17E+01	1.92E+02	5.46E+00	3.86E+00	5.77E-11	5.73E+02	1.74E-10	9.55E-10	8.40E+00	-2.65E-03	-7.29E-04	4.10E+01	4.84E+01	5.86E+00	6.92E-01	1.06E+01	4.32E+02	8.09E-09
Normalized peak height	5.99E-01	2.36E-01	8.76E-01	3.50E-01	1.52E-01	9.48E-01	6.63E-01	5.96E-01	8.02E-01	9.11E-01	9.68E-01	6.68E-01	9.43E-01	9.76E-01	5.69E-01	4.55E-03	4.55E-03	6.39E-01	8.68E-01	4.40E-01	3.48E-01	1.28E-01	9.63E-01	1.00E+00
Peak sensitivity value	2.84E-02	-1.26E-02	1.17E-01	3.25E-03	4.52E-02	2.40E-14	-2.87E-02	-1.12E-01	3.33E-03	-1.63E-02	5.54E-14	-6.78E-01	1.10E-13	-5.14E-13	1.62E-02	-9.36E-01	-6.40E-02	1.73E-01	1.87E-01	9.36E-02	-5.91E-04	1.09E-03	4.10E-01	-6.17E-12
Shapiro-Wilk score	5.706E-01	6.778E-01	4.173E-02	4.629E-01	6.973E-01	3.227E-02	2.584E-01	8.363E-02	3.736E-02	4.822E-02	1.166E-02	7.914E-02	2.690E-02	6.692E-03	1.188E-01	8.194E-01	8.191E-01	9.881E-02	4.586E-02	7.172E-02	3.701E-01	6.444E-01	1.964E-02	1.655E-04
EtOH																								
Local	1.01E-02	4.37E-03	7.92E-01	2.32E-03	2.81E-02	-3.86E-16	9.18E-03	2.01E-02	1.72E-03	5.20E-03	-7.43E-17	1.84E-01	-1.45E-01	-8.55E-01	-3.13E-02	-1.63E-16	1.29E-15	-7.52E-03	-3.91E-02	-1.11E-02	-8.85E-04	-1.89E-02	5.21E-02	2.13E-18
Min	-1.16E+01	-9.51E+00	-2.29E+00	-2.19E+00	-1.49E+01	-2.48E-11	-2.20E-01	-8.29E+00	-3.23E-01	-1.50E-01	-1.69E-11	-1.55E+01	-9.93E-01	-1.00E+00	-1.02E+03	-2.84E-10	-1.18E-10	-4.96E+02	-3.97E+02	-2.25E+02	-1.98E+00	-1.58E+01	-1.86E+03	-1.42E-09
Max	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF
Normalized peak height	2.66E-01	1.98E-01	9.38E-01	2.40E-01	1.83E-01	9.74E-01	9.32E-01	8.91E-01	9.79E-01	8.74E-01	9.98E-01	9.62E-01	1.44E-03	1.44E-03	9.88E-01	9.10E-01	9.88E-01	9.74E-01	9.12E-01	9.61E-01	5.17E-01	1.84E-01	9.77E-01	1.00E+00
Peak sensitivity value	-3.23E-03	8.11E-03	6.16E-01	1.22E-03	2.38E-02	-6.15E-16	1.11E-02	-3.57E-01	1.23E-03	-7.05E-03	8.24E-14	5.42E-01	-2.66E-02	-9.73E-01	-1.26E-01	-5.15E-13	-9.18E-14	-1.62E-01	-6.62E-02	-3.45E-02	-1.22E-03	-7.43E-03	-4.35E-01	4.10E-14
Shapiro-Wilk score	6.180E-01	7.262E-01	2.898E-02	4.991E-01	7.067E-01	2.223E-02	3.185E-02	6.470E-03	1.235E-02	4.898E-02	3.293E-04	3.127E-02	9.675E-01	9.675E-01	8.679E-03	1.038E-02	5.181E-03	1.639E-02	2.695E-02	1.742E-02	2.917E-01	5.595E-01	1.515E-02	1.090E-04
ADP																								
Local	1.29E-03	5.55E-04	1.31E-01	-2.09E-02	-2.53E-01	6.63E-16	-3.90E-03	-8.54E-03	-7.33E-04	-2.21E-03	1.57E-15	-7.81E-02	0.00E+00	0.00E+00	1.33E-02	1.09E-15	5.21E-17	3.20E-03	1.66E-02	4.72E-03	3.76E-04	1.88E-01	3.81E-02	-4.97E-17
Min	-2.47E+01	-3.81E+00	-1.31E+02	-2.18E+00	-1.02E+01	-2.98E-10	-1.10E+00	-9.90E+01	-1.05E+00	-5.38E+00	-1.84E-11	-1.05E+02	-7.28E-11	-4.40E-10	-8.81E+01	-2.15E-10	-4.36E-11	-3.35E+02	-3.04E+02	-5.57E+01	-3.76E-01	-8.44E+00	-8.28E+02	-1.16E-09
Max	7.21E+00	4.58E+00	8.29E+02	2.27E+00	2.50E+01	3.60E-11	4.94E+01	8.09E+01	7.45E+00	7.90E+00	2.57E-11	6.73E+02	1.92E-11	8.63E-11	1.02E+02	1.11E-09	1.01E-10	5.06E+01	4.09E+01	1.35E+01	2.15E-01	3.14E+00	1.27E+02	1.31E-09
Normalized peak height	7.21E-01	3.33E-01	8.84E-01	2.13E-01	1.47E-01	9.80E-01	9.20E-01	9.79E-01	9.90E-01	8.66E-01	9.90E-01	8.76E-01	9.88E-01	9.90E-01	9.49E-01	9.88E-01	9.78E-01	9.87E-01	9.74E-01	9.05E-01	5.56E-01	6.71E-02	6.34E-01	9.99E-01
Peak sensitivity value	-9.84E-03	3.85E-03	1.72E-01	-1.25E-03	-1.22E-02	-1.53E-13	-1.90E-02	2.37E-02	7.87E-05	5.61E-03	3.50E-15	3.00E-01	-8.00E-15	-2.34E-13	-5.21E-02	3.87E-13	5.50E-14	-9.11E-02	5.31E-03	-2.54E-02	-2.63E-04	-2.57E-03	-4.55E-01	-6.25E-13
Shapiro-Wilk score	2.114E-01	5.620E-01	2.598E-02	7.235E-01	7.274E-01	1.885E-03	2.210E-02	1.918E-02	4.535E-03	5.977E-02	6.269E-03	3.148E-02	7.730E-03	1.135E-03	2.477E-02	4.830E-03	9.480E-03	1.555E-02	1.812E-02	2.299E-02	3.125E-01	8.814E-01	2.112E-02	6.058E-04
Glyceraldehyde 3-phosphate																								
Local	2.26E-02	9.73E-03	1.76E+00	1.27E-02	1.54E-01	6.19E-15	1.56E-01	-5.55E-01	-4.76E-02	-1.44E-01	1.37E-14	-1.23E+00	0.00E+00	0.00E+00	-5.32E-01	7.05E-15	-4.91E-15	5.03E-02	2.61E-01	7.42E-02	5.92E-03	-1.10E-01	1.05E-01	1.80E-17
Min	-9.61E+00	-5.72E+00	-1.06E+02	-1.64E+00	-1.43E+01	-9.12E-10	-9.38E-01	-3.92E+02	-7.19E-01	-2.49E+03	-9.11E-11	-3.24E+02	-6.72E-11	-3.08E-10	-5.54E+02	-6.25E-10	-3.21E-10	-1.05E+03	-4.44E+02	-1.14E+02	-2.30E+00	-8.11E+01	-2.69E+03	-8.38E-11
Max	7.58E+02	6.70E+02	2.69E+03	1.56E+02	5.77E+02	5.90E-10	2.96E+01	5.48E+02	6.77E+00	1.23E+01	9.16E-11	1.61E+03	8.22E-10	2.24E-10	2.19E+01	1.70E-08	2.19E-09	1.17E+02	1.25E+02	4.68E+01	1.10E+01	1.34E+02	1.28E+02	2.19E-07
Normalized peak height	7.61E-01	6.98E-01	9.43E-01	8.06E-01	7.06E-01	9.97E-01	1.93E-01	8.36E-01	7.37E-01	8.82E-01	9.87E-01	4.80E-01	9.92E-01	9.76E-01	4.80E-01	9.98E-01	9.92E-01	9.40E-01	5.75E-01	4.54E-01	6.76E-01	5.48E-01	9.69E-01	1.00E+00
Peak sensitivity value	-1.88E-02	2.04E-02	1.30E+00	2.15E-02	1.52E-01	2.18E-13	2.37E-02	-4.22E-01	-3.80E-03	1.07E-00	1.67E-13	-8.34E-01	-1.18E-13	1.67E-13	-8.34E-01	-5.20E-13	-1.05E-12	1.13E-01	3.76E-01	1.04E-01	-3.22E-03	-5.23E-02	-6.81E-03	2.57E-11
Shapiro-Wilk score	7.906E-02	1.071E-01	4.297E-02	9.828E-02	1.443E-01	2.278E-03	4.605E-01	1.152E-01	1.448E-01	1.217E-02	1.056E-02	9.585E-02	2.978E-03	1.414E-02	1.578E-01	5.112E-04	7.222E-04	3.480E-02	8.559E-02	1.044E-01	1.342E-01	3.407E-01	1.481E-02	5.007E-05
Dihydroxyacetone phosphate																								
Local	2.40E-02	1.03E-02	1.88E+00	1.23E-02	1.49E-01	5.18E-15	-2.24E-01	-4.91E-01	-4.21E-02	-1.27E-01	1.04E-14	-1.03E+00	0.00E+00	0.00E+00	-4.89E-01	6.32E-15	-3.90E-15	4.23E-02	2.20E-01	6.25E-02	4.99E-03	-1.06E-01	1.13E-01	1.69E-17
Min	-1.50E+01	-2.81E+01	-6.05E+01	INF	INF	-3.09E-10	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF
Max	INF	INF	INF	1.84E-02	-2.48E+00	INF	-1.72E+03	-5.11E+02	-6.01E-01	-1.21E+03	-6.47E-11	-2.54E+02	-4.09E-11	-1.55E-10	-5.69E+02	-1.10E-09	-5.64E-10	-5.87E+02	-6.84E+02	-1.91E+02	-2.20E+01	-6.85E+02	-1.97E+03	-7.03E-08
Normalized peak height	9.31E-01	6.64E-01	5.36E-01	9.11E-01	6.93E-01	9.92E-01	8.67E-01	4.95E-01	9.46E-01	9.18E-01	9.87E-01	6.05E-01	9.13E-01	8.79E-01	5.25E-01	9.54E-01	9.90E-01	8.27E-01	9.05E-01	8.55E-01	9.01E-01	7.35E-01	8.48E-01	1.00E+00
Peak sensitivity value	5.11E-01	-2.95E-01	-4.28E-01	1.34E-02	-5.15E-02	-1.55E-13	5.05E-01	1.35E-01	-7.30E-03	1.07E-00	1.41E-13	5.22E-14	1.33E-02	1.67E-13	-9.12E-01	-8.56E-13	-1.05E-12	1.13E-01	3.76E-01	1.04E-01	2.97E-03	6.96E-02	9.76E-01	-1.20E-11
Shapiro-Wilk score	4.162E-02	6.141E-02	4.972E-02	2.767E-02	6.366E-02	4.191E-03	1.109E-02	1.219E-01	4.665E-02	1.989E-02	4.678E-03	7.654E-02	3.100E-02	1.962E-02	1.369E-01	1.265E-02	4.889E-03	5.701E-02	4.453E-02	5.554E-02	8.281E-02	1.094E-01	1.735E-02	6.026E-05
Glucose-6-Phosphate																								
Local	1.37E-02	5.88E-03	1.07E+00	-2.72E-02	-3.29E-01	-8.33E-16	5.10E-03	1.11E-02	9.57E-04	2.89E-03	-1.82E-15	1.02E-01	0.00E+00	0.00E+00	-1.74E-02	-1.37E-15	-6.86E-17	-4.17E-03	-2.17E-02	-6.16E-03	-4.92E-04	-7.52E-01	-4.97E-02	-2.72E-17
Min	-6.38E+00	-9.28E+00	-7.64E+00	-7.12E+00	-6.31E+01	-6.54E-11	-4.12E+00	-3.13E+00	-1.26E-01	-7.36E+00	-4.10E-10	-9.95E+00	-2.85E-10	-2.26E-10	-1.56E+02	-3.24E-10	-6.90E-11	-8.39E+01	-1.04E+02	-3.80E+01	-8.55E-01	-5.73E+00	-8.92E+02	-1.46E-08
Max	6.41E+01	6.93E+00	8.93E+02	5.35E-01	2.48E+00	1.51E-10	7.89E+01	1.14E+02	3.37E+00	1.74E+01	9.48E-12	2.04E+02	4.08E-11	8.93E-11	5.40E+00	4.87E-10	7.61E-11	2.74E+00	2.89E+00	1.59E+00	6.09E-01	3.85E+00	7.30E+00	2.98E-07
Normalized peak height	4.57E-01	2.21E-01	4.45E-01	1.03E-01	1.80E-01	9.85E-01	9.37E-01	8.54E-01	9.68E-01	6.65E-01	9.98E-01	4.80E-01	9.87E-01	9.90E-01	9.06E-01	9.74E-01	9.65E-01	6.06E-01	7.80E-01	8.29E-01	4.28E-01	2.18E-02	9.09E-01	1.00E+00
Peak sensitivity value	-1.06E-03	2.41E-03	9.15E-01	-4.20E-03	-1.72E-01	-5.54E-14	-1.06E-02	-1.82E-02	1.48E-03	-1.20E-02	4.41E-14	-1.66E-02	-1.23E-13	-8.69E-14	-2.00E-02	-9.97E-14	-5.17E-14	1.47E-02	-4.29E-02	-1.31E-02	6.63E-04	-9.96E-01	-3.47E-01	-1.92E-11
Shapiro-Wilk score	4.019E-01	7.386E-01	8.168E-02	6.938E-01	4.114E-01	7.989E-03	2.320E-02	3.315E-02	1.402E-02	4.980E-02	4.246E-04	1.013E-01	2.436E-03	4.246E-03	3.418E-02	2.884E-02	1.927E-02	5.523E-02	5.360E-02	4.988E-02	2.753E-01	9.670E-01	3.942E-02	5.239E-05
NAD																								
Local	-4.87E-03	-2.10E-03	-3.80E-01	9.66E-04	1.17E-02	-3.24E-15	-8.00E-02	-1.75E-01	-1.50E-02	-4.53E-02	-6.78E-15	6.68E-01	0.00E+00	0.00E+00	2.72E-01	-3.23E-15	2.80E-15	-2.73E-02	-1.42E-01	-4.03E-02	-3.22E-03	-9.68E-03	-2.81E-02	2.92E-18
Min	-1.80E+01	-1.33E+01	-2.76E+10	-3.64E+00	-1.83E+01	-2.93E-10	-2.96E+01	-5.18E+00	-1.25E+00	-1.33E+02	-2.50E-11	-1.01E+02	-3.69E-11	-4.37E-10	-1.41E-01	-2.50E-10	-4.59E-11	-2.69E+01	-1.35E+02	-5.56E+01	-2.33E+00	-1.99E+01	-2.05E+12	-1.99E+08
Max	6.07E+01	4.33E+01	2.05E+12	9.15E+00	7.25E+01	5.70E-11	2.43E+03	8.55E+02	1.00E+03	2.29E+05	4.04E-11	1.78E+02	1.37E-11	1.50E-10	2.96E+01	1.68E-10	1.95E-11	5.77E+01	3.75E+01	2.57E+01	1.08E+01	6.83E+00	2.78E+10	5.15E+09
Normalized peak height	7.66E-01	6.86E-01	1.00E+00	5.79E-01	6.73E-01	9.73E-01	3.81E-01	1.80E-02	2.59E-01	8.39E-01	9.62E-01	2.89E-01	9.41E-01	9.88E-01	4.86E-02	9.44E-01	8.81E-01	3.03E-01	4.66E-01	7.40E-01	5.98E-01	4.48E-01	1.00E+00	1.00E+00
Peak sensitivity value	-2.08E-02	-1.29E-02	4.47E+08	-3.38E-03	2.29E-02	1.24E-13	-1.24E-02	-6.64E-03	-8.75E-04	-6.63E-02	1.40E-14	3.73E-01	-1.53E-15	1.39E-14	5.24E-02	-1.13E-13	3.06E-14	-7.88E-02	-3.74E-03	-2.79E-02	-2.14E-04	3.82E-03	-2.49E+08	1.23E+06
Shapiro-Wilk score	2.266E-01	2.707E-01	4.947E-05	2.667E-01	2.834E-01	7.763E-03	3.947E-01	9.084E-01	2.835E-01	8.740E-02	3.401E-02	5.054E-01	5.181E-02	8.280E-03	8.058E-01	3.690E-02	3.839E-02	4.955E-01	3.086E-01	3.123E-01	2.764E-01	4.345E-01	4.917E-05	5.329E-05
Extracellular acetaldehyde																								
Local	2.55E-02	1.10E-02	1.99E+00	8.78E-03	1.06E-01	-5.73E-15	-8.32E-02	-1.82E-01	-1.56E-02	-4.71E-02	-8.63E-15	-1.67E+00	0.00E+00	0.00E+00	2.84E-01	-5.10E-15	7.94E-15	6.82E-02	-4.25E-01	-1.21E-01	-9.62E-03	-7.39E-02	1.27E-01	1.05E-17
Min	-2.60E+00	-1.28E+00	-5.58E+01	-7.49E-01	-9.05E-01	-1.98E-11	-7.80E+00	-7.43E+00	-2.89E+00	-2.26E+02	-1.11E-10	-2.94E+01	-9.08E-11	-2.49E-10	-4.15E+02	-5.16E-10	-2.57E-10	-3.75E+02	-2.97E+02	-3.43E+02	-2.45E+00	-1.80E+01	-1.19E+03	-6.13E-09
Max	1.89E+02	3.50E+01	1.19E+03	1.17E+01	5.81E+01	1.98E-10	4.81E+01	4.11E+02	7.89E+00	8.79E+00	6.15E-11	5.82E+02	6.28E-11	4.99E-10	7.93E+00	9.91E-10	1.99E-10	1.18E+01	1.53E+01	1.24E+00	4.18E-01	8.95E+00	5.64E+01	2.92E-09
Normalized peak height	6.34E-01	3.99E-01	4.45E-01	3.47E-01	5.81E-01	9.60E-01	6.60E-01	6.21E-01	8.30E-01	9.62E-01	9.90E-01	5.14E-01	9.43E-01	9.81E-01	7.93E-01	9.41E-01	9.30E-01	6.09E-01	1.66E-01	4.92E-01	2.28E-01	1.06E-01	9.54E-01	1.00E+00
Peak sensitivity value	-1.12E-02	8.19E-03	-4.27E-01	4.86E-03	6.91E-02	8.69E-14	5.68E-04	-1.03E-01	3.82E-03	-3.22E-02	7.88E-15	-9.86E-01	6.16E-14	-2.79E-13	9.49E-02	1.23E-13	-8.75E-14	3.58E-02	-4.46E-01	-3.13E-01	-2.15E-03	-7.04E-02	-1.77E-01	-9.16E-13
Shapiro-Wilk score	4.278E-01	6.430E-01	4.786E-02	4.733E-01	6.663E-01	1.241E-02	3.136E-01	3.633E-02	2.867E-02	3.121E-02	8.505E-03	6.084E-02	3.245E-02	1.003E-02	6.209E-02	1.340E-02	7.324E-03	5.932E-02	6.582E-02	5.168E-02	3.687E-01	6.538E-01	2.294E-02	3.188E-04
Phosphoenolpyruvate																								
Local	1.38E-02	5.93E-03	1.08E+00	6.08E-03	7.36E-02	2.62E-15	1.11E-03	2.42E-03	2.08E-04	-1.20E+00	7.14E-14	2.22E-02	0.00E+00	0.00E+00	-3.77E-03	4.71E-15	-1.00E-15	-9.07E-04	-4.72E-03	-1.34E-03	-1.07E-04	-5.20E-02	6.64E-02	9.38E-18
Min	-2.84E+01	-2.24E+01	-3.80E+03	-2.83E+00	-8.07E+00	-9.83E-10	-3.85E+02	-2.14E+03	-1.05E+01	-1.62E+03	-1.87E-10	-2.52E+03	-3.11E-11	-2.01E-10	-6.77E+02	-2.28E-09	-9.49E-10	-2.83E+02	-1.11E+03	-6.16E+02	-4.81E+00	-1.50E+02	-2.75E+03	-2.06E-08
Max	4.54E+02	1.03E+03	2.75E+03	1.71E+02	3.66E+02	2.04E-09	2.29E+01	6.71E+02	5.04E+00	1.54E+01	6.04E-10	1.62E+03	1.27E-10	2.73E-10	2.54E+03	1.82E-10	2.27E-10	2.69E+02	1.74E+03	5.09E+02	1.65E-01	4.54E+01	3.80E+03	4.22E-07
Normalized peak height	4.59E-01	9.58E-01	9.84E-01	8.91E-01	5.75E-01	9.95E-01	9.65E-01	9.99E-01	9.94E-01	9.71E-01	9.95E-01	9.39E-01	9.79E-01	9.69E-01	9.97E-01	9.53E-01	9.77E-01	9.35E-01	9.94E-01	9.93E-01	9.13E-01	5.57E-01	9.91E-01	1.00E+00
Peak sensitivity value	-2.17E-01	3.50E-01	8.88E-01	3.19E-02	-2.46E-02	7.85E-13	-1.62E-01	1.58E-01	1.10E-03	-1.79E+00	-1.28E-13	-1.57E+00	-4.01E-14	2.25E-13	-1.06E-01	1.16E-12	5.60E-13	1.56E-01	3.39E-01	1.81E-01	-1.41E-03	-4.87E-02	-1.18E-01	-5.77E-13
Shapiro-Wilk score	5.096E-02	4.194E-02	2.422E-02	6.281E-02	8.499E-02	2.747E-03	1.488E-03	6.827E-04	6.021E-03	3.281E-02	2.491E-03	6.895E-03	1.007E-02	4.374E-03	1.180E-03	5.069E-03	1.437E-03	1.857E-02	2.803E-03	2.713E-03	5.367E-02	2.416E-01	7.841E-03	9.125E-05

Fructose-6-Phosphate																								
Local	1.24E-02	5.33E-03	9.67E-01	8.44E-02	-3.38E-01	-8.93E-16	5.90E-03	1.29E-02	1.11E-03	3.34E-03	-2.13E-15	1.18E-01	0.00E+00	0.00E+00	-2.01E-02	-1.59E-15	-7.98E-17	-4.83E-03	-2.51E-02	-7.13E-03	-5.69E-04	-7.58E-01	-5.75E-02	-2.80E-17
Min	-8.08E+00	-1.14E+01	-3.34E+01	-2.27E+00	-5.96E+01	-6.00E-11	-6.26E+00	-1.73E+01	-3.00E-01	-7.98E+00	-3.18E-11	-2.09E+01	-2.72E-11	-4.53E-10	-5.90E+01	-1.44E-10	-2.25E-10	-1.64E+02	-1.94E+02	-6.26E+01	-7.87E-01	-8.13E+00	-6.82E+02	-1.81E-08
Max	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF
Normalized peak height	4.52E-01	2.51E-01	4.02E-01	7.77E-02	1.25E-01	9.84E-01	8.88E-01	6.55E-01	9.86E-01	9.44E-01	9.94E-01	6.01E-01	9.64E-01	9.84E-01	6.10E-01	9.53E-01	9.86E-01	8.00E-01	7.12E-01	9.01E-01	6.56E-01	2.03E-02	8.08E-01	1.00E+00
Peak sensitivity value	-1.50E-02	1.75E-03	-1.03E-01	1.12E-02	-1.95E-01	5.90E-14	8.24E-03	-2.30E-02	1.52E-03	4.09E-03	-1.64E-14	2.32E-01	-2.45E-16	2.28E-13	2.38E-02	-2.12E-14	-8.11E-14	1.13E-02	4.42E-02	-2.78E-02	-1.52E-04	-9.94E-01	-1.03E-01	4.15E-11
Shapiro-Wilk score	3.761E-01	6.959E-01	7.537E-02	7.455E-01	4.718E-01	9.987E-03	1.116E-01	5.735E-02	9.115E-03	4.585E-02	2.338E-03	9.462E-02	3.141E-02	1.899E-03	7.701E-02	4.753E-02	7.781E-03	5.221E-02	4.189E-02	3.535E-02	3.010E-01	9.609E-01	4.239E-02	6.211E-05
Extracellular cyanide																								
Local	-1.89E-03	-8.11E-04	-1.47E-01	-6.48E-04	-7.85E-03	4.27E-16	6.15E-03	1.34E-02	1.15E-03	3.48E-03	6.32E-16	1.23E-01	0.00E+00	0.00E+00	-2.09E-02	3.66E-16	-5.96E-16	-5.03E-03	3.11E-02	-6.50E-02	7.46E-02	5.46E-03	-9.35E-03	-7.74E-19
Min	-1.48E+01	-6.19E+00	-1.32E+01	-3.02E+00	-6.29E+00	-4.09E-11	-5.50E-01	-2.57E+00	-9.65E-02	-1.64E+00	-5.57E-12	-3.56E+00	-1.10E-11	-1.32E-11	-2.43E+00	-3.07E-11	-9.31E-12	-5.35E-01	-7.01E-01	-9.98E-01	0.00E+00	-6.74E-01	-3.15E+00	-1.37E-10
Max	3.57E-01	1.70E-01	4.39E+00	1.03E-01	1.72E-01	3.89E-11	2.84E+00	3.30E+00	1.14E-01	1.78E+01	8.17E-11	8.77E+00	2.49E-11	6.97E-12	3.56E+00	8.53E-11	8.51E-12	1.52E+00	2.04E+00	4.66E-01	2.80E+00	2.38E+00	3.65E+00	3.29E-12
Normalized peak height	6.99E-01	5.19E-01	3.82E-01	3.95E-01	4.11E-01	9.91E-01	8.03E-01	5.25E-01	9.04E-01	7.71E-01	9.97E-01	9.91E-01	9.91E-01	9.87E-01	4.82E-01	9.75E-01	9.77E-01	3.21E-01	1.52E-01	6.64E-02	1.23E-01	3.95E-01	4.98E-01	1.00E+00
Peak sensitivity value	1.19E-03	1.27E-03	6.93E-03	-1.74E-03	7.70E-04	2.09E-14	5.99E-04	3.07E-03	5.68E-05	7.59E-03	-2.76E-14	-2.89E-04	5.90E-15	4.81E-16	1.77E-03	-1.82E-14	4.84E-16	-1.06E-03	2.56E-03	-1.56E-03	1.40E-03	-2.28E-04	2.41E-03	1.77E-15
Shapiro-Wilk score	2.319E-01	3.012E-01	3.663E-01	2.091E-01	2.768E-01	5.347E-03	1.323E-01	2.437E-01	1.042E-01	2.357E-02	5.054E-04	4.727E-01	6.696E-03	9.657E-03	3.122E-01	1.816E-02	1.906E-02	5.049E-01	4.947E-01	5.535E-01	5.632E-01	3.578E-01	3.391E-01	1.041E-04
Pyruvate																								
Local	9.01E-01	3.88E-01	7.04E+01	2.28E-01	2.76E+00	-6.96E-14	4.07E-02	8.91E-02	7.64E-03	2.31E-02	-7.79E+01	8.15E-01	0.00E+00	0.00E+00	-1.39E-01	-5.18E-14	1.49E-13	-3.34E-02	-1.73E-01	-4.93E-02	-3.93E-03	-1.87E+00	4.59E+00	2.26E-16
Min	-7.24E+00	-7.31E+00	-2.31E+03	-4.20E-01	-3.57E+01	-9.92E-11	-1.34E+01	-6.64E+02	-8.53E-01	-9.49E+00	-1.64E+04	-1.14E+03	-2.95E-10	-5.73E-10	-1.26E+03	-1.44E-09	-2.60E-10	-9.50E+02	-4.81E+03	-2.84E+02	-2.02E+01	-6.06E+03	-4.28E+03	-1.16E-09
Max	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF
Normalized peak height	9.95E-01	9.89E-01	9.87E-01	9.99E-01	9.85E-01	9.53E-01	9.97E-01	9.97E-01	9.83E-01	9.95E-01	9.89E-01	9.89E-01	9.99E-01	9.94E-01	9.96E-01	9.87E-01	9.92E-01	9.50E-01	9.94E-01	9.96E-01	9.44E-01	6.52E-01	9.85E-01	1.00E+00
Peak sensitivity value	9.71E-02	8.42E-01	2.49E+00	2.80E+00	-1.56E+00	-1.28E-13	-2.33E-02	3.83E-01	-4.53E-03	1.44E-02	-9.20E+00	-9.47E-01	-5.11E-13	-1.00E-13	-3.01E-01	-3.37E-13	-4.51E-13	2.60E-01	5.50E-01	-3.00E-01	4.94E-03	3.09E+00	4.48E-01	-5.04E-13
Shapiro-Wilk score	2.897E-03	7.860E-03	9.159E-03	8.863E-04	5.999E-03	1.190E-02	1.199E-03	3.351E-03	4.959E-03	1.831E-03	8.128E-03	5.648E-03	2.596E-04	2.592E-03	4.312E-03	9.134E-03	2.006E-03	9.522E-03	1.763E-03	4.695E-03	1.972E-02	3.630E-03	1.256E-02	3.480E-04
Extracellular ethanol																								
Local	1.01E-02	4.37E-03	7.92E-01	2.32E-03	2.81E-02	-3.81E-16	9.18E-03	2.01E-02	1.72E-03	5.20E-03	-1.74E-16	1.84E-01	-3.41E-16	-1.00E+00	-3.13E-02	-1.73E-16	1.29E-15	-7.52E-03	-3.91E-02	-1.11E-02	-8.85E-04	-1.89E-02	5.21E-02	2.13E-18
Min	-3.51E+01	-1.66E+01	-3.51E+01	-3.30E+00	-9.86E+00	-3.48E-11	-3.28E+00	-9.83E+00	-1.45E-02	-6.27E-02	-1.83E-11	-1.23E+01	-3.66E-11	-1.00E+00	-2.27E+02	-6.01E-10	-7.55E-10	-1.71E+03	-8.21E+02	-2.57E+02	-1.10E+00	-1.23E+01	-3.11E+03	-4.96E-09
Max	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF
Normalized peak height	5.10E-01	3.26E-01	9.75E-01	2.91E-01	1.57E-01	9.74E-01	8.95E-01	9.47E-01	9.59E-01	9.65E-01	9.92E-01	7.21E-01	9.80E-01	1.00E+00	7.53E-01	9.87E-01	9.97E-01	9.95E-01	9.84E-01	9.77E-01	6.62E-01	1.29E-01	9.50E-01	1.00E+00
Peak sensitivity value	2.69E-03	-5.15E-04	1.05E+00	1.80E-03	2.28E-02	-7.42E-15	1.72E-02	8.08E-02	-1.31E-03	2.04E-02	4.99E-15	1.15E+00	-6.48E-15	-1.00E+00	5.25E-02	7.31E-14	-1.03E-13	-4.02E-01	-3.34E-01	-8.30E-02	5.96E-04	5.78E-03	-1.37E+00	-1.72E-12
Shapiro-Wilk score	5.920E-01	7.185E-01	1.897E-02	4.958E-01	7.121E-01	1.391E-02	6.992E-02	3.048E-02	1.210E-02	4.476E-02	5.948E-03	1.612E-02	1.533E-02	1.000E+00	4.068E-02	1.022E-02	1.126E-03	5.042E-03	1.339E-02	1.376E-02	2.764E-01	5.576E-01	1.007E-02	1.017E-04
Extracellular glycerol																								
Local	2.51E-02	1.08E-02	1.96E+00	8.63E-03	1.04E-01	8.14E-15	-8.18E-02	-1.79E-01	-1.33E-02	-4.63E-02	1.49E-14	-1.64E+00	0.00E+00	0.00E+00	2.79E-01	9.72E-15	-1.00E+00	6.70E-02	3.48E-01	9.89E-02	7.89E-03	-7.27E-02	1.24E-01	1.03E-17
Min	-2.88E+00	-2.94E+00	-2.41E+01	-1.97E+00	-1.75E+00	-3.87E-11	-8.29E+00	-9.57E+00	-3.24E-01	-9.81E+01	-1.45E-09	-1.07E+01	-1.31E-10	-5.94E-10	-1.36E+02	-4.32E-10	-1.00E+00	-9.82E+02	-1.04E+03	-2.11E+02	-1.34E+00	-1.06E+01	-4.84E+03	-4.79E-09
Max	7.97E+01	4.38E+01	4.84E+03	1.08E+01	2.67E+01	5.79E-10	4.55E+01	1.26E+02	9.62E+00	4.17E+00	1.00E-10	2.23E+03	7.90E-11	1.25E-10	1.02E+01	1.13E-09	-1.00E+00	4.52E+00	3.03E+00	6.24E+00	6.17E-01	1.81E+01	2.12E+01	3.55E-09
Normalized peak height	3.39E-01	2.91E-01	5.51E-01	3.14E-01	1.53E-01	9.94E-01	4.58E-01	5.32E-01	9.42E-01	8.51E-01	9.97E-01	9.62E-01	9.58E-01	9.77E-01	5.47E-01	9.64E-01	1.00E+00	9.45E-01	9.68E-01	8.45E-01	5.26E-01	1.14E-01	9.88E-01	1.00E+00
Peak sensitivity value	-3.21E-02	-1.38E-02	2.61E+00	2.79E-03	6.00E-02	-9.62E-14	-2.81E-02	8.11E-03	-2.87E-04	2.58E-02	4.78E-13	-5.81E-01	-6.16E-14	3.07E-02	3.37E-02	5.53E-13	-1.00E+00	8.68E-02	4.22E-01	5.96E-02	6.96E-04	-7.56E-02	-6.32E-01	3.31E-12
Shapiro-Wilk score	5.431E-01	6.865E-01	1.873E-02	4.638E-01	7.066E-01	1.857E-03	3.087E-01	1.006E-01	2.359E-02	4.601E-02	3.819E-04	3.085E-02	3.017E-02	1.139E-02	1.461E-01	1.523E-02	1.000E+00	2.852E-02	2.219E-02	6.605E-02	3.744E-01	6.463E-01	8.923E-03	2.335E-04
Extracellular glucose																								
Local	2.57E+00	-1.40E-02	-2.53E+00	-3.55E-03	-4.30E-02	8.97E-17	-5.98E-04	-1.31E-03	-1.12E-04	-3.38E-04	2.12E-16	-1.20E-02	0.00E+00	0.00E+00	2.04E-03	1.65E-16	1.51E-17	4.89E-04	2.54E-03	7.23E-04	5.76E-05	2.55E-02	5.83E-03	-3.53E-18
Min	-6.63E-01	-4.71E+00	-3.44E+01	-6.71E+00	-4.32E+01	-3.70E-11	-2.05E+00	-3.86E+00	-3.99E-01	-7.83E+00	-1.04E-11	-9.78E+00	-6.04E-12	-9.14E-12	-4.21E+01	-1.38E-10	-2.54E-11	-1.98E+01	-1.73E-01	-2.11E+02	-3.27E-02	-1.43E+00	-1.58E+00	-4.40E-10
Max	4.77E+01	2.21E+00	4.21E+00	3.99E-01	6.25E-01	4.28E-11	2.35E-01	8.30E-01	4.52E-03	5.70E+00	1.27E-10	1.14E+00	3.93E-12	1.10E-11	5.34E+00	6.46E-11	1.51E-11	3.91E+00	4.96E+00	2.03E+00	6.55E-01	7.48E+00	9.77E+00	1.06E-10
Normalized peak height	1.25E-01	2.48E-01	3.50E-01	5.80E-01	5.24E-01	9.89E-01	8.23E-01	5.05E-01	9.60E-01	9.76E-01	9.97E-01	4.29E-01	9.26E-01	9.68E-01	4.45E-01	9.70E-01	9.69E-01	5.57E-01	4.44E-01	5.49E-01	7.96E-01	2.41E-01	4.75E-01	1.00E+00
Peak sensitivity value	3.82E-02	1.77E-03	-1.72E-02	-2.14E-03	-1.04E-02	-1.82E-14	-1.04E-03	1.83E-03	-1.22E-04	-4.80E-03	4.76E-14	-3.84E-03	4.69E-15	-8.44E-15	3.04E-03	-6.35E-14	1.57E-14	1.69E-03	-1.06E-03	-3.32E-04	-6.88E-05	4.50E-03	4.60E-03	2.13E-13
Shapiro-Wilk score	6.193E-01	6.902E-01	4.870E-01	2.769E-01	2.275E-01	6.601E-03	1.077E-01	1.742E-01	2.923E-02	2.094E-02	4.103E-04	3.741E-01	2.346E-02	1.352E-02	1.777E-01	2.143E-02	1.757E-02	2.884E-01	2.857E-01	2.062E-01	1.293E-01	5.085E-01	3.527E-01	1.321E-04
1-3-Bisphosphoglycerate																								
Local	1.07E-02	4.61E-03	8.37E-01	4.44E-02	5.38E-01	5.30E-16	8.28E-03	1.81E-02	-2.84E-01	-8.56E-01	3.50E-14	1.66E-01	0.00E+00	0.00E+00	-2.82E-02	6.06E-16	-4.86E-16	-6.78E-03	-3.52E-02	-1.00E-02	-7.98E-04	-3.98E-01	-7.28E-03	7.56E-17
Min	-3.00E+01	-1.80E+01	-4.04E+02	-8.49E-01	-1.56E+01	-1.08E-07	-7.41E+01	-2.42E+01	-2.89E+00	-2.48E+03	-2.96E-08	-5.98E+01	-3.91E-11	-6.60E-11	-1.06E+02	-1.81E-09	-1.03E-10	-1.90E+02	-3.78E+02	-1.20E+02	-3.13E+00	-9.48E+01	-1.78E+03	-1.01E-08
Max	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF
Normalized peak height	7.89E-01	6.44E-01	7.30E-01	4.03E-01	7.23E-01	9.99E-01	9.38E-01	8.75E-01	2.48E-02	9.04E-01	1.00E+00	6.87E-01	9.80E-01	9.95E-01	8.41E-01	9.81E-01	9.89E-01	7.62E-01	7.73E-01	5.56E-01	7.39E-01	3.08E-01	9.54E-01	9.99E-01
Peak sensitivity value	1.25E-01	-2.54E-01	-3.79E-02	3.29E-02	-1.84E-02	-1.01E-11	5.87E-03	1.97E-02	-2.16E-03	-1.41E+00	4.42E-12	6.24E-02	-2.59E-14	-5.99E-13	-1.03E-01	-2.98E-13	9.32E-13	1.33E-02	-2.15E-01	-7.16E-02	-3.64E-04	-3.44E-01	-1.02E+00	-4.98E-12
Shapiro-Wilk score	1.012E-01	7.438E-02	7.470E-02	2.561E-01	9.143E-02	1.498E-03	5.673E-02	6.683E-02	8.548E-01	4.267E-02	2.076E-04	6.545E-02	1.129E-02	7.102E-04	8.263E-02	1.271E-02	7.834E-04	4.436E-02	2.933E-02	3.556E-02	1.741E-01	3.756E-01	2.845E-02	1.804E-04
Fructose 1-6-bisphosphate																								
Local	4.60E-02	1.98E-02	3.59E+00	2.43E-02	2.94E-01	-9.76E-02	-8.09E-02	-1.00E+00	-8.59E-02	-2.59E-01	2.20E-14	-2.18E+00	0.00E+00	0.00E+00	-9.76E-01	1.28E-14	-8.40E-15	8.90E-02	4.63E-01	1.31E-01	1.05E-02	-2.10E-01	2.16E-01	3.37E-17
Min	-2.50E+01	-2.68E+01	-2.44E+01	-1.23E+00	-2.88E+00	-2.32E+02	-4.26E+03	-8.07E+02	-2.14E+00	-1.80E+03	-5.34E-10	-1.30E+03	-1.27E-10	-3.45E-10	-6.39E+02	-6.98E-10	-3.67E-10	-7.07E+02	-5.95E+02	-2.37E+02	-1.19E+01	-8.28E+02	-3.84E+03	-1.88E-09
Max	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF
Normalized peak height	7.82E-01	6.19E-01	7.74E-01	6.69E-01	6.86E-01	9.26E-01	9.76E-01	5.78E-01	7.33E-01	6.45E-01	9.50E-01	4.65E-01	9.51E-01	9.81E-01	3.29E-01	9.74E-01	9.82E-01	7.80E-01	5.97E-01	6.54E-01	9.03E-01	7.56E-01	9.34E-01	9.99E-01
Peak sensitivity value	1.26E-01	-6.49E-01	7.36E-01	3.06E-02	3.56E-01	-1.16E-01	-1.40E+00	-6.34E-01	-5.87E-04	8.82E-01	-4.55E-13	1.40E-01	9.45E-15	2.11E-13	-1.80E+00	2.61E-13	1.06E-13	1.99E-01	-3.61E-02	-1.32E-01	-9.61E-04	-1.46E-01	-1.53E+00	-2.15E-12
Shapiro-Wilk score	6.005E-02	5.461E-02	6.455E-02	1.469E-01	1.295E-01	4.344E-02	6.022E-03	1.091E-01	1.602E-01	2.131E-02	2.780E-03	1.354E-01	4.572E-02	1.733E-02	1.482E-01	1.834E-02	1.481E-02	1.152E-01	1.061E-01	8.392E-02	5.240E-02	1.966E-01	2.531E-02	3.244E-04
AMP																								
Local	4.17E-03	1.79E-03	3.25E-01	-6.74E-02	-8.16E-01	2.40E-15	-1.26E-02	-2.76E-02	-2.37E-03	-7.14E-03	6.43E-15	-2.52E-01	0.00E+00	0.00E+00	4.30E-02	3.70E-15	2.03E-16	1.03E-02	5.37E-02	1.52E-02	1.22E-03	6.08E-01	1.23E-01	6.38E-17
Min	-5.46E+00	-4.01E+00	-6.79E+01	-3.03E+00	-2.93E+01	-5.73E-10	-6.06E+00	-8.20E+00	-3.78E-01	-5.99E+01	-3.93E-11	-9.45E+00	-1.15E-11	-1.43E-11	-2.20E+00	-2.83E-10	-3.44E-11	-7.90E-01	-2.01E+00	-5.84E-01	-8.47E-02	-8.68E-01	-3.20E+00	-5.39E-04
Max	5.34E+01	1.21E+01	2.00E+01	7.37E-01	3.16E+00	8.13E-11	2.35E-02	6.01E-01	1.28E-03	4.03E-03	3.12E-10	3.37E+00	7.34E-12	2.20E-11	6.32E+00	3.40E-10	8.98E-11	5.34E+00	4.37E+00	2.69E+00	4.29E-01	4.70E+00	6.80E+01	2.66E-10
Normalized peak height	6.35E-01	3.90E-01	3.84E-01	1.19E-01	8.26E-02	9.94E-01	4.16E-01	4.25E-01	7.92E-01	9.70E-01	9.94E-01	6.46E-02	9.13E-01	9.38E-01	4.37E-01	9.61E-01	8.87E-01	1.54E-01	1.36E-01	2.22E-01	3.00E-01	2.70E-02	2.65E-01	1.00E+00
Peak sensitivity value	-1.59E-02	-2.78E-03	1.16E-02	9.22E-04	-2.71E-01	-9.38E-14	2.22E-03	-1.98E-03	-4.65E-05	-2.59E-02	-1.14E-13	-1.08E-02	-4.59E-15	1.00E-14	3.90E-03	5.72E-14	5.94E-14	3.90E-03	5.56E-03	4.90E-04	-2.05E-04	3.90E-03	3.86E-02	2.69E-07
Shapiro-Wilk score	3.424E-01	5.857E-01	6.497E-01	7.170E-01	4.599E-01	2.904E-03	2.404E-01	3.707E-01	1.487E-01	4.431E-02	1.096E-03	7.592E-01	8.303E-02	4.785E-02	5.019E-01	3.819E-02	2.478E-02	6.742E-01	6.577E-01	5.232E-01	3.326E-01	9.628E-01	6.185E-01	4.709E-05
ATP																								
Local	-1.59E-03	-6.83E-04	-1.24E-01	2.57E-02	3.11E-01	-8.56E-16	4.80E-03	1.05E-02	9.01E-04	2.72E-03	-2.17E-15	9.61E-02	0.00E+00	0.00E+00	-1.64E-02	-1.37E-15	-6.97E-17	-3.93E-03	-2.04E-02	-5.81E-03	-4.63E-04	-2.32E-01	-4.68E-02	2.55E-17
Min	-9.58E+01	-1.17E+02	-4.62E+01	-1.50E+01	-1.31E+02	-1.38E-11	-1.87E-02	-9.89E-01	-1.68E-02	-1.03E-02	-4.79E-11	-1.98E+01	-3.62E-11	-3.89E-10	-1.01E+01	-1.55E-11	-2.28E-11	-3.52E+00	-7.89E+00	-3.36E+00	-1.29E-01	-3.25E+01	-8.87E+09	-2.79E-08
Max	3.64E+00	4.71E+00	8.76E+09	1.25E+00	3.51E+00	2.86E-11	2.69E+01	1.15E+01	1.30E+00	4.18E+02	5.40E-11	1.00E+01	4.70E-11	9.20E-11	2.32E+00	2.04E-11	2.22E-11	6.02E+00	4.94E+00	2.86E+00	9.59E-01	2.74E+01	9.50E+00	1.17E+08
Normalized peak height	8.73E-01	8.70E-01	1.00E+00	7.94E-01	7.61E-01	8.87E-01	3.34E-01	6.23E-02	3.64E-01	9.80E-01	9.77E-01	1.42E-01	9.06E-01	9.86E-01	7.34E-02	8.50E-01	9.60E-01	1.69E-01	2.09E-01	2.46E-01	5.14E-01	7.78E-01	1.00E+00	1.00E+00
Peak sensitivity value	9.28E-03	2.00E-02	4.38E+06	-4.42E-03	-6.65E-02	-1.95E-14	-5.28E-03	8.18E-03	-3.08E-04	1.99E-01	-6.35E-14	-9.42E-03	3.87E-14	-6.35E-14	-1.11E-02	-1.01E-14	-1.45E-14	6.86E-03	7.89E-03	4.19E-03	-1.80E-04	-2.38E-03	-4.44E+06	5.83E-04
Shapiro-Wilk score	7.011E-02	8.236E-02	4.709E-05	1.281E-01	9.707E-02	3.710E-02	5.086E-01	7.979E-01	2.413E-01	3.344E-02	8.139E-03	8.839E-01	4.644E-02	8.364E-03	8.992E-01	1.250E-01	3.091E-02	7.453E-01	7.579E-01	5.749E-01	2.617E-01	2.014E-01	4.709E-05	4.709E-05
NADH																								
Local	9.35E-03	4.03E-03	7.30E-01	-1.86E-03	-2.25E-02	6.21E-15	1.54E-01	3.36E-01	2.88E-02	8.69E-02	1.30E-14	-1.28E+00	0.00E+00	0.00E+00	-5.22E-01	6.20E-15	-5.37E-15	5.25E-02	2.73E-01	7.75E-02	6.18E-03	1.86E-02	5.39E-02	-5.02E-18
Min	-5.14E+01	-2.13E+01	-1.72E+01	-3.21E+00	-1.70E+01	-7.23E-10	-2.41E-01	-7.26E+00	-7.20E-01	-6.55E-02	-1.93E-11	-1.30E+01	-3.17E-10	-8.96E-11	-4.21E+02	-8.85E-10	-2.11E-10	-1.59E+03	-1.23E+03	-9.45E+02	-1.66E+00	-1.28E+01	-4.42E+03	-7.25E-08
Max	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF
Normalized peak height	5.90E-01	3.49E-01	8.81E-01	1.51E-01	2.10E-01	9.94E-01	8.89E-01	9.83E-01	9.87E-01	8.34E-01	9.84E-01	9.91E-01	9.87E-01	9.96E-01	9.62E-01	9.77E-01	9.58E-01	9.92E-01	9.94E-01	9.97E-01	6.73E-01	4.61E-02	9.87E-01	1.00E+00
Peak sensitivity value	-1.80E-02	-8.80E-03	-1.65E+00	-2.73E-04	1.32E-01	-4.93E-13	-1.13E-03	1.19E-01	3.49E-03	-1.36E-02	-8.60E-15	2.05E-01	-8.06E-14	3.37E-13	-5.50E-02	9.80E-14	-1.18E-13	-1.98E-02	-6.18E-01	-3.38E-01	-3.38E-04	-2.28E-01	-1.03E+00	-5.08E-11
Shapiro-Wilk score	2.646E-01	6.249E-01	2.034E-02	5.838E-01	6.028E-01	2.258E-03	4.491E-02	1.319E-02	9.424E-03	3.605E-02	1.207E-02	7.650E-03	4.736E-03	9.538E-04	1.910E-02	2.052E-02	1.297E-02	4.522E-03	9.377E-03	3.283E-03	2.731E-01	8.229E-01	1.269E-02	9.692E-05

Table S25: Flux control coefficients for *Saccharomyces cerevisiae* model with parameter variation of ±5%

	(GlucoseMixedflowtoextracellularmedium)	(Glucoseuptake)	(Hexokinase)	(Phosphoglucoisomerase)	(Phosphofructokinase)	(Aldolase)	(Triosephosphateisomerase)	(Glyceraldehyde3-phosphatedehydrogenase)	(Phosphoenolpyruvatesynthesis)	(Pyruvatekinase)	(Pyruvatedecarboxylase)	(Alcoholdehydrogenase)	(Ethanolout)	(Ethanolflow)	(Glycerolsynthesis)	(Glycerolout)	(Glycerolflow)	(Acetaldehydeout)	(Acetaldehydeflow)	(Cyanide-Acetaldehydeflow)	(Cyanideflow)	(Storage)	(ATPconsumption)	(Adenylatekinase)
(Glucose Mixed flow to extracellular medium)																								
Local	1.25E-02	5.36E-03	9.73E-01	1.37E-03	1.65E-02	-3.45E-17	2.30E-04	5.02E-04	4.31E-05	1.30E-04	-8.14E-17	4.60E-03	0.00E+00	0.00E+00	-7.83E-04	-6.35E-17	-5.80E-18	-1.88E-04	-9.78E-04	-2.78E-04	-2.22E-05	-9.81E-03	-2.24E-03	1.36E-18
Min	5.77E-03	2.69E-03	9.41E-01	1.04E-03	1.19E-02	-1.55E-16	1.52E-04	3.32E-04	2.72E-05	7.89E-05	-2.44E-16	2.96E-03	0.00E+00	0.00E+00	-1.20E-03	-8.35E-16	-5.07E-16	-2.81E-04	-1.45E-03	-4.02E-04	-3.93E-05	-1.23E-02	-2.93E-03	-8.15E-18
Max	3.17E-02	1.14E-02	9.87E-01	1.85E-03	2.49E-02	1.63E-16	3.48E-04	7.91E-04	6.91E-05	2.10E-04	2.10E-16	7.38E-03	0.00E+00	0.00E+00	-5.22E-04	7.75E-16	5.25E-16	-1.25E-04	-6.95E-04	-1.99E-04	-1.25E-05	-7.31E-03	-1.78E-03	1.56E-16
Normalized peak height	3.97E-03	4.03E-03	4.11E-03	3.50E-03	3.27E-03	6.10E-02	3.65E-03	3.88E-03	4.08E-03	4.11E-03	2.31E-02	3.57E-03	1.00E+00	1.00E+00	3.83E-03	4.96E-03	4.36E-03	3.77E-03	3.52E-03	4.05E-03	3.60E-03	3.63E-03	3.60E-03	3.49E-01
Peak sensitivity value	9.34E-03	4.77E-03	9.77E-01	1.32E-03	1.62E-02	-1.28E-19	2.18E-04	4.79E-04	4.20E-05	1.24E-04	-6.43E-20	4.43E-03	5.00E-04	5.00E-04	-7.67E-04	1.00E+00	2.81E-17	-1.80E-04	-9.68E-04	-2.75E-04	-2.04E-05	-1.00E-02	-2.23E-03	-1.67E-20
Shapiro-Wilk score	9.211E-01	9.613E-01	9.406E-01	9.907E-01	9.800E-01	9.992E-01	9.894E-01	9.901E-01	9.890E-01	9.883E-01	9.994E-01	9.826E-01	1.000E+00	1.000E+00	9.897E-01	9.992E-01	9.995E-01	9.914E-01	9.908E-01	9.924E-01	9.821E-01	9.998E-01	9.964E-01	7.202E-01
(Glucose uptake)																								
Local	1.25E-02	5.36E-03	9.73E-01	1.37E-03	1.65E-02	-2.23E-17	2.30E-04	5.02E-04	4.31E-05	1.30E-04	-8.36E-17	4.60E-03	0.00E+00	0.00E+00	-7.83E-04	-6.37E-17	-3.32E-18	-1.88E-04	-9.78E-04	-2.78E-04	-2.22E-05	-9.81E-03	-2.24E-03	1.36E-18
Min	5.61E-03	2.63E-03	9.36E-01	1.02E-03	1.19E-02	-2.48E-16	1.48E-04	3.29E-04	2.79E-05	8.24E-05	-2.66E-16	3.03E-03	0.00E+00	0.00E+00	-1.18E-03	-8.85E-16	-5.22E-16	-2.84E-04	-1.44E-03	-4.10E-04	-4.00E-05	-1.24E-02	-2.90E-03	-7.22E-18
Max	3.34E-02	1.23E-02	9.87E-01	1.92E-03	2.50E-02	2.41E-16	3.56E-04	7.96E-04	6.93E-05	2.10E-04	2.72E-16	7.43E-03	0.00E+00	0.00E+00	-5.15E-04	8.33E-16	4.86E-16	-1.28E-04	-6.84E-04	-2.01E-04	-1.26E-05	-7.24E-03	-1.77E-03	7.44E-17
Normalized peak height	4.12E-03	4.67E-03	4.54E-03	3.80E-03	3.43E-03	1.91E-02	3.70E-03	3.89E-03	3.99E-03	3.85E-03	7.75E-03	3.52E-03	1.00E+00	1.00E+00	3.84E-03	5.30E-03	4.55E-03	3.77E-03	3.77E-03	3.65E-03	3.95E-03	3.82E-03	3.40E-03	3.48E-01
Peak sensitivity value	9.73E-03	4.63E-03	9.77E-01	1.31E-03	1.55E-02	-1.21E-19	2.25E-04	4.76E-04	4.18E-05	1.23E-04	-2.66E-19	4.32E-03	5.00E-04	5.00E-04	-7.34E-04	-1.11E-17	1.76E-17	-1.85E-04	-9.43E-04	-2.74E-04	-2.09E-05	-9.75E-03	-2.23E-03	-2.74E-21
Shapiro-Wilk score	9.194E-01	9.604E-01	9.392E-01	9.904E-01	9.791E-01	9.999E-01	9.885E-01	9.895E-01	9.881E-01	9.882E-01	9.998E-01	9.813E-01	1.000E+00	1.000E+00	9.891E-01	9.991E-01	9.997E-01	9.904E-01	9.897E-01	9.914E-01	9.810E-01	9.997E-01	9.957E-01	8.026E-01
(Hexokinase)																								
Local	1.25E-02	5.36E-03	9.73E-01	1.37E-03	1.65E-02	-4.14E-17	2.30E-04	5.02E-04	4.31E-05	1.30E-04	-1.06E-16	4.60E-03	0.00E+00	0.00E+00	-7.83E-04	-6.37E-17	-3.32E-18	-1.88E-04	-9.78E-04	-2.78E-04	-2.22E-05	-9.81E-03	-2.24E-03	1.36E-18
Min	5.75E-03	2.74E-03	9.38E-01	1.03E-03	1.18E-02	-1.69E-16	1.50E-04	3.10E-04	2.78E-05	8.23E-05	-2.32E-16	2.99E-03	0.00E+00	0.00E+00	-1.17E-03	-7.15E-16	-5.08E-16	-2.89E-04	-1.42E-03	-4.08E-04	-3.89E-05	-1.25E-02	-2.93E-03	-1.90E-17
Max	3.27E-02	1.15E-02	9.87E-01	1.84E-03	2.53E-02	1.51E-16	3.40E-04	7.80E-04	6.57E-05	2.00E-04	2.45E-16	7.31E-03	0.00E+00	0.00E+00	-5.00E-04	7.71E-16	4.89E-16	-1.26E-04	-6.94E-04	-1.98E-04	-1.24E-05	-7.48E-03	-1.79E-03	2.95E-16
Normalized peak height	4.18E-03	4.00E-03	4.22E-03	3.65E-03	3.59E-03	2.42E-02	3.72E-03	4.02E-03	3.54E-03	3.55E-03	4.02E-03	3.34E-03	1.00E+00	1.00E+00	4.07E-03	4.48E-03	4.72E-03	3.79E-03	3.49E-03	3.79E-03	3.65E-03	3.67E-03	3.49E-03	3.50E-01
Peak sensitivity value	1.05E-02	4.68E-03	9.76E-01	1.30E-03	1.58E-02	5.34E-20	2.21E-04	4.88E-04	4.26E-05	1.20E-04	4.73E-19	4.42E-03	5.00E-04	5.00E-04	-7.69E-04	-5.12E-17	2.95E-18	-1.84E-04	-9.56E-04	-2.78E-04	-1.99E-05	-9.84E-03	-2.23E-03	-3.55E-20
Shapiro-Wilk score	9.195E-01	9.606E-01	9.392E-01	9.903E-01	9.793E-01	9.997E-01	9.888E-01	9.893E-01	9.878E-01	9.887E-01	9.997E-01	9.809E-01	1.000E+00	1.000E+00	9.892E-01	9.994E-01	9.997E-01	9.900E-01	9.895E-01	9.917E-01	9.811E-01	9.998E-01	9.958E-01	5.438E-01
(Phosphoglucoisomerase)																								
Local	1.27E-02	5.48E-03	9.94E-01	3.42E-03	4.14E-02	4.62E-16	-6.63E-03	-1.45E-02	-1.24E-03	-3.75E-03	2.63E-15	-1.33E-01	0.00E+00	0.00E+00	2.26E-02	1.83E-15	9.24E-17	5.43E-03	2.82E-02	8.02E-03	6.39E-04	-2.82E-02	6.46E-02	3.55E-18
Min	5.72E-03	2.75E-03	9.58E-01	2.81E-03	3.23E-02	-5.74E-15	-8.32E-03	-1.82E-02	-1.59E-03	-5.27E-03	-8.89E-15	-1.65E-01	0.00E+00	0.00E+00	1.73E-02	-1.92E-14	-1.33E-14	4.36E-03	2.44E-02	6.89E-03	4.16E-04	-3.28E-02	5.58E-02	-1.82E-17
Max	3.39E-02	1.21E-02	1.02E+00	4.28E-03	5.69E-02	5.71E-15	-5.09E-03	-1.12E-02	-9.57E-04	-2.61E-03	7.49E-15	-1.05E-01	0.00E+00	0.00E+00	2.85E-02	1.92E-14	1.37E-14	6.61E-03	3.26E-02	9.17E-03	9.70E-04	-2.43E-02	7.33E-02	8.69E-16
Normalized peak height	3.98E-03	4.15E-03	3.45E-03	3.68E-03	3.35E-03	3.08E-02	3.16E-03	3.53E-03	3.30E-03	4.00E-03	1.56E-02	2.74E-03	1.00E+00	1.00E+00	3.91E-03	4.17E-03	4.43E-03	3.25E-03	2.91E-03	3.11E-03	3.33E-03	3.83E-03	2.94E-03	3.48E-01
Peak sensitivity value	9.71E-03	4.99E-03	9.99E-01	3.36E-03	4.01E-02	5.03E-18	-6.59E-03	-1.45E-02	-1.23E-03	-3.62E-03	-2.68E-18	-1.30E-01	5.00E-04	5.00E-04	2.24E-02	-2.60E-16	-9.66E-17	5.40E-03	2.79E-02	7.90E-03	5.94E-04	-2.84E-02	6.51E-02	-4.29E-20
Shapiro-Wilk score	9.185E-01	9.591E-01	9.978E-01	9.950E-01	9.810E-01	9.984E-01	9.973E-01	9.989E-01	9.977E-01	9.966E-01	9.996E-01	9.897E-01	1.000E+00	1.000E+00	9.987E-01	9.999E-01	9.999E-01	9.983E-01	9.972E-01	9.985E-01	9.926E-01	9.998E-01	9.982E-01	5.060E-01
(Phosphofructokinase)																								
Local	1.27E-02	5.48E-03	9.94E-01	3.42E-03	4.14E-02	1.39E-15	-6.63E-03	-1.45E-02	-1.24E-03	-3.75E-03	3.85E-15	-1.33E-01	0.00E+00	0.00E+00	2.26E-02	2.02E-15	1.13E-16	5.43E-03	2.82E-02	8.02E-03	6.39E-04	-2.82E-02	6.46E-02	3.55E-18
Min	5.83E-03	2.78E-03	9.56E-01	2.82E-03	3.24E-02	-5.08E-15	-8.40E-03	-1.81E-02	-1.63E-03	-5.27E-03	-1.00E-14	-1.66E-01	0.00E+00	0.00E+00	1.74E-02	-2.09E-14	-1.44E-14	4.31E-03	2.43E-02	6.91E-03	4.16E-04	-3.25E-02	5.62E-02	-1.92E-17
Max	3.51E-02	1.25E-02	1.02E+00	4.32E-03	5.77E-02	4.69E-15	-5.10E-03	-1.11E-02	-9.15E-04	-2.53E-03	9.70E-15	-1.05E-01	0.00E+00	0.00E+00	2.89E-02	1.96E-14	1.46E-14	6.66E-03	3.25E-02	9.18E-03	9.26E-04	-2.44E-02	7.37E-02	1.12E-16
Normalized peak height	4.11E-03	4.36E-03	3.75E-03	3.70E-03	3.55E-03	1.01E-02	3.35E-03	3.63E-03	3.76E-03	3.73E-03	4.66E-03	2.65E-03	1.00E+00	1.00E+00	3.81E-03	4.25E-03	4.28E-03	3.31E-03	2.85E-03	3.36E-03	3.26E-03	3.55E-03	3.10E-03	3.46E-01
Peak sensitivity value	9.70E-03	4.84E-03	9.93E-01	3.41E-03	4.07E-02	-2.63E-18	-6.68E-03	-1.45E-02	-1.22E-03	-3.68E-03	-8.75E-17	-1.29E-01	5.00E-04	5.00E-04	2.23E-02	4.31E-17	1.29E-16	5.38E-03	2.74E-02	7.97E-03	6.05E-04	-2.83E-02	6.52E-02	-4.19E-20
Shapiro-Wilk score	9.188E-01	9.603E-01	9.981E-01	9.947E-01	9.815E-01	1.000E+00	9.976E-01	9.991E-01	9.982E-01	9.966E-01	9.998E-01	9.894E-01	1.000E+00	1.000E+00	9.987E-01	9.999E-01	9.999E-01	9.982E-01	9.972E-01	9.986E-01	9.926E-01	9.999E-01	9.981E-01	8.653E-01
(Aldolase)																								
Local	1.27E-02	5.48E-03	9.94E-01	3.42E-03	4.14E-02	1.11E-15	-6.63E-03	-1.45E-02	-1.24E-03	-3.75E-03	-1.02E-14	-1.33E-01	0.00E+00	0.00E+00	2.26E-02	3.98E-16	1.24E-16	5.43E-03	2.82E-02	8.02E-03	6.39E-04	-2.82E-02	6.46E-02	3.55E-18
Min	5.50E-03	2.81E-03	9.61E-01	2.81E-03	3.17E-02	-5.77E-15	-8.25E-03	-1.78E-02	-1.61E-03	-5.18E-03	-4.12E-14	-1.66E-01	0.00E+00	0.00E+00	1.75E-02	-2.06E-14	-1.69E-14	4.36E-03	2.43E-02	6.91E-03	4.12E-04	-3.25E-02	5.63E-02	-1.87E-17
Max	3.25E-02	1.15E-02	1.02E+00	4.22E-03	5.58E-02	5.55E-15	-5.01E-03	-1.12E-02	-9.23E-04	-2.56E-03	3.91E-14	-1.04E-01	0.00E+00	0.00E+00	2.88E-02	1.99E-14	1.37E-14	6.69E-03	3.24E-02	9.27E-03	9.20E-04	-2.45E-02	7.33E-02	5.16E-16
Normalized peak height	4.15E-03	3.98E-03	3.39E-03	3.51E-03	3.33E-03	5.11E-02	3.26E-03	3.61E-03	3.56E-03	3.71E-03	1.73E-02	2.69E-03	1.00E+00	1.00E+00	3.76E-03	4.50E-03	4.55E-03	3.28E-03	3.09E-03	3.28E-03	3.19E-03	3.58E-03	2.99E-03	3.51E-01
Peak sensitivity value	1.12E-02	4.73E-03	9.90E-01	3.41E-03	4.06E-02	-4.45E-16	-6.40E-03	-1.41E-02	-1.22E-03	-3.55E-03	2.29E-17	-1.26E-01	5.00E-04	5.00E-04	2.27E-02	-8.60E-17	-3.41E-16	5.35E-03	2.76E-02	7.96E-03	6.02E-04	-2.86E-02	6.45E-02	-2.66E-19
Shapiro-Wilk score	9.195E-01	9.600E-01	9.976E-01	9.955E-01	9.824E-01	9.989E-01	9.976E-01	9.990E-01	9.979E-01	9.964E-01	9.998E-01	9.893E-01	1.000E+00	1.000E+00	9.987E-01	9.999E-01	9.999E-01	9.983E-01	9.970E-01	9.986E-01	9.925E-01	9.997E-01	9.984E-01	6.923E-01
(Triosephosphate isomerase)																								
Local	1.01E-02	4.37E-03	7.92E-01	2.32E-03	2.81E-02	-1.03E-15	9.18E-03	2.01E-02	1.72E-03	5.20E-03	-5.10E-15	1.84E-01	0.00E+00	0.00E+00	-3.13E-02	-1.10E-17	1.39E-15	-7.52E-03	-3.91E-02	-1.11E-02	-8.85E-04	-1.89E-02	5.21E-02	2.13E-18
Min	4.64E-03	2.18E-03	7.30E-01	1.90E-03	2.16E-02	-2.01E-15	6.86E-03	1.50E-02	1.25E-03	3.41E-03	-1.29E-14	1.40E-01	0.00E+00	0.00E+00	-4.03E-02	-5.58E-15	-4.09E-15	-9.57E-03	-4.66E-02	-1.30E-02	-1.37E-03	-2.36E-02	4.39E-02	-1.18E-17
Max	2.68E-02	9.81E-03	8.33E-01	2.82E-03	3.76E-02	2.44E-15	1.19E-02	2.56E-02	2.34E-03	7.37E-03	1.27E-14	2.41E-01	0.00E+00	0.00E+00	-2.36E-02	5.39E-15	4.65E-15	-5.89E-03	-3.25E-02	-9.28E-03	-5.47E-04	-1.50E-02	6.11E-02	1.54E-16
Normalized peak height	4.11E-03	4.53E-03	3.22E-03	3.31E-03	3.13E-03	4.58E-03	3.36E-03	3.58E-03	3.71E-03	3.73E-03	1.64E-02	2.62E-03	1.00E+00	1.00E+00	3.50E-03	4.38E-03	5.15E-03	3.23E-03	2.85E-03	2.98E-03	3.35E-03	3.51E-03	2.97E-03	3.45E-01
Peak sensitivity value	7.54E-03	4.11E-03	7.98E-01	2.32E-03	2.70E-02	1.03E-17	8.95E-03	1.96E-02	1.71E-03	4.94E-03	-4.83E-18	1.79E-01	5.00E-04	5.00E-04	-3.06E-02	4.51E-17	8.16E-17	-7.54E-03	-3.85E-02	-1.11E-02	-8.59E-04	-1.96E-02	5.29E-02	7.33E-21
Shapiro-Wilk score	9.230E-01	9.643E-01	9.844E-01	9.979E-01	9.887E-01	9.997E-01	9.968E-01	9.979E-01	9.964E-01	9.953E-01	9.999E-01	9.880E-01	1.000E+00	1.000E+00	9.976E-01	9.990E-01	9.987E-01	9.973E-01	9.957E-01	9.969E-01	9.904E-01	9.992E-01	9.962E-01	7.993E-01
(Glyceraldehyde 3-phosphate dehydrogenase)																								
Local	1.16E-02	4.98E-03	9.03E-01	2.92E-03	3.54E-02	-1.85E-16	5.23E-04	1.14E-03	9.81E-05	2.96E-04	-9.79E-15	1.05E-02	0.00E+00	0.00E+00	-1.78E-03	7.65E-16	6.61E-16	-4.28E-04	-2.23E-03	-6.32E-04	-5.04E-05	-2.40E-02	5.89E-02	2.91E-18
Min	5.09E-03	2.51E-03	8.70E-01	2.44E-03	2.76E-02	-3.48E-15	3.73E-04	7.88E-04	6.68E-05	1.94E-04	-2.47E-14	7.38E-03	0.00E+00	0.00E+00	-2.62E-03	-1.14E-14	-8.00E-15	-5.97E-04	-2.97E-03	-8.44E-04	-8.33E-05	-2.80E-02	5.05E-02	-5.21E-17
Max	3.09E-02	1.07E-02	9.18E-01	3.55E-03	4.79E-02	3.02E-15	7.47E-04	1.67E-03	1.40E-04	4.52E-04	3.00E-14	1.53E-02	0.00E+00	0.00E+00	-1.26E-03	1.17E-14	8.70E-15	-3.10E-04	-1.69E-03	-4.97E-04	-3.10E-05	-2.05E-02	6.84E-02	2.16E-16
Normalized peak height	4.53E-03	4.08E-03	4.18E-03	3.21E-03	3.21E-03	4.01E-03	3.51E-03	4.05E-03	3.58E-03	3.81E-03	4.73E-03	3.16E-03	1.00E+00	1.00E+00	4.06E-03	4.21E-03	4.08E-03	3.71E-03	3.31E-03	3.38E-03	3.48E-03	3.66E-03	3.21E-03	3.46E-01
Peak sensitivity value	9.16E-03	4.46E-03	9.06E-01	2.90E-03	3.51E-02	-6.07E-17	5.04E-04	1.16E-03	9.59E-05	2.83E-04	-1.02E-15	1.00E-02	5.00E-04	5.00E-04	-1.72E-03	5.54E-16	-8.17E-18	-4.21E-04	-2.17E-03	-6.41E-04	-4.70E-05	-2.43E-02	5.97E-02	-7.15E-21
Shapiro-Wilk score	9.179E-01	9.603E-01	9.585E-01	9.967E-01	9.839E-01	1.000E+00	9.936E-01	9.943E-01	9.935E-01	9.933E-01	9.997E-01	9.870E-01	1.000E+00	1.000E+00	9.941E-01	9.999E-01	1.000E+00	9.951E-01	9.946E-01	9.958E-01	9.867E-01	9.999E-01	9.979E-01	7.465E-01
(Phosphoenolpyruvate synthesis)																								
Local	1.16E-02	4.98E-03	9.03E-01	2.92E-03	3.54E-02	-2.35E-16	5.23E-04	1.14E-03	9.81E-05	2.96E-04	-4.52E-14	1.05E-02	0.00E+00	0.00E+00	-1.78E-03	-2.42E-15	1.16E-15	-4.28E-04	-2.23E-03	-6.32E-04	-5.04E-05	-2.40E-02	5.89E-02	2.91E-18
Min	5.33E-03	2.56E-03	8.68E-01	2.43E-03	2.79E-02	-2.28E-14	3.66E-04	7.70E-04	6.91E-05	1.93E-04	-1.59E-13	7.31E-03	0.00E+00	0.00E+00	-2.61E-03	-1.43E-14	-7.35E-15	-6.11E-04	-3.03E-03	-8.35E-04	-8.19E-05	-2.80E-02	5.13E-02	-3.57E-17
Max	3.09E-02	1.06E-02	9.17E-01	3.56E-03	4.78E-02	2.46E-14	7.50E-04	1.65E-03	1.41E-04	4.39E-04	1.69E-13	1.55E-02	0.00E+00	0.00E+00	-1.21E-03	1.52E-14	8.13E-15	-3.03E-04	-1.66E-03	-4.86E-04	-3.06E-05	-2.02E-02	6.75E-02	3.42E-16
Normalized peak height	4.18E-03	3.86E-03	4.53E-03	3.38E-03	3.06E-03	3.89E-03	3.63E-03	4.08E-03	3.69E-03	3.73E-03	4.46E-03	3.12E-03	1.00E+00	1.00E+00	4.01E-03	4.24E-03	4.53E-03	3.78E-03	3.63E-03	3.59E-03	3.36E-03	3.76E-03	3.02E-03	3.45E-01
Peak sensitivity value	9.10E-03	4.77E-03	9.07E-01	2.91E-03	3.49E-02	2.22E-15	5.03E-04	1.12E-03	9.38E-05	2.87E-04	-4.72E-15	9.96E-03	5.00E-04	5.00E-04	-1.74E-03	-2.09E-16	1.19E-16	-4.19E-04	-2.18E-03	-6.24E-04	-4.65E-05	-2.43E-02	5.93E-02	-8.32E-20
Shapiro-Wilk score	9.210E-01	9.624E-01	9.600E-01	9.967E-01	9.838E-01	1.000E+00	9.931E-01	9.938E-01	9.933E-01	9.933E-01	9.995E-01	9.864E-01	1.000E+00	1.000E+00	9.937E-01	9.998E-01	9.999E-01	9.946E-01	9.940E-01	9.958E-01	9.874E-01	9.999E-01	9.979E-01	7.212E-01
(Pyruvate kinase)																								
Local	1.16E-02	4.98E-03	9.03E-01	2.92E-03	3.54E-02	2.24E-15	5.23E-04	1.14E-03	9.81E-05	2.96E-04	5.94E-14	1.05E-02	0.00E+00	0.00E+00	-1.78E-03	4.02E-15	-8.26E-16	-4.28E-04	-2.23E-03	-6.32E-04	-5.04E-05	-2.40E-02	5.89E-02	2.91E-18
Min	5.23E-03	2.55E-03	8.71E-01	2.43E-03	2.80E-02	-1.32E-14	3.74E-04	8.13E-04	6.88E-05	1.97E-04	-2.01E-13	7.16E-03	0.00E+00	0.00E+00	-2.62E-03	-1.33E-14	-7.34E-15	-6.06E-04	-3.01E-03	-8.45E-04	-8.45E-05	-2.79E-02	5.09E-02	-1.17E-16
Max	2.98E-02	1.08E-02	9.18E-01	3.54E-03	4.78E-02	1.61E-14	7.49E-04	1.71E-03	1.44E-04	4.37E-04	1.57E-13	1.55E-02	0.00E+00	0.00E+00	-1.28E-03	1.29E-14	7.27E-15	-3.10E-04	-1.70E-03	-4.90E-04	-3.14E-05	-2.05E-02	6.83E-02	1.83E-16
Normalized peak height	3.82E-03	3.92E-03	4.31E-03	3.54E-03	3.01E-03	7.05E-03	3.76E-03	4.14E-03	3.76E-03	3.72E-03	1.38E-01	3.61E-03	1.00E+00	1.00E+00	4.04E-03	4.44E-03	5.19E-03	3.66E-03	3.42E-03	3.56E-03	3.67E-03	3.84E-03	3.08E-03	3.48E-01
Peak sensitivity value	9.91E-03	4.05E-03	9.04E-01	2.92E-03	3.39E-02	-3.40E-17	5.03E-04	1.15E-03	9.49E-05	2.88E-04	-5.78E-17	1.02E-02	5.00E-04	5.00E-04	-1.73E-03	4.46E-16	4.89E-18	-4.26E-04	-2.13E-03	-6.40E-04	-4.84E-05	-2.43E-02	5.99E-02	-1.03E-19
Shapiro-Wilk score	9.188E-01	9.601E-01	9.602E-01	9.962E-01	9.841E-01	9.996E-01	9.937E-01	9.944E-01	9.930E-01	9.933E-01	9.606E-01	9.867E-01	1.000E+00	1.000E+00	9.944E-01	9.996E-01	9.996E-01	9.947E-01	9.940E-01	9.955E-01	9.868E-01	9.999E-01	9.975E-01	7.846E-01

(Pyruvate decarboxylase)																								
Local	1.16E-02	4.98E-03	9.03E-01	2.92E-03	3.54E-02	-8.93E-16	5.23E-04	1.14E-03	9.81E-05	2.96E-04	-6.66E-16	1.05E-02	0.00E+00	0.00E+00	-1.78E-03	-6.65E-16	1.91E-15	-4.28E-04	-2.23E-03	-6.32E-04	-5.04E-05	-2.40E-02	5.89E-02	2.91E-18
Min	5.26E-03	2.44E-03	8.72E-01	2.41E-03	2.79E-02	-2.91E-15	3.70E-04	7.97E-04	6.75E-05	1.99E-04	-3.77E-15	7.18E-03	0.00E+00	0.00E+00	-2.49E-03	-1.00E-14	-7.41E-15	-6.03E-04	-3.01E-03	-8.26E-04	-8.40E-05	-2.79E-02	5.05E-02	-1.08E-16
Max	2.91E-02	1.09E-02	9.18E-01	3.58E-03	4.76E-02	2.85E-15	7.50E-04	1.62E-03	1.38E-04	4.33E-04	4.00E-15	1.55E-02	0.00E+00	0.00E+00	-1.27E-03	1.15E-14	6.51E-15	-3.08E-04	-1.67E-03	-4.74E-04	-2.87E-05	-2.03E-02	6.78E-02	1.38E-16
Normalized peak height	4.12E-03	4.15E-03	4.13E-03	3.52E-03	2.97E-03	1.54E-02	3.63E-03	3.78E-03	3.47E-03	3.53E-03	9.48E-02	3.42E-03	1.00E+00	1.00E+00	3.57E-03	5.70E-03	1.28E-02	3.58E-03	3.65E-03	3.50E-03	3.68E-03	3.72E-03	3.07E-03	3.45E-01
Peak sensitivity value	8.68E-03	4.24E-03	9.05E-01	2.88E-03	3.39E-02	-1.43E-18	5.04E-04	1.13E-03	9.70E-05	2.78E-04	-2.19E-16	9.98E-03	5.00E-04	5.00E-04	-1.77E-03	8.00E-17	5.35E-18	-4.16E-04	-2.24E-03	-6.31E-04	-4.77E-05	-2.45E-02	5.92E-02	7.01E-20
Shapiro-Wilk score	9.213E-01	9.612E-01	9.600E-01	9.963E-01	9.833E-01	9.828E-01	9.935E-01	9.939E-01	9.924E-01	9.926E-01	9.966E-01	9.859E-01	1.000E+00	1.000E+00	9.936E-01	9.964E-01	9.961E-01	9.949E-01	9.941E-01	9.956E-01	9.862E-01	9.999E-01	9.975E-01	7.984E-01
(Alcohol dehydrogenase)																								
Local	1.01E-02	4.37E-03	7.92E-01	2.32E-03	2.81E-02	-3.80E-16	9.18E-03	2.01E-02	1.72E-03	5.20E-03	6.30E-16	1.84E-01	0.00E+00	0.00E+00	-3.13E-02	-1.84E-16	1.26E-15	-7.52E-03	-3.91E-02	-1.11E-02	-8.85E-04	-1.89E-02	5.21E-02	2.13E-18
Min	4.66E-03	2.18E-03	7.31E-01	1.94E-03	2.21E-02	-1.42E-15	6.82E-03	1.50E-02	1.24E-03	3.31E-03	-3.68E-15	1.37E-01	0.00E+00	0.00E+00	-4.04E-02	-5.51E-15	-3.79E-15	-9.53E-03	-4.68E-02	-1.30E-02	-1.34E-03	-2.38E-02	4.36E-02	-1.15E-17
Max	2.69E-02	9.24E-03	8.34E-01	2.84E-03	3.80E-02	1.43E-15	1.18E-02	2.61E-02	2.25E-03	7.33E-03	4.05E-15	2.39E-01	0.00E+00	0.00E+00	-2.33E-02	5.75E-15	4.06E-15	-5.90E-03	-3.25E-02	-9.32E-03	-5.63E-04	-1.49E-02	6.12E-02	1.12E-16
Normalized peak height	4.07E-03	4.17E-03	3.03E-03	3.47E-03	3.08E-03	4.85E-03	3.50E-03	3.68E-03	3.40E-03	3.75E-03	1.85E-02	2.80E-03	1.00E+00	1.00E+00	3.57E-03	4.64E-03	9.22E-03	3.35E-03	2.77E-03	3.05E-03	3.12E-03	3.75E-03	2.95E-03	3.48E-01
Peak sensitivity value	8.16E-03	3.91E-03	8.02E-01	2.33E-03	2.73E-02	-1.32E-17	8.91E-03	1.98E-02	1.73E-03	5.17E-03	1.69E-18	1.75E-01	5.00E-04	5.00E-04	-3.05E-02	2.69E-16	4.99E-19	-7.40E-03	-3.82E-02	-1.09E-02	-8.75E-04	-1.90E-02	5.29E-02	5.40E-20
Shapiro-Wilk score	9.215E-01	9.633E-01	9.832E-01	9.976E-01	9.879E-01	9.952E-01	9.967E-01	9.979E-01	9.963E-01	9.957E-01	9.968E-01	9.874E-01	1.000E+00	1.000E+00	9.975E-01	9.988E-01	9.983E-01	9.971E-01	9.958E-01	9.974E-01	9.907E-01	9.994E-01	9.965E-01	8.222E-01
(Ethanol out)																								
Local	1.01E-02	4.37E-03	7.92E-01	2.32E-03	2.81E-02	-4.21E-16	9.18E-03	2.01E-02	1.72E-03	5.20E-03	5.13E-16	1.84E-01	2.37E-16	-8.88E-16	-3.13E-02	-1.07E-16	1.31E-15	-7.52E-03	-3.91E-02	-1.11E-02	-8.85E-04	-1.89E-02	5.21E-02	2.13E-18
Min	4.78E-03	2.17E-03	7.24E-01	1.93E-03	2.17E-02	-1.45E-15	6.89E-03	1.50E-02	1.28E-03	3.42E-03	-3.74E-15	1.42E-01	-2.44E-15	-2.66E-15	-4.02E-02	-5.51E-15	-4.13E-15	-9.49E-03	-4.65E-02	-1.30E-02	-1.39E-03	-2.33E-02	4.35E-02	-1.25E-17
Max	2.61E-02	9.66E-03	8.32E-01	2.86E-03	3.75E-02	1.40E-15	1.19E-02	2.61E-02	2.33E-03	7.46E-03	3.60E-15	2.39E-01	2.11E-15	2.66E-15	-2.37E-02	6.71E-15	3.84E-15	-5.83E-03	-3.23E-02	-9.40E-03	-5.54E-04	-1.51E-02	6.13E-02	1.19E-16
Normalized peak height	3.92E-03	4.19E-03	3.19E-03	3.40E-03	3.20E-03	9.87E-02	3.22E-03	3.50E-03	3.59E-03	3.92E-03	2.56E-01	2.55E-03	8.72E-02	4.73E-01	3.34E-03	5.14E-03	8.68E-03	3.24E-03	2.92E-03	2.82E-03	3.42E-03	3.40E-03	3.02E-03	3.54E-01
Peak sensitivity value	8.85E-03	3.87E-03	7.94E-01	2.28E-03	2.67E-02	-1.20E-18	8.93E-03	1.93E-02	1.72E-03	5.11E-03	2.88E-18	1.74E-01	-2.23E-16	2.66E-18	-3.11E-02	8.30E-18	-4.97E-18	-7.33E-03	-3.79E-02	-1.12E-02	-8.45E-04	-1.92E-02	5.34E-02	-3.03E-20
Shapiro-Wilk score	9.233E-01	9.643E-01	9.844E-01	9.979E-01	9.886E-01	9.949E-01	9.967E-01	9.978E-01	9.967E-01	9.955E-01	9.760E-01	9.882E-01	9.969E-01	8.770E-01	9.974E-01	9.988E-01	9.985E-01	9.974E-01	9.956E-01	9.971E-01	9.902E-01	9.994E-01	9.964E-01	7.917E-01
(Ethanol flow)																								
Local	1.01E-02	4.37E-03	7.92E-01	2.32E-03	2.81E-02	-3.81E-16	9.18E-03	2.01E-02	1.72E-03	5.20E-03	-1.74E-16	1.84E-01	-3.41E-16	-1.11E-15	-3.13E-02	-1.73E-16	1.29E-15	-7.52E-03	-3.91E-02	-1.11E-02	-8.85E-04	-1.89E-02	5.21E-02	2.13E-18
Min	4.68E-03	2.23E-03	7.35E-01	1.94E-03	2.20E-02	-1.43E-15	6.87E-03	1.51E-02	1.26E-03	3.36E-03	-2.47E-15	1.38E-01	-5.25E-16	-2.66E-15	-4.05E-02	-5.31E-15	-3.55E-15	-9.46E-03	-4.66E-02	-1.29E-02	-1.35E-03	-2.35E-02	4.29E-02	-1.17E-17
Max	2.68E-02	8.81E-03	8.37E-01	2.81E-03	3.71E-02	1.46E-15	1.19E-02	2.59E-02	2.28E-03	7.74E-03	2.87E-15	2.38E-01	5.36E-16	2.55E-15	-2.40E-02	5.78E-15	3.95E-15	-5.90E-03	-3.25E-02	-9.29E-03	-5.45E-04	-1.46E-02	6.20E-02	4.03E-16
Normalized peak height	4.07E-03	3.86E-03	3.13E-03	3.17E-03	3.17E-03	1.83E-02	3.37E-03	3.67E-03	3.29E-03	3.87E-03	6.04E-02	2.63E-03	6.48E-01	1.18E-01	3.52E-03	4.72E-03	9.48E-03	3.09E-03	2.79E-03	2.86E-03	3.39E-03	3.77E-03	3.36E-03	3.48E-01
Peak sensitivity value	8.19E-03	3.73E-03	7.99E-01	2.28E-03	2.75E-02	3.02E-20	9.07E-03	1.99E-02	1.64E-03	5.10E-03	1.58E-18	1.73E-01	-6.04E-20	-2.20E-16	-3.08E-02	6.44E-18	-6.16E-18	-7.46E-03	-3.84E-02	-1.11E-02	-8.34E-04	-1.95E-02	5.33E-02	1.37E-19
Shapiro-Wilk score	9.216E-01	9.634E-01	9.846E-01	9.978E-01	9.878E-01	9.952E-01	9.969E-01	9.981E-01	9.960E-01	9.951E-01	9.991E-01	9.880E-01	8.095E-01	9.923E-01	9.978E-01	9.989E-01	9.985E-01	9.974E-01	9.958E-01	9.972E-01	9.907E-01	9.993E-01	9.967E-01	6.223E-01
(Glycerol synthesis)																								
Local	2.51E-02	1.08E-02	1.96E+00	8.63E-03	1.04E-01	8.06E-15	-8.18E-02	-1.79E-01	-1.53E-02	-4.63E-02	1.65E-14	-1.64E+00	0.00E+00	0.00E+00	2.79E-01	8.97E-15	-6.51E-15	6.70E-02	3.48E-01	9.89E-02	7.89E-03	-7.27E-02	1.24E-01	1.03E-17
Min	1.10E-02	5.35E-03	1.81E+00	6.98E-03	8.11E-02	-3.13E-14	-1.05E-01	-2.19E-01	-1.85E-02	-6.03E-02	-4.82E-14	-1.82E+00	0.00E+00	0.00E+00	2.17E-01	-1.25E-13	-8.41E-14	5.43E-02	3.03E-01	8.08E-02	6.00E-03	-8.25E-02	1.08E-01	-5.30E-17
Max	6.85E-02	2.42E-02	2.12E+00	1.06E-02	1.41E-01	3.09E-14	-6.08E-02	-1.38E-01	-1.26E-02	-3.38E-02	4.26E-14	-1.48E+00	0.00E+00	0.00E+00	3.34E-01	1.18E-13	8.34E-14	8.23E-02	3.94E-01	1.19E-01	1.02E-02	-6.42E-02	1.41E-01	5.00E-16
Normalized peak height	4.15E-03	4.30E-03	2.96E-03	3.45E-03	3.23E-03	4.37E-03	3.28E-03	3.85E-03	3.52E-03	3.82E-03	1.41E-02	3.10E-03	1.00E+00	1.00E+00	3.52E-03	5.27E-03	1.33E-02	3.50E-03	3.80E-03	3.43E-03	3.13E-03	3.60E-03	3.06E-03	3.47E-01
Peak sensitivity value	1.92E-02	1.00E-02	1.94E+00	8.46E-03	1.00E-01	5.79E-16	-8.09E-02	-1.80E-01	-1.50E-02	-4.52E-02	-2.79E-17	-1.62E+00	5.00E-04	5.00E-04	2.84E-01	-1.30E-16	5.40E-17	6.72E-02	3.52E-01	1.00E-01	7.56E-03	-7.26E-02	1.27E-01	-1.89E-19
Shapiro-Wilk score	9.152E-01	9.563E-01	9.941E-01	9.943E-01	9.795E-01	9.991E-01	9.983E-01	9.997E-01	9.993E-01	9.985E-01	9.988E-01	9.953E-01	1.000E+00	1.000E+00	9.997E-01	9.997E-01	9.991E-01	9.991E-01	9.997E-01	9.999E-01	9.968E-01	9.993E-01	9.984E-01	8.088E-01
(Glycerol out)																								
Local	2.51E-02	1.08E-02	1.96E+00	8.63E-03	1.04E-01	8.12E-15	-8.18E-02	-1.79E-01	-1.53E-02	-4.63E-02	1.55E-14	-1.64E+00	0.00E+00	0.00E+00	2.79E-01	9.24E-15	-6.55E-15	6.70E-02	3.48E-01	9.89E-02	7.89E-03	-7.27E-02	1.24E-01	1.03E-17
Min	1.11E-02	5.34E-03	1.81E+00	6.91E-03	7.95E-02	-3.42E-14	-1.03E-01	-2.17E-01	-1.83E-02	-6.14E-02	-5.16E-14	-1.81E+00	0.00E+00	0.00E+00	2.25E-01	-1.15E-13	-7.85E-14	5.31E-02	3.01E-01	8.17E-02	5.90E-03	-8.26E-02	1.08E-01	-5.46E-17
Max	7.06E-02	2.42E-02	2.12E+00	1.07E-02	1.40E-01	3.23E-14	-6.23E-02	-1.44E-01	-1.26E-02	-3.42E-02	4.72E-14	-1.48E+00	0.00E+00	0.00E+00	3.33E-01	1.16E-13	7.77E-14	8.13E-02	3.99E-01	1.18E-01	1.03E-02	-6.42E-02	1.43E-01	7.47E-16
Normalized peak height	4.31E-03	4.06E-03	3.07E-03	3.62E-03	3.17E-03	4.39E-03	3.02E-03	3.50E-03	3.57E-03	3.66E-03	2.51E-02	3.09E-03	1.00E+00	1.00E+00	3.37E-03	5.36E-03	1.40E-02	3.55E-03	3.77E-03	3.40E-03	3.39E-03	3.74E-03	3.22E-03	3.49E-01
Peak sensitivity value	2.08E-02	1.01E-02	1.94E+00	8.43E-03	9.90E-02	-1.43E-15	-8.01E-02	-1.81E-01	-1.54E-02	-4.66E-02	2.54E-17	-1.62E+00	5.00E-04	5.00E-04	2.78E-01	-5.16E-15	-9.35E-16	6.67E-02	3.52E-01	9.92E-02	7.78E-03	-7.23E-02	1.23E-01	2.65E-19
Shapiro-Wilk score	9.132E-01	9.552E-01	9.938E-01	9.945E-01	9.795E-01	9.992E-01	9.985E-01	9.994E-01	9.993E-01	9.986E-01	9.987E-01	9.948E-01	1.000E+00	1.000E+00	9.996E-01	9.996E-01	9.991E-01	9.992E-01	9.995E-01	9.998E-01	9.971E-01	9.992E-01	9.988E-01	7.375E-01
(Glycerol flow)																								
Local	2.51E-02	1.08E-02	1.96E+00	8.63E-03	1.04E-01	8.14E-15	-8.18E-02	-1.79E-01	-1.53E-02	-4.63E-02	1.49E-14	-1.64E+00	0.00E+00	0.00E+00	2.79E-01	9.72E-15	-6.66E-15	6.70E-02	3.48E-01	9.89E-02	7.89E-03	-7.27E-02	1.24E-01	1.03E-17
Min	1.13E-02	5.22E-03	1.81E+00	6.82E-03	7.97E-02	-3.24E-14	-1.05E-01	-2.18E-01	-1.88E-02	-5.93E-02	-4.56E-14	-1.81E+00	0.00E+00	0.00E+00	2.24E-01	-1.19E-13	-8.84E-14	5.42E-02	3.04E-01	8.16E-02	5.93E-03	-8.30E-02	1.08E-01	-6.82E-17
Max	6.78E-02	2.31E-02	2.12E+00	1.07E-02	1.42E-01	3.01E-14	-6.13E-02	-1.39E-01	-1.25E-02	-3.52E-02	4.97E-14	-1.47E+00	0.00E+00	0.00E+00	3.34E-01	1.18E-13	9.94E-14	8.16E-02	3.94E-01	1.20E-01	1.03E-02	-6.47E-02	1.42E-01	4.36E-16
Normalized peak height	4.13E-03	4.02E-03	2.88E-03	3.53E-03	3.40E-03	4.32E-03	3.28E-03	3.83E-03	3.87E-03	3.60E-03	3.77E-02	3.17E-03	1.00E+00	1.00E+00	3.40E-03	5.92E-03	1.16E-02	3.38E-03	3.60E-03	3.53E-03	3.23E-03	3.62E-03	3.18E-03	3.46E-01
Peak sensitivity value	2.04E-02	9.46E-03	1.94E+00	8.53E-03	1.03E-01	9.95E-16	-8.12E-02	-1.77E-01	-1.51E-02	-4.66E-02	1.63E-17	-1.62E+00	5.00E-04	5.00E-04	2.74E-01	-2.47E-16	1.45E-16	6.68E-02	3.49E-01	9.82E-02	7.89E-03	-7.24E-02	1.24E-01	5.56E-20
Shapiro-Wilk score	9.135E-01	9.551E-01	9.938E-01	9.942E-01	9.799E-01	9.990E-01	9.981E-01	9.996E-01	9.992E-01	9.981E-01	9.989E-01	9.949E-01	1.000E+00	1.000E+00	9.996E-01	9.995E-01	9.991E-01	9.992E-01	9.997E-01	9.998E-01	9.968E-01	9.995E-01	9.988E-01	8.355E-01
(Acetaldehyde out)																								
Local	2.51E-02	1.08E-02	1.96E+00	8.63E-03	1.04E-01	-5.92E-15	-8.18E-02	-1.79E-01	-1.53E-02	-4.63E-02	4.56E-21	-1.64E+00	0.00E+00	0.00E+00	2.79E-01	-5.24E-15	8.08E-15	6.70E-02	3.48E-01	9.89E-02	7.89E-03	-7.27E-02	1.24E-01	1.03E-17
Min	1.12E-02	5.47E-03	1.81E+00	7.01E-03	8.00E-02	-2.01E-14	-1.03E-01	-2.18E-01	-1.84E-02	-6.02E-02	-3.71E-14	-1.81E+00	0.00E+00	0.00E+00	2.20E-01	-7.26E-14	-4.64E-14	5.44E-02	3.02E-01	8.13E-02	5.87E-03	-8.30E-02	1.06E-01	-3.74E-16
Max	6.91E-02	2.41E-02	2.11E+00	1.05E-02	1.41E-01	1.84E-14	-6.09E-02	-1.45E-01	-1.26E-02	-3.41E-02	4.67E-14	-1.47E+00	0.00E+00	0.00E+00	3.37E-01	7.89E-14	6.43E-14	8.27E-02	3.94E-01	1.18E-01	1.04E-02	-6.47E-02	1.43E-01	6.56E-16
Normalized peak height	4.25E-03	4.09E-03	2.76E-03	3.28E-03	3.30E-03	2.75E-02	3.15E-03	3.47E-03	3.57E-03	3.82E-03	3.35E-01	2.88E-03	1.00E+00	1.00E+00	3.63E-03	5.01E-03	7.97E-03	3.52E-03	3.80E-03	3.87E-03	3.37E-03	3.73E-03	3.53E-03	3.50E-01
Peak sensitivity value	1.83E-02	9.72E-03	1.93E+00	8.41E-03	9.93E-02	-1.48E-17	-8.22E-02	-1.79E-01	-1.53E-02	-4.59E-02	6.86E-18	-1.61E+00	5.00E-04	5.00E-04	2.76E-01	-3.41E-15	-4.19E-17	6.68E-02	3.48E-01	9.86E-02	7.84E-03	-7.24E-02	1.24E-01	-4.24E-19
Shapiro-Wilk score	9.135E-01	9.559E-01	9.938E-01	9.931E-01	9.784E-01	9.965E-01	9.985E-01	9.997E-01	9.991E-01	9.982E-01	9.648E-01	9.944E-01	1.000E+00	1.000E+00	9.996E-01	9.986E-01	9.993E-01	9.993E-01	9.997E-01	9.998E-01	9.970E-01	9.992E-01	9.988E-01	7.531E-01
(Acetaldehyde flow)																								
Local	2.55E-02	1.10E-02	1.99E+00	8.78E-03	1.06E-01	-5.73E-15	-8.32E-02	-1.82E-01	-1.56E-02	-4.71E-02	-8.63E-15	-1.67E+00	0.00E+00	0.00E+00	2.84E-01	-5.10E-15	7.94E-15	6.82E-02	5.75E-01	-1.21E-01	-9.62E-03	-7.39E-02	1.27E-01	1.05E-17
Min	1.14E-02	5.54E-03	1.83E+00	7.02E-03	7.94E-02	-1.95E-14	-1.06E-01	-2.23E-01	-1.91E-02	-6.10E-02	-3.16E-14	-1.84E+00	0.00E+00	0.00E+00	2.27E-01	-6.96E-14	-5.23E-14	5.52E-02	5.26E-01	-1.37E-01	-1.42E-02	-8.40E-02	1.09E-01	-2.48E-16
Max	7.35E-02	2.55E-02	2.16E+00	1.10E-02	1.42E-01	1.96E-14	-6.17E-02	-1.46E-01	-1.29E-02	-3.47E-02	2.63E-14	-1.50E+00	0.00E+00	0.00E+00	3.39E-01	6.94E-14	5.05E-14	8.23E-02	6.24E-01	-1.04E-01	-6.37E-03	-6.36E-02	1.46E-01	6.95E-16
Normalized peak height	4.23E-03	4.21E-03	2.97E-03	3.65E-03	3.09E-03	4.59E-03	3.38E-03	3.65E-03	3.60E-03	3.58E-03	6.65E-02	2.95E-03	1.00E+00	1.00E+00	3.52E-03	5.37E-03	1.10E-02	3.47E-03	3.45E-03	3.32E-03	3.63E-03	3.82E-03	3.45E-03	3.47E-01
Peak sensitivity value	1.83E-02	9.12E-03	1.98E+00	8.59E-03	1.03E-01	-5.43E-16	-8.32E-02	-1.82E-01	-1.55E-02	-4.67E-02	-6.90E-18	-1.66E+00	5.00E-04	5.00E-04	2.84E-01	-1.50E-17	-4.37E-17	6.88E-02	5.79E-01	-1.21E-01	-9.40E-03	-7.36E-02	1.26E-01	-4.94E-20
Shapiro-Wilk score	9.136E-01	9.552E-01	9.936E-01	9.941E-01	9.798E-01	9.959E-01	9.983E-01	9.997E-01	9.992E-01	9.983E-01	9.987E-01	9.943E-01	1.000E+00	1.000E+00	9.996E-01	9.991E-01	9.990E-01	9.993E-01	9.989E-01	9.988E-01	9.915E-01	9.993E-01	9.985E-01	7.895E-01
(Cyanide-Acetaldehyde flow)																								
Local	2.36E-02	1.02E-02	1.85E+00	8.13E-03	9.84E-02	-5.30E-15	-7.71E-02	-1.69E-01	-1.45E-02	-4.36E-02	-8.00E-15	-1.54E+00	0.00E+00	0.00E+00	2.63E-01	-4.73E-15	7.34E-15	6.31E-02	-3.93E-01	8.14E-01	6.50E-02	-6.85E-02	1.17E-01	9.70E-18
Min	1.02E-02	4.99E-03	1.71E+00	6.69E-03	7.61E-02	-1.78E-14	-9.85E-02	-2.10E-01	-1.76E-02	-5.71E-02	-2.77E-14	-1.69E+00	0.00E+00	0.00E+00	2.12E-01	-6.62E-14	-5.01E-14	4.90E-02	-4.38E-01	7.82E-01	4.96E-02	-7.81E-02	1.01E-01	-5.03E-17
Max	6.45E-02	2.29E-02	1.98E+00	1.00E-02	1.31E-01	1.76E-14	-5.78E-02	-1.36E-01	-1.19E-02	-3.13E-02	2.76E-14	-1.39E+00	0.00E+00	0.00E+00	3.19E-01	6.37E-14	4.56E-14	7.74E-02	-3.47E-01	8.42E-01	8.46E-02	-6.05E-02	1.34E-01	1.29E-15
Normalized peak height	4.18E-03	4.10E-03	3.06E-03	3.46E-03	3.20E-03	4.78E-03	3.33E-03	3.58E-03	3.81E-03	4.00E-03	1.92E-02	3.30E-03	1.00E+00	1.00E+00	3.36E-03	4.88E-03	1.05E-02	3.63E-03	3.91E-03	3.43E-03	3.18E-03	4.06E-03	3.43E-03	3.50E-01
Peak sensitivity value	1.97E-02	8.57E-03	1.82E+00	7.98E-03	9.47E-02	6.43E-17	-7.82E-02	-1.70E-01	-1.45E-02	-4.26E-02	5.78E-18	-1.53E+00	5.00E-04	5.00E-04	2.58E-01	-2.22E-15	-3.93E-17	6.33E-02	-3.91E-01	8.13E-01	6.30E-02	-6.85E-02	1.17E-01	1.24E-19
Shapiro-Wilk score	9.143E-01	9.579E-01	9.957E-01	9.956E-01	9.812E-01	9.967E-01	9.983E-01	9.997E-01	9.994E-01	9.983E-01	9.984E-01	9.964E-01	1.000E+00	1.000E+00	9.996E-01	9.986E-01	9.990E-01	9.992E-01	9.996E-01	9.978E-01	9.925E-01	9.996E-01	9.987E-01	6.729E-01
(Cyanide flow)																								
Local	2.36E-02	1.02E-02	1.85E+00	8.13E-03	9.84E-02	-5.36E-15	-7.71E-02	-1.69E-01	-1.45E-02	-4.36E-02	-7.92E-15	-1.54E+00	0.00E+00	0.00E+00	2.63E-01	-4.59E-15	7.47E-15	6.31E-02	-3.93E-01	8.14E-01	6.50E-02	-6.85E-02	1.17E-01	9.70E-18
Min	9.91E-03	5.04E-03	1.71E+00	6.71E-03	7.75E-02	-1.99E-14	-9.68E-02	-2.08E-01	-1.79E-02	-5.70E-02	-2.55E-14	-1.70E+00	0.00E+00	0.00E+00	2.09E-01	-7.11E-14	-4.38E-14	5.03E-02	-4.35E-01	7.83E-01	4.79E-02	-7.70E-02	1.03E-01	-5.82E-17
Max	6.52E-02	2.23E-02	1.98E+00	1.01E-02	1.30E-01	1.94E-14	-5.74E-02	-1.34E-01	-1.17E-02	-3.26E-02	3.16E-14	-1.39E+00	0.00E+00	0.00E+00	3.20E-01	6.75E-14	5.08E-14	7.77E-02	-3.50E-01	8.41E-01	8.52E-02	-6.13E-02	1.35E-01	4.29E-16
Normalized peak height	4.32E-03	4.17E-03	3.10E-03	3.44E-03	3.13E-03	6.85E-03	3.12E-03	3.57E-03	3.92E-03	3.69E-03	6.67E-02	3.27E-03	1.00E+00	1.00E+00	3.87E-03	5.43E-03	9.70E-03	3.47E-03	3.59E-03	3.49E-03	3.44E-03	3.80E-03	3.34E-03	3.48E-01
Peak sensitivity value	1.85E-02	8.99E-03	1.84E+00	7.98E-03	9.39E-02	1.87E-17	-7.54E-02	-1.67E-01	-1.46E-02	-4.25E-02	3.56E-19	-1.53E+00	5.00E-04	5.00E-04	2.63E-01	7.33E-17	-4.04E-17	6.31E-02	-3.94E-01	8.19E-01	6.21E-02	-6.80E-02	1.18E-01	-1.40E-20
Shapiro-Wilk score	9.144E-01	9.563E-01	9.962E-01	9.952E-01	9.802E-01	9.958E-01	9.982E-01	9.996E-01	9.993E-01	9.979E-01	9.985E-01	9.970E-01	1.000E+00	1.000E+00	9.997E-01	9.991E-01	9.991E-01	9.993E-01	9.996E-01	9.980E-01	9.929E-01	9.994E-01	9.987E-01	8.595E-01
(Storage)																								
Local	1.21E-02	5.20E-03	9.43E-01	-1.53E-03	-1.85E-02	-1.69E-15	9.90E-03	2.16E-02	1.86E-03	5.60E-03	-3.99E-15	1.98E-01	0.00E+00	0.00E+00	-3.37E-02	-2.74E-15	-1.38E-16	-8.11E-03	-4.21E-02	-1.20E-02	-9.55E-04	1.62E-02	-9.65E-02	-1.73E-18
Min	5.46E-03	2.53E-03	8.79E-01	-2.17E-03	-2.60E-02	-7.20E-15	7.43E-03	1.61E-02	1.36E-03	3.64E-03	-1.06E-14	1.51E-01	0.00E+00	0.00E+00	-4.39E-02	-3.55E-14	-2.19E-14	-1.01E-02	-4.98E-02	-1.41E-02	-1.47E-03	1.26E-02	-1.13E-01	-2.00E-16
Max	3.24E-02	1.07E-02	9.89E-01	-1.01E-03	-1.21E-02	7.08E-15	1.27E-02	2.81E-02	2.51E-03	8.07E-03	9.52E-15	2.56E-01	0.00E+00	0.00E+00	-2.55E-02	2.96E-14	1.94E-14	-6.31E-03	-3.51E-02	-9.96E-03	-6.02E-04	2.05E-02	-8.33E-02	8.81E-18
Normalized peak height	4.50E-03	3.95E-03	2.97E-03	3.77E-03	3.72E-03	2.46E-02	3.32E-03	3.79E-03	3.59E-03	3.82E-03	5.97E-03	2.77E-03	1.00E+00	1.00E+00	3.65E-03	4.95E-03	4.29E-03	3.12E-03	2.77E-03	3.15E-03	3.34E-03	3.44E-03	3.09E-03	3.50E-01
Peak sensitivity value	1.00E-02	4.60E-03	9.52E-01	-1.54E-03	-1.82E-02	4.86E-18	9.68E-03	2.15E-02	1.84E-03	5.35E-03	2.55E-16	1.89E-01	5.00E-04	5.00E-04	-3.29E-02	7.94E-16	7.63E-16	-8.00E-03	-4.13E-02	-1.19E-02	-9.06E-04	1.64E-02	-9.90E-02	-6.21E-20
Shapiro-Wilk score	9.214E-01	9.637E-01	9.828E-01	9.991E-01	9.967E-01	9.999E-01	9.971E-01	9.983E-01	9.967E-01	9.960E-01	9.998E-01	9.884E-01	1.000E+00	1.000E+00	9.978E-01	9.997E-01	9.999E-01	9.974E-01	9.952E-01	9.969E-01	9.909E-01	9.984E-01	9.982E-01	7.648E-01
(ATP consumption)																								
Local	-1.59E-03	-6.83E-04	-1.24E-01	2.57E-02	3.11E-01	-8.56E-16	4.80E-03	1.05E-02	9.01E-04	2.72E-03	-2.17E-15	9.61E-02	0.00E+00	0.00E+00	-1.64E-02	-1.37E-15	-6.97E-17	-3.93E-03	-2.04E-02	-5.81E-03	-4.63E-04	-2.32E-01	9.53E-01	2.55E-17
Min	-6.96E-03	-2.22E-03	-2.32E-01	2.14E-02	2.45E-01	-3.72E-15	3.30E-03	7.28E-03	6.22E-04	1.76E-03	-5.12E-15	6.66E-02	0.00E+00	0.00E+00	-2.33E-02	-1.71E-14	-1.09E-14	-5.67E-03	-2.73E-02	-7.67E-03	-7.69E-04	-2.61E-01	9.44E-01	-3.63E-16
Max	-3.53E-04	-1.92E-04	-5.73E-02	3.05E-02	4.16E-01	3.66E-15	6.70E-03	1.53E-02	1.32E-03	4.17E-03	5.25E-15	1.40E-01	0.00E+00	0.00E+00	-1.15E-02	1.50E-14	1.05E-14	-2.83E-03	-1.55E-02	-4.47E-03	-2.75E-04	-2.09E-01	9.60E-01	1.14E-15
Normalized peak height	5.85E-03	4.48E-03	3.08E-03	3.30E-03	2.97E-03	5.63E-02	3.48E-03	3.87E-03	3.63E-03	3.90E-03	1.84E-02	3.40E-03	1.00E+00	1.00E+00	3.68E-03	4.73E-03	4.52E-03	3.70E-03	3.23E-03	3.55E-03	3.43E-03	3.45E-03	3.42E-03	3.49E-01
Peak sensitivity value	-9.38E-04	-4.75E-04	-1.05E-01	2.54E-02	3.03E-01	-3.14E-18	4.60E-03	1.03E-02	8.69E-04	2.58E-03	-4.72E-18	9.41E-02	5.00E-04	5.00E-04	-1.61E-02	3.84E-16	-8.08E-17	-3.96E-03	-2.02E-02	-5.67E-03	-4.33E-04	-2.31E-01	9.54E-01	3.97E-19
Shapiro-Wilk score	8.755E-01	9.174E-01	9.758E-01	9.948E-01	9.811E-01	9.996E-01	9.910E-01	9.918E-01	9.905E-01	9.916E-01	9.997E-01	9.828E-01	1.000E+00	1.000E+00	9.915E-01	9.998E-01	9.999E-01	9.927E-01	9.918E-01	9.938E-01	9.842E-01	9.979E-01	9.953E-01	8.155E-01

(Adenylate kinase)																									
Local	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF
Min	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF
Max	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF
Normalized peak height	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Peak sensitivity value	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN
Shapiro-Wilk score	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table S26: Flux control coefficients for *Saccharomyces cerevisiae* model with parameter variation of ±10%

	(Glucose Mixed flow to extracellular medium)	(Glucose uptake)	(Hexokinase)	(Phosphoglucoisomerase)	(Phosphofructokinase)	(Aldolase)	(Triosephosphate isomerase)	(Glyceraldehyde3-phosphatedehydrogenase)	(Phosphoenolpyruvatesynthesis)	(Pyruvate kinase)	(Pyruvate decarboxylase)	(Alcohol dehydrogenase)	(Ethanol out)	(Ethanol flow)	(Glycerol synthesis)	(Glycerol out)	(Glycerol flow)	(Acetaldehyde out)	(Acetaldehyde flow)	(Cyanide-Acetaldehyde flow)	(Cyanide flow)	(Storage)	(ATP consumption)	(Adenylate kinase)
Local	1.25E-02	5.36E-03	9.73E-01	1.37E-03	1.65E-02	-3.45E-17	2.30E-04	5.02E-04	4.31E-05	1.30E-04	-8.14E-17	4.60E-03	0.00E+00	0.00E+00	-7.83E-04	-6.35E-17	-5.80E-18	-1.88E-04	-9.78E-04	-2.78E-04	-2.22E-05	-9.81E-03	-2.24E-03	1.36E-18
Min	2.86E-03	1.45E-03	7.92E-01	7.97E-04	8.69E-03	-2.72E-16	1.02E-04	2.10E-04	1.91E-05	5.40E-05	-4.05E-16	1.93E-03	-2.99E-17	-3.03E-17	-2.03E-03	-1.24E-15	-9.30E-16	-4.47E-04	-2.32E-03	-6.55E-04	-7.70E-05	-1.60E-02	-4.17E-03	-2.32E-17
Max	1.32E-01	3.72E-02	9.94E-01	2.89E-03	4.40E-02	2.77E-16	5.88E-04	1.31E-03	1.17E-04	3.42E-04	6.10E-16	1.26E-02	3.17E-17	3.09E-17	-3.43E-04	1.08E-15	7.32E-16	-8.98E-05	-4.87E-04	-1.38E-04	-7.00E-06	5.14E-03	-1.41E-03	9.54E-17
Normalized peak height	1.30E-02	8.88E-03	1.01E-02	4.54E-03	5.22E-03	6.91E-02	4.45E-03	4.90E-03	5.24E-03	4.72E-03	2.35E-02	4.63E-03	9.22E-01	9.28E-01	4.81E-03	7.10E-03	7.60E-03	4.29E-03	4.59E-03	5.10E-03	5.19E-03	7.31E-03	4.47E-03	3.45E-01
Peak sensitivity value	6.94E-03	4.48E-03	9.82E-01	1.30E-03	1.50E-02	4.56E-20	2.07E-04	4.68E-04	3.89E-05	1.09E-04	9.87E-01	3.99E-03	4.50E-21	-2.77E-20	-7.20E-04	-8.03E-18	1.58E-18	-1.72E-04	-8.94E-04	-2.58E-04	-1.77E-05	-9.68E-03	-2.17E-03	8.99E-21
Shapiro-Wilk score	7.072E-01	8.521E-01	7.873E-01	9.699E-01	9.289E-01	9.916E-01	9.585E-01	9.604E-01	9.566E-01	9.604E-01	9.807E-01	9.387E-01	2.838E-01	2.809E-01	9.598E-01	9.921E-01	9.907E-01	9.638E-01	9.617E-01	9.671E-01	9.338E-01	9.884E-01	9.844E-01	8.064E-01
Local	1.25E-02	5.36E-03	9.73E-01	1.37E-03	1.65E-02	-2.30E-17	2.30E-04	5.02E-04	4.31E-05	1.30E-04	-8.36E-17	4.60E-03	0.00E+00	0.00E+00	-7.83E-04	-6.37E-17	-3.32E-18	-1.88E-04	-9.78E-04	-2.78E-04	-2.22E-05	-9.81E-03	-2.24E-03	1.36E-18
Min	2.79E-03	1.40E-03	8.08E-01	8.17E-04	8.59E-03	-3.84E-16	1.00E-04	2.26E-04	1.93E-05	5.23E-05	-4.83E-16	2.02E-03	-2.62E-17	-3.38E-17	-1.87E-03	-8.95E-16	-8.26E-16	-4.41E-04	-2.21E-03	-5.96E-04	-8.37E-05	-1.61E-02	-4.11E-03	-3.02E-17
Max	1.36E-01	2.88E-02	9.94E-01	2.69E-03	4.15E-02	2.83E-16	5.40E-04	1.20E-03	1.17E-04	3.64E-04	5.60E-16	1.28E-02	2.96E-17	2.70E-17	-3.55E-04	9.99E-16	7.73E-16	-8.66E-05	-4.77E-04	-1.45E-04	-7.44E-06	2.60E-03	-1.41E-03	9.01E-17
Normalized peak height	1.34E-02	7.15E-03	9.25E-03	4.21E-03	4.43E-03	2.30E-02	4.43E-03	4.34E-03	4.79E-03	4.97E-03	1.26E-02	4.84E-03	9.23E-01	9.32E-01	4.32E-03	5.65E-03	7.44E-03	4.46E-03	4.59E-03	4.20E-03	5.52E-03	6.42E-03	3.98E-03	3.45E-01
Peak sensitivity value	6.58E-03	3.77E-03	9.81E-01	1.26E-03	1.47E-02	2.82E-19	2.10E-04	4.51E-04	3.66E-05	1.16E-04	1.36E-19	3.70E-03	-1.47E-20	5.28E-21	-6.85E-04	1.89E-17	-4.96E-19	-1.72E-04	-9.64E-04	-2.48E-04	-1.72E-05	-9.65E-03	-2.21E-03	3.09E-20
Shapiro-Wilk score	7.070E-01	8.568E-01	7.894E-01	9.712E-01	9.297E-01	9.993E-01	9.602E-01	9.602E-01	9.573E-01	9.623E-01	9.875E-01	9.398E-01	2.853E-01	2.756E-01	9.603E-01	9.930E-01	9.911E-01	9.640E-01	9.625E-01	9.680E-01	9.367E-01	9.893E-01	9.847E-01	8.027E-01
Local	1.25E-02	5.36E-03	9.73E-01	1.37E-03	1.65E-02	-4.14E-17	2.30E-04	5.02E-04	4.31E-05	1.30E-04	-1.06E-16	4.60E-03	0.00E+00	0.00E+00	-7.83E-04	-6.37E-17	-3.32E-18	-1.88E-04	-9.78E-04	-2.78E-04	-2.22E-05	-9.81E-03	-2.24E-03	1.36E-18
Min	2.91E-03	1.53E-03	8.06E-01	8.65E-04	8.85E-03	-2.38E-16	1.03E-04	2.22E-04	1.83E-05	4.79E-05	-6.27E-16	1.98E-03	-3.67E-17	-2.75E-17	-2.04E-03	-1.16E-15	-9.60E-16	-5.49E-04	-2.50E-03	-6.43E-04	-7.64E-05	-1.72E-02	-3.98E-03	-8.26E-18
Max	1.29E-01	3.00E-02	9.93E-01	2.74E-03	4.16E-02	2.62E-16	5.81E-04	1.34E-03	1.16E-04	3.37E-04	5.12E-16	1.39E-02	3.17E-17	2.90E-17	-3.65E-04	1.02E-15	6.71E-16	-8.01E-05	-4.67E-04	-1.38E-04	-6.63E-06	2.39E-03	-1.31E-03	5.12E-17
Normalized peak height	1.23E-02	7.76E-03	9.39E-03	4.25E-03	4.55E-03	3.84E-02	4.68E-03	5.18E-03	5.02E-03	4.94E-03	9.75E-03	5.07E-03	9.25E-01	9.33E-01	4.85E-03	6.52E-03	7.43E-03	5.77E-03	4.98E-03	4.80E-03	5.11E-03	6.84E-03	4.23E-03	3.44E-01
Peak sensitivity value	6.51E-03	3.79E-03	9.80E-01	1.28E-03	1.44E-02	1.27E-19	2.01E-04	4.49E-04	3.96E-05	1.19E-04	-3.08E-20	4.04E-03	3.20E-20	1.36E-20	-6.78E-04	2.74E-17	-3.96E-19	-1.68E-04	-8.87E-04	-2.61E-04	-1.66E-05	-9.59E-03	-2.20E-03	-2.86E-20
Shapiro-Wilk score	7.091E-01	8.509E-01	7.887E-01	9.707E-01	9.310E-01	9.919E-01	9.589E-01	9.608E-01	9.587E-01	9.624E-01	9.853E-01	9.412E-01	2.806E-01	2.743E-01	9.604E-01	9.923E-01	9.907E-01	9.650E-01	9.623E-01	9.686E-01	9.368E-01	9.888E-01	9.850E-01	8.601E-01
Local	1.27E-02	5.48E-03	9.94E-01	3.42E-03	4.14E-02	4.62E-16	-6.63E-03	-1.45E-02	-1.24E-03	-3.75E-03	2.63E-15	-1.33E-01	0.00E+00	0.00E+00	2.26E-02	1.83E-15	9.24E-17	5.43E-03	2.82E-02	8.02E-03	6.39E-04	-2.82E-02	6.46E-02	3.55E-18
Min	2.92E-03	1.44E-03	8.14E-01	2.24E-03	2.58E-02	-6.52E-15	-1.04E-02	-2.18E-02	-2.01E-03	-6.97E-03	-1.19E-14	-2.04E-01	-9.57E-16	-7.24E-16	1.29E-02	-2.24E-14	-1.96E-14	3.48E-03	2.07E-02	5.85E-03	2.73E-04	-3.77E-02	4.85E-02	-1.93E-17
Max	1.37E-01	3.90E-02	1.05E+00	5.28E-03	8.70E-02	5.90E-15	-3.66E-03	-8.15E-03	-7.01E-04	-1.70E-03	1.29E-14	-8.24E-02	8.48E-16	8.40E-16	3.54E-02	2.21E-14	1.84E-14	8.01E-03	3.67E-02	1.08E-02	1.31E-03	-1.28E-02	8.40E-02	2.45E-16
Normalized peak height	1.29E-02	9.73E-03	6.38E-03	3.88E-03	4.63E-03	3.77E-02	3.43E-03	3.72E-03	3.59E-03	3.81E-03	2.19E-02	2.87E-03	9.24E-01	9.32E-01	3.68E-03	4.70E-03	5.60E-03	3.20E-03	3.18E-03	3.27E-03	3.50E-03	5.32E-03	3.21E-03	3.44E-01
Peak sensitivity value	6.74E-03	3.97E-03	9.85E-01	3.29E-03	3.76E-02	5.23E-18	-6.54E-03	-1.39E-02	-1.18E-03	-3.48E-03	7.84E-18	-1.21E-01	-8.77E-19	-6.56E-19	2.17E-02	4.45E-16	-4.94E-16	5.16E-03	2.75E-02	7.90E-03	5.59E-04	-2.83E-02	6.52E-02	-1.04E-19
Shapiro-Wilk score	7.045E-01	8.454E-01	9.768E-01	9.853E-01	9.391E-01	9.979E-01	9.936E-01	9.969E-01	9.925E-01	9.875E-01	9.943E-01	9.806E-01	2.805E-01	2.742E-01	9.959E-01	9.987E-01	9.978E-01	9.955E-01	9.960E-01	9.973E-01	9.778E-01	9.979E-01	9.985E-01	8.373E-01
Local	1.27E-02	5.48E-03	9.94E-01	3.42E-03	4.14E-02	1.39E-15	-6.63E-03	-1.45E-02	-1.24E-03	-3.75E-03	3.85E-15	-1.33E-01	0.00E+00	0.00E+00	2.26E-02	2.02E-15	1.13E-16	5.43E-03	2.82E-02	8.02E-03	6.39E-04	-2.82E-02	6.46E-02	3.55E-18
Min	2.88E-03	1.49E-03	8.24E-01	2.35E-03	2.68E-02	-5.65E-15	-1.03E-02	-2.21E-02	-1.99E-03	-7.30E-03	-1.54E-14	-2.01E-01	-8.44E-16	-8.73E-16	1.20E-02	-2.27E-14	-1.81E-14	3.44E-03	2.02E-02	5.87E-03	2.66E-04	-3.77E-02	4.84E-02	-5.15E-17
Max	1.30E-01	3.35E-02	1.06E+00	5.19E-03	8.39E-02	6.12E-15	-3.84E-03	-7.82E-03	-6.88E-04	-1.75E-03	1.72E-14	-8.04E-02	1.01E-15	8.23E-16	3.42E-02	2.05E-14	2.59E-14	8.00E-03	3.66E-02	1.08E-02	1.38E-03	-1.50E-02	8.46E-02	6.56E-16
Normalized peak height	1.23E-02	8.10E-03	6.27E-03	3.91E-03	3.91E-03	1.43E-02	3.17E-03	3.78E-03	3.53E-03	4.00E-03	7.17E-03	2.67E-03	9.24E-01	9.33E-01	3.57E-03	4.61E-03	7.08E-03	3.48E-03	2.98E-03	3.37E-03	3.87E-03	4.57E-03	3.17E-03	3.45E-01
Peak sensitivity value	6.99E-03	3.62E-03	9.81E-01	3.34E-03	3.59E-02	-5.03E-18	-6.32E-03	-1.41E-02	-1.20E-03	-3.38E-03	-9.63E-18	-1.31E-01	3.56E-19	-3.28E-19	2.18E-02	-5.53E-16	3.61E-17	5.40E-03	2.73E-02	7.84E-03	6.11E-04	-2.82E-02	6.61E-02	-1.74E-19
Shapiro-Wilk score	7.004E-01	8.481E-01	9.762E-01	9.850E-01	9.399E-01	9.976E-01	9.937E-01	9.973E-01	9.924E-01	9.879E-01	9.957E-01	9.806E-01	2.844E-01	2.730E-01	9.961E-01	9.988E-01	9.977E-01	9.948E-01	9.959E-01	9.975E-01	9.777E-01	9.980E-01	9.986E-01	6.394E-01
Local	1.27E-02	5.48E-03	9.94E-01	3.42E-03	4.14E-02	1.11E-15	-6.63E-03	-1.45E-02	-1.24E-03	-3.75E-03	-1.02E-14	-1.33E-01	0.00E+00	0.00E+00	2.26E-02	3.98E-16	1.24E-16	5.43E-03	2.82E-02	8.02E-03	6.39E-04	-2.82E-02	6.46E-02	3.55E-18
Min	2.76E-03	1.42E-03	8.43E-01	2.34E-03	2.65E-02	-6.00E-15	-1.01E-02	-2.22E-02	-2.03E-03	-6.99E-03	-5.56E-14	-2.07E-01	-8.22E-16	-8.04E-16	1.33E-02	-2.13E-14	-2.10E-14	3.46E-03	2.06E-02	5.98E-03	2.69E-04	-3.79E-02	4.76E-02	-1.96E-17
Max	1.39E-01	2.92E-02	1.06E+00	5.83E-03	8.94E-02	7.33E-15	-3.75E-03	-8.80E-03	-6.79E-04	-1.67E-03	5.17E-14	-8.12E-02	7.11E-16	7.05E-16	3.50E-02	2.23E-14	1.91E-14	8.12E-03	3.69E-02	1.05E-02	1.36E-03	-1.55E-02	8.35E-02	2.93E-16
Normalized peak height	1.35E-02	6.95E-03	5.85E-03	4.21E-03	4.54E-03	5.47E-02	3.40E-03	3.47E-03	3.80E-03	3.98E-03	1.79E-02	2.86E-03	9.24E-01	9.29E-01	3.78E-03	4.46E-03	6.00E-03	3.42E-03	2.92E-03	3.15E-03	3.73E-03	4.99E-03	3.28E-03	3.43E-01
Peak sensitivity value	7.06E-03	4.35E-03	9.86E-01	3.41E-03	3.59E-02	-2.20E-16	-6.34E-03	-1.38E-02	-1.19E-03	-3.67E-03	6.08E-18	-1.25E-01	4.73E-19	-1.85E-19	2.18E-02	4.95E-16	-1.47E-16	5.17E-03	2.78E-02	7.85E-03	5.63E-04	-2.78E-02	6.58E-02	-7.17E-20
Shapiro-Wilk score	7.123E-01	8.532E-01	9.798E-01	9.848E-01	9.390E-01	9.983E-01	9.938E-01	9.966E-01	9.924E-01	9.866E-01	9.979E-01	9.800E-01	2.900E-01	2.782E-01	9.958E-01	9.989E-01	9.974E-01	9.954E-01	9.962E-01	9.973E-01	9.783E-01	9.985E-01	9.984E-01	8.235E-01
Local	1.01E-02	4.37E-03	7.92E-01	2.32E-03	2.81E-02	-1.03E-15	9.18E-03	2.01E-02	1.72E-03	5.20E-03	-5.10E-15	1.84E-01	0.00E+00	0.00E+00	-3.13E-02	-1.10E-17	1.39E-15	-7.52E-03	-3.91E-02	-1.11E-02	-8.85E-04	-1.89E-02	5.21E-02	2.13E-18
Min	2.46E-03	1.26E-03	6.18E-01	1.58E-03	1.75E-02	-2.31E-15	4.90E-03	1.05E-02	8.98E-04	2.35E-03	-2.06E-14	1.07E-01	-7.56E-16	-5.38E-16	-5.03E-02	-8.27E-15	-4.70E-15	-1.17E-02	-5.49E-02	-1.52E-02	-2.08E-03	-2.82E-02	3.27E-02	-1.35E-17
Max	9.44E-02	2.57E-02	8.62E-01	3.49E-03	5.78E-02	2.12E-15	1.48E-02	3.30E-02	3.12E-03	1.05E-02	2.12E-14	3.08E-01	6.79E-16	6.01E-16	-1.73E-02	7.41E-15	4.35E-15	-4.39E-03	-2.72E-02	-7.86E-03	-3.36E-04	-7.61E-03	7.09E-02	6.26E-17
Normalized peak height	1.13E-02	7.81E-03	3.88E-03	3.48E-03	4.25E-03	4.85E-03	3.41E-03	3.82E-03	3.91E-03	4.11E-03	2.02E-02	2.93E-03	9.32E-01	9.42E-01	3.61E-03	6.16E-03	5.71E-03	3.54E-03	2.80E-03	3.01E-03	3.75E-03	4.24E-03	3.27E-03	3.43E-01
Peak sensitivity value	5.72E-03	3.13E-03	8.14E-01	2.29E-03	2.65E-02	-2.11E-18	8.85E-03	1.90E-02	1.58E-03	4.78E-03	1.86E-17	1.55E-01	-5.19E-19	2.18E-19	-3.13E-02	4.86E-17	1.18E-16	-6.95E-03	-3.83E-02	-1.13E-02	-7.95E-04	-2.00E-02	5.47E-02	2.69E-20
Shapiro-Wilk score	7.156E-01	8.628E-01	9.570E-01	9.932E-01	9.606E-01	9.991E-01	9.911E-01	9.930E-01	9.887E-01	9.845E-01	9.975E-01	9.744E-01	2.679E-01	2.481E-01	9.919E-01	9.961E-01	9.950E-01	9.927E-01	9.924E-01	9.950E-01	9.707E-01	9.985E-01	9.976E-01	9.262E-01
Local	1.16E-02	4.98E-03	9.03E-01	2.92E-03	3.54E-02	-1.85E-16	5.23E-04	1.14E-03	9.81E-05	2.96E-04	-9.79E-15	1.05E-02	0.00E+00	0.00E+00	-1.78E-03	7.65E-16	6.61E-16	-4.28E-04	-2.23E-03	-6.32E-04	-5.04E-05	-2.40E-02	5.89E-02	2.91E-18
Min	2.79E-03	1.31E-03	7.48E-01	2.07E-03	2.27E-02	-3.42E-15	2.65E-04	5.75E-04	5.07E-05	1.25E-04	-2.67E-14	5.37E-03	-6.95E-16	-7.05E-16	-3.76E-03	-1.71E-14	-8.26E-15	-8.78E-04	-4.20E-03	-1.08E-03	-1.46E-04	-3.36E-02	4.31E-02	-1.56E-17
Max	1.21E-01	2.79E-02	9.29E-01	4.43E-03	7.29E-02	3.80E-15	1.06E-03	2.39E-03	2.14E-04	6.35E-04	2.75E-14	2.37E-02	7.92E-16	6.55E-16	-9.38E-04	1.39E-14	1.12E-14	-2.29E-04	-1.33E-03	-3.77E-04	-1.85E-05	-1.16E-02	7.65E-02	1.25E-16
Normalized peak height	1.24E-02	7.51E-03	8.62E-03	3.73E-03	4.11E-03	4.75E-03	3.87E-03	4.39E-03	4.27E-03	4.00E-03	4.74E-03	3.82E-03	9.23E-01	9.28E-01	4.23E-03	5.55E-03	5.08E-03	4.23E-03	3.80E-03	3.64E-03	4.95E-03	5.19E-03	2.99E-03	3.46E-01
Peak sensitivity value	5.68E-03	4.14E-03	9.06E-01	2.88E-03	3.28E-02	-1.01E-16	5.08E-04	1.05E-03	9.43E-05	2.70E-04	-7.70E-18	9.05E-03	5.06E-19	4.64E-19	-1.68E-03	1.27E-16	1.29E-17	-3.89E-04	-2.02E-03	-5.98E-04	-4.34E-05	-2.44E-02	5.95E-02	-7.09E-23
Shapiro-Wilk score	7.089E-01	8.571E-01	8.243E-01	9.881E-01	9.466E-01	9.985E-01	9.756E-01	9.765E-01	9.724E-01	9.746E-01	9.984E-01	9.568E-01	2.846E-01	2.772E-01	9.763E-01	9.985E-01	9.981E-01	9.787E-01	9.776E-01	9.818E-01	9.534E-01	9.981E-01	9.983E-01	8.834E-01
Local	1.16E-02	4.98E-03	9.03E-01	2.92E-03	3.54E-02	-2.35E-16	5.23E-04	1.14E-03	9.81E-05	2.96E-04	-4.52E-14	1.05E-02	0.00E+00	0.00E+00	-1.78E-03	-2.42E-15	1.16E-15	-4.28E-04	-2.23E-03	-6.32E-04	-5.04E-05	-2.40E-02	5.89E-02	2.91E-18
Min	2.52E-03	1.17E-03	7.71E-01	2.02E-03	2.31E-02	-2.55E-14	2.56E-04	5.80E-04	4.87E-05	1.35E-04	-2.56E-13	5.30E-03	-7.50E-16	-7.26E-16	-3.70E-03	-1.96E-14	-9.86E-15	-8.70E-04	-4.12E-03	-1.18E-03	-1.37E-04	-3.35E-02	4.33E-02	-1.66E-17
Max	1.06E-01	2.47E-02	9.27E-01	4.47E-03	7.03E-02	2.52E-14	1.19E-03	2.46E-03	2.36E-04	6.79E-04	1.99E-13	2.27E-02	7.96E-16	6.11E-16	-9.18E-04	1.94E-14	8.53E-15	-2.16E-04	-1.28E-03	-3.75E-04	-1.90E-05	-1.41E-02	7.68E-02	1.26E-16
Normalized peak height	1.11E-02	6.45E-03	7.37E-03	3.82E-03	3.84E-03	3.89E-03	4.84E-03	4.20E-03	4.77E-03	4.20E-03	6.47E-03	3.80E-03	9.31E-01	9.46E-01	4.29E-03	5.33E-03	5.50E-03	4.30E-03	3.84E-03	3.96E-03	4.12E-03	4.30E-03	3.03E-03	3.44E-01
Peak sensitivity value	5.79E-03	3.58E-03	9.07E-01	2.82E-03	3.21E-02	-4.52E-16	4.68E-04	1.04E-03	8.88E-05	2.81E-04	-1.79E-16	9.09E-03	6.14E-19	6.53E-19	-1.72E-03	1.98E-16	1.56E-16	-4.07E-04	-2.13E-03	-5.85E-04	-4.27E-05	-2.52E-02	5.95E-02	2.66E-21
Shapiro-Wilk score	7.138E-01	8.579E-01	8.275E-01	9.888E-01	9.469E-01	9.999E-01	9.754E-01	9.763E-01	9.743E-01	9.759E-01	9.942E-01	9.573E-01	2.722E-01	2.529E-01	9.758E-01	9.972E-01	9.963E-01	9.795E-01	9.780E-01	9.832E-01	9.546E-01	9.988E-01	9.983E-01	8.917E-01
Local	1.16E-02	4.98E-03	9.03E-01	2.92E-03	3.54E-02	2.24E-15	5.23E-04	1.14E-03	9.81E-05	2.96E-04	5.94E-14	1.05E-02	0.00E+00	0.00E+00	-1.78E-03	4.02E-15	-8.26E-16	-4.28E-04	-2.23E-03	-6.32E-04	-5.04E-05	-2.40E-02	5.89E-02	2.91E-18
Min	2.70E-03	1.36E-03	7.21E-01	2.04E-03	2.32E-02	-1.59E-14	2.50E-04	5.42E-04	4.60E-05	1.31E-04	-2.15E-13	5.28E-03	-8.34E-16	-5.95E-16	-3.91E-03	-1.62E-14	-7.49E-15	-8.44E-04	-4.23E-03	-1.18E-03	-1.37E-04	-3.38E-02	4.22E-02	-5.84E-17
Max	1.32E-01	3.11E-02	9.29E-01	4.35E-03	7.13E-02	1.77E-14	1.16E-03	2.53E-03	2.44E-04	6.70E-04	2.26E-13	2.36E-02	8.26E-16	6.52E-16	-9.04E-04	1.37E-14	8.70E-15	-2.16E-04	-1.33E-03	-3.75E-04	-1.76E-05	-1.07E-02	7.73E-02	1.25E-16
Normalized peak height	1.36E-02	8.40E-03	9.63E-03	3.68E-03	4.13E-03	1.04E-02	4.38E-03	4.52E-03	5.14E-03	4.34E-03	1.72E-01	3.95E-03	9.30E-01	9.47E-01	4.49E-03	5.08E-03	5.28E-03	3.89E-03	3.89E-03	4.15E-03	4.31E-03	5.17E-03	3.14E-03	3.40E-01
Peak sensitivity value	6.52E-03	3.66E-03	9.07E-01	2.82E-03	3.13E-02	-1.59E-17	4.75E-04	1.07E-03	8.84E-05	2.64E-04	-9.49E-18	9.08E-03	-3.03E-19	3.04E-19	-1.70E-03	-1.26E-17	4.17E-19	-3.86E-04	-2.12E-03	-6.07E-04	-4.19E-05	-2.49E-02	6.07E-02	-3.04E-20
Shapiro-Wilk score	7.132E-01	8.558E-01	8.286E-01	9.881E-01	9.460E-01	9.975E-01	9.751E-01	9.760E-01	9.731E-01	9.745E-01	9.686E-01	9.585E-01	2.754E-01	2.536E-01	9.752E-01	9.970E-01	9.966E-01	9.796E-01	9.780E-01	9.833E-01	9.552E-01	9.978E-01	9.982E-01	8.562E-01

(Pyruvate decarboxylase)												
Local	1.16E-02	4.98E-03	9.03E-01	2.92E-03	3.54E-02	-8.93E-16	5.23E-04	1.14E-03	9.81E-05	2.96E-04	-6.66E-16	1.05E-02
Min	2.65E-03	1.38E-03	7.50E-01	2.06E-03	2.27E-02	-3.41E-15	2.60E-04	5.39E-04	4.86E-05	1.26E-04	-5.55E-15	5.19E-03
Max	1.24E-01	2.77E-02	9.27E-01	4.65E-03	7.93E-02	5.35E-15	1.16E-03	2.36E-03	2.18E-04	6.41E-04	5.44E-15	2.81E-02
Normalized peak height	1.26E-02	7.33E-03	8.34E-03	4.16E-03	4.78E-03	2.03E-02	4.74E-03	4.20E-03	4.40E-03	4.20E-03	9.38E-02	4.60E-03
Peak sensitivity value	6.34E-03	3.47E-03	9.07E-01	2.87E-03	3.29E-02	4.10E-18	4.62E-04	1.13E-03	9.66E-05	2.73E-04	-2.26E-16	9.46E-03
Shapiro-Wilk score	7.115E-01	8.545E-01	8.265E-01	9.883E-01	9.444E-01	9.616E-01	9.754E-01	9.763E-01	9.742E-01	9.760E-01	9.947E-01	9.563E-01
(Alcohol dehydrogenase)												
Local	1.01E-02	4.37E-03	7.92E-01	2.32E-03	2.81E-02	-3.80E-16	9.18E-03	2.01E-02	1.72E-03	5.20E-03	6.30E-16	1.84E-01
Min	2.38E-03	1.25E-03	6.05E-01	1.55E-03	1.70E-02	-1.79E-15	5.31E-03	1.11E-02	9.38E-04	2.26E-03	-4.45E-15	1.07E-01
Max	1.12E-01	2.41E-02	8.61E-01	3.55E-03	5.53E-02	1.82E-15	1.49E-02	3.42E-02	3.12E-03	9.98E-03	4.60E-15	3.15E-01
Normalized peak height	1.39E-02	7.26E-03	4.01E-03	3.68E-03	3.94E-03	7.19E-03	3.63E-03	4.03E-03	3.94E-03	3.72E-03	1.86E-02	3.07E-03
Peak sensitivity value	5.62E-03	3.66E-03	8.05E-01	2.30E-03	2.65E-02	2.49E-18	8.92E-03	1.94E-02	1.61E-03	4.78E-03	-1.28E-18	1.63E-01
Shapiro-Wilk score	7.202E-01	8.651E-01	9.564E-01	9.935E-01	9.616E-01	9.823E-01	9.911E-01	9.930E-01	9.885E-01	9.840E-01	9.953E-01	9.738E-01
(Ethanol out)												
Local	1.01E-02	4.37E-03	7.92E-01	2.32E-03	2.81E-02	-4.21E-16	9.18E-03	2.01E-02	1.72E-03	5.20E-03	5.13E-16	1.84E-01
Min	2.50E-03	1.24E-03	6.24E-01	1.52E-03	1.75E-02	-1.68E-15	5.05E-03	1.06E-02	9.00E-04	2.27E-03	-3.72E-15	1.06E-01
Max	1.05E-01	2.95E-02	8.62E-01	3.60E-03	5.72E-02	1.64E-15	1.50E-02	3.30E-02	3.04E-03	1.05E-02	4.31E-15	3.06E-01
Normalized peak height	1.27E-02	8.98E-03	3.66E-03	3.87E-03	4.20E-03	1.06E-01	3.53E-03	3.89E-03	3.66E-03	4.09E-03	2.55E-01	2.78E-03
Peak sensitivity value	5.64E-03	3.12E-03	7.95E-01	2.29E-03	2.65E-02	-1.16E-18	8.86E-03	1.94E-02	1.65E-03	4.76E-03	2.01E-19	1.74E-01
Shapiro-Wilk score	7.101E-01	8.522E-01	9.564E-01	9.933E-01	9.619E-01	9.853E-01	9.914E-01	9.934E-01	9.886E-01	9.846E-01	9.831E-01	9.744E-01
(Ethanol flow)												
Local	1.01E-02	4.37E-03	7.92E-01	2.32E-03	2.81E-02	-3.81E-16	9.18E-03	2.01E-02	1.72E-03	5.20E-03	-1.74E-16	1.84E-01
Min	2.25E-03	1.31E-03	6.05E-01	1.58E-03	1.82E-02	-1.89E-15	4.92E-03	1.14E-02	9.18E-04	2.26E-03	-3.68E-15	1.06E-01
Max	1.21E-01	2.78E-02	8.60E-01	3.52E-03	5.66E-02	2.17E-15	1.54E-02	3.46E-02	3.07E-03	1.02E-02	3.02E-15	3.09E-01
Normalized peak height	1.45E-02	8.75E-03	4.00E-03	3.78E-03	3.89E-03	1.98E-02	3.73E-03	4.00E-03	3.80E-03	4.05E-03	6.32E-02	2.83E-03
Peak sensitivity value	5.74E-03	3.18E-03	8.10E-01	2.35E-03	2.61E-02	-1.42E-18	8.24E-03	1.93E-02	1.58E-03	4.69E-03	2.88E-19	1.64E-01
Shapiro-Wilk score	7.207E-01	8.633E-01	9.570E-01	9.933E-01	9.613E-01	9.822E-01	9.909E-01	9.929E-01	9.891E-01	9.851E-01	9.981E-01	9.739E-01
(Glycerol synthesis)												
Local	2.51E-02	1.08E-02	1.96E+00	8.63E-03	1.04E-01	8.06E-15	-8.18E-02	-1.79E-01	-1.53E-02	-4.63E-02	1.65E-14	-1.64E+00
Min	5.75E-03	2.84E-03	1.68E+00	5.83E-03	6.55E-02	-4.78E-14	-1.28E-01	-2.60E-01	-2.23E-02	-7.86E-02	-8.71E-14	-1.98E+00
Max	2.72E-01	6.36E-02	2.29E+00	1.31E-02	2.08E-01	5.30E-14	-4.29E-02	-1.13E-01	-9.87E-03	-2.49E-02	6.30E-14	-1.34E+00
Normalized peak height	1.27E-02	7.99E-03	3.05E-03	3.61E-03	4.35E-03	7.88E-03	3.48E-03	3.61E-03	3.66E-03	3.64E-03	1.59E-02	2.99E-03
Peak sensitivity value	1.31E-02	7.19E-03	1.93E+00	8.26E-03	9.07E-02	-2.89E-16	-8.08E-02	-1.80E-01	-1.49E-02	-4.52E-02	2.84E-17	-1.61E+00
Shapiro-Wilk score	6.918E-01	8.391E-01	9.897E-01	9.851E-01	9.383E-01	9.913E-01	9.963E-01	9.994E-01	9.974E-01	9.939E-01	9.916E-01	9.913E-01
(Glycerol out)												
Local	2.51E-02	1.08E-02	1.96E+00	8.63E-03	1.04E-01	8.12E-15	-8.18E-02	-1.79E-01	-1.53E-02	-4.63E-02	1.55E-14	-1.64E+00
Min	5.01E-03	2.75E-03	1.68E+00	5.67E-03	6.54E-02	-4.51E-14	-1.28E-01	-2.63E-01	-2.23E-02	-7.85E-02	-6.60E-14	-1.99E+00
Max	2.74E-01	7.20E-02	2.30E+00	1.34E-02	2.13E-01	4.88E-14	-4.46E-02	-1.10E-01	-1.03E-02	-2.33E-02	5.95E-14	-1.34E+00
Normalized peak height	1.31E-02	8.75E-03	2.97E-03	3.80E-03	4.25E-03	7.31E-03	3.19E-03	3.65E-03	3.69E-03	3.83E-03	2.59E-02	3.26E-03
Peak sensitivity value	1.27E-02	7.77E-03	1.91E+00	8.10E-03	9.26E-02	-3.64E-16	-7.86E-02	-1.81E-01	-1.53E-02	-4.46E-02	-5.22E-17	-1.59E+00
Shapiro-Wilk score	6.993E-01	8.436E-01	9.901E-01	9.859E-01	9.388E-01	9.910E-01	9.966E-01	9.993E-01	9.970E-01	9.940E-01	9.909E-01	9.918E-01
(Glycerol flow)												
Local	2.51E-02	1.08E-02	1.96E+00	8.63E-03	1.04E-01	8.14E-15	-8.18E-02	-1.79E-01	-1.53E-02	-4.63E-02	1.49E-14	-1.64E+00
Min	5.41E-03	2.77E-03	1.62E+00	5.64E-03	6.45E-02	-5.60E-14	-1.29E-01	-2.55E-01	-2.23E-02	-7.60E-02	-8.13E-14	-1.99E+00
Max	2.74E-01	6.93E-02	2.31E+00	1.29E-02	2.08E-01	4.26E-14	-4.46E-02	-1.13E-01	-1.00E-02	-2.47E-02	6.41E-14	-1.33E+00
Normalized peak height	1.31E-02	8.42E-03	3.32E-03	3.59E-03	4.09E-03	8.04E-03	3.24E-03	3.51E-03	3.84E-03	3.68E-03	3.79E-02	2.99E-03
Peak sensitivity value	1.25E-02	7.27E-03	1.90E+00	8.10E-03	9.26E-02	2.49E-16	-7.79E-02	-1.79E-01	-1.49E-02	-4.36E-02	-6.74E-17	-1.63E+00
Shapiro-Wilk score	7.015E-01	8.448E-01	9.904E-01	9.861E-01	9.395E-01	9.916E-01	9.966E-01	9.994E-01	9.965E-01	9.940E-01	9.910E-01	9.913E-01
(Acetaldehyde out)												
Local	2.51E-02	1.08E-02	1.96E+00	8.63E-03	1.04E-01	-5.92E-15	-8.18E-02	-1.79E-01	-1.53E-02	-4.63E-02	4.56E-21	-1.64E+00
Min	5.53E-03	2.60E-03	1.63E+00	5.55E-03	6.58E-02	-2.40E-14	-1.31E-01	-2.52E-01	-2.28E-02	-7.62E-02	-5.10E-14	-2.05E+00
Max	3.16E-01	6.68E-02	2.34E+00	1.32E-02	2.06E-01	2.31E-14	-4.38E-02	-1.07E-01	-1.04E-02	-2.52E-02	4.62E-14	-1.35E+00
Normalized peak height	1.48E-02	8.24E-03	3.49E-03	3.76E-03	4.12E-03	3.05E-02	3.31E-03	3.47E-03	3.76E-03	3.56E-03	2.97E-01	3.31E-03
Peak sensitivity value	1.44E-02	8.35E-03	1.93E+00	8.16E-03	9.02E-02	-1.49E-18	-8.00E-02	-1.84E-01	-1.50E-02	-4.34E-02	-2.64E-17	-1.54E+00
Shapiro-Wilk score	7.019E-01	8.450E-01	9.904E-01	9.855E-01	9.390E-01	9.837E-01	9.969E-01	9.994E-01	9.970E-01	9.933E-01	9.801E-01	9.918E-01
(Acetaldehyde flow)												
Local	2.55E-02	1.10E-02	1.99E+00	8.78E-03	1.06E-01	-5.73E-15	-8.32E-02	-1.82E-01	-1.56E-02	-4.71E-02	-8.63E-15	-1.67E+00
Min	5.24E-03	2.87E-03	1.63E+00	5.67E-03	6.66E-02	-3.13E-14	-1.31E-01	-2.63E-01	-2.22E-02	-7.84E-02	-5.08E-14	-2.06E+00
Max	2.70E-01	7.02E-02	2.32E+00	1.36E-02	2.19E-01	2.46E-14	-4.34E-02	-1.08E-01	-9.76E-03	-2.30E-02	4.84E-14	-1.34E+00
Normalized peak height	1.23E-02	8.44E-03	3.10E-03	3.71E-03	4.70E-03	8.37E-03	3.22E-03	3.65E-03	3.85E-03	3.78E-03	6.21E-02	3.08E-03
Peak sensitivity value	1.12E-02	7.34E-03	1.92E+00	8.60E-03	9.79E-02	-6.45E-17	-8.46E-02	-1.76E-01	-1.58E-02	-4.50E-02	-4.17E-17	-1.60E+00
Shapiro-Wilk score	6.960E-01	8.360E-01	9.896E-01	9.838E-01	9.358E-01	9.825E-01	9.966E-01	9.991E-01	9.968E-01	9.939E-01	9.908E-01	9.909E-01
(Cyanide-Acetaldehyde flow)												
Local	2.36E-02	1.02E-02	1.85E+00	8.13E-03	9.84E-02	-5.30E-15	-7.71E-02	-1.69E-01	-1.45E-02	-4.36E-02	-8.00E-15	-1.54E+00
Min	5.14E-03	2.49E-03	1.57E+00	5.51E-03	6.28E-02	-2.29E-14	-1.22E-01	-2.48E-01	-2.05E-02	-7.55E-02	-4.74E-14	-1.86E+00
Max	2.52E-01	5.90E-02	2.12E+00	1.22E-02	1.90E-01	2.43E-14	-3.81E-02	-1.01E-01	-9.62E-03	-2.37E-02	4.91E-14	-1.26E+00
Normalized peak height	1.28E-02	7.51E-03	3.43E-03	3.75E-03	3.91E-03	7.52E-03	3.32E-03	3.75E-03	3.36E-03	3.81E-03	1.97E-02	3.32E-03
Peak sensitivity value	1.19E-02	6.93E-03	1.80E+00	7.64E-03	8.61E-02	-2.31E-16	-7.56E-02	-1.66E-01	-1.40E-02	-4.07E-02	1.72E-17	-1.49E+00
Shapiro-Wilk score	7.007E-01	8.434E-01	9.927E-01	9.875E-01	9.414E-01	9.824E-01	9.963E-01	9.992E-01	9.968E-01	9.943E-01	9.901E-01	9.940E-01
(Cyanide flow)												
Local	2.36E-02	1.02E-02	1.85E+00	8.13E-03	9.84E-02	-5.36E-15	-7.71E-02	-1.69E-01	-1.45E-02	-4.36E-02	-7.92E-15	-1.54E+00
Min	5.14E-03	2.68E-03	1.51E+00	5.45E-03	6.13E-02	-2.16E-14	-1.25E-01	-2.43E-01	-2.12E-02	-7.46E-02	-3.60E-14	-1.88E+00
Max	2.49E-01	6.67E-02	2.17E+00	1.20E-02	1.89E-01	2.57E-14	-4.26E-02	-1.04E-01	-9.38E-03	-2.24E-02	5.22E-14	-1.26E+00
Normalized peak height	1.28E-02	8.67E-03	3.80E-03	3.51E-03	4.18E-03	7.82E-03	3.28E-03	3.55E-03	3.77E-03	3.95E-03	6.64E-02	3.46E-03
Peak sensitivity value	1.31E-02	7.19E-03	1.81E+00	7.78E-03	8.78E-02	4.53E-17	-7.53E-02	-1.67E-01	-1.40E-02	-4.36E-02	-3.08E-17	-1.51E+00
Shapiro-Wilk score	7.014E-01	8.453E-01	9.923E-01	9.872E-01	9.398E-01	9.841E-01	9.969E-01	9.993E-01	9.973E-01	9.939E-01	9.888E-01	9.941E-01
(Storage)												
Local	1.21E-02	5.20E-03	9.43E-01	-1.53E-03	-1.85E-02	-1.69E-15	9.90E-03	2.16E-02	1.86E-03	5.60E-03	-3.99E-15	1.98E-01
Min	2.98E-03	1.41E-03	7.40E-01	-2.77E-03	-4.06E-02	-8.43E-15	5.56E-03	1.16E-02	9.72E-04	2.55E-03	-1.46E-14	1.16E-01
Max	1.17E-01	3.10E-02	1.02E+00	-4.41E-04	-6.49E-03	9.23E-15	1.64E-02	3.52E-02	3.17E-03	1.12E-02	1.85E-14	3.30E-01
Normalized peak height	1.14E-02	8.41E-03	3.93E-03	3.93E-03	4.76E-03	2.84E-02	3.52E-03	3.81E-03	3.57E-03	3.84E-03	7.69E-03	2.98E-03
Peak sensitivity value	6.13E-03	4.12E-03	9.67E-01	-1.53E-03	-1.76E-02	6.33E-19	9.78E-03	2.03E-02	1.70E-03	5.23E-03	6.44E-18	1.78E-01
Shapiro-Wilk score	7.224E-01	8.609E-01	9.559E-01	9.978E-01	9.862E-01	9.970E-01	9.916E-01	9.934E-01	9.880E-01	9.837E-01	9.950E-01	9.740E-01
(ATP consumption)												
Local	-1.59E-03	-6.83E-04	-1.24E-01	2.57E-02	3.11E-01	-8.56E-16	4.80E-03	1.05E-02	9.01E-04	2.72E-03	-2.17E-15	9.61E-02
Min	-4.10E-02	-8.67E-03	-4.57E-01	1.83E-02	2.02E-01	-4.38E-15	2.34E-03	5.28E-03	4.50E-04	1.21E-03	-1.04E-14	4.87E-02
Max	-7.37E-05	-4.03E-05	-1.41E-02	3.74E-02	6.33E-01	3.77E-15	1.01E-02	2.21E-02	2.19E-03	6.28E-03	1.15E-14	2.37E-01
Normalized peak height	2.93E-02	1.32E-02	4.32E-03	3.58E-03	4.21E-03	6.54E-02	4.02E-03	4.18E-03	4.72E-03	4.23E-03	1.90E-02	4.45E-03
Peak sensitivity value	-4.22E-04	-2.78E-04	-9.41E-02	2.53E-02	2.84E-01	-8.72E-19	4.20E-03	9.55E-03	8.25E-04	2.46E-03	-7.46E-18	8.68E-02
Shapiro-Wilk score	6.058E-01	7.374E-01	9.332E-01	9.875E-01	9.434E-01	9.959E-01	9.701E-01	9.714E-01	9.690E-01	9.719E-01	9.873E-01	9.494E-01

(Pyruvate decarboxylase)												
Local	0.00E+00	0.00E+00	-1.78E-03	-6.65E-16	1.91E-15	-4.28E-04	-2.23E-03	-6.32E-04	-5.04E-05	-2.40E-02	5.89E-02	2.91E-18
Min	-7.78E-16	-6.74E-16	-3.89E-03	-1.13E-14	-7.86E-15	-8.95E-04	-5.05E-03	-1.24E-03	-1.47E-04	-3.28E-02	4.25E-02	-4.20E-17
Max	7.39E-16	6.80E-16	-8.77E-04	1.29E-14	9.43E-15	-2.27E-04	-1.28E-03	-3.70E-04	-1.87E-05	-1.33E-02	7.70E-02	2.21E-16
Normalized peak height	9.32E-01	9.48E-01	4.81E-03	7.47E-03	9.95E-03	4.56E-03	5.07E-03	4.43E-03	4.85E-03	4.58E-03	3.15E-03	3.41E-01
Peak sensitivity value	-5.55E-19	-3.77E-19	-1.66E-03	-8.68E-18	-7.32E-19	-4.09E-04	-2.19E-03	-6.12E-04	-4.24E-05	-2.48E-02	6.19E-02	-1.14E-19
Shapiro-Wilk score	2.745E-01	2.495E-01	9.758E-01	9.929E-01	9.919E-01	9.790E-01	9.761E-01	9.816E-01	9.526E-01	9.984E-01	9.984E-01	8.551E-01
(Alcohol dehydrogenase)												
Local	0.00E+00	0.00E+00	-3.13E-02	-1.84E-16	1.26E-15	-7.52E-03	-3.91E-02	-1.11E-02	-8.85E-04	-1.89E-02	5.21E-02	2.13E-18
Min	-6.33E-16	-7.02E-16	-5.24E-02	-6.61E-15	-4.39E-15	-1.18E-02	-5.56E-02	-1.51E-02	-2.01E-03	-2.86E-02	3.46E-02	-1.22E-17
Max	6.45E-16	5.89E-16	-1.76E-02	7.73E-15	4.75E-15	-4.45E-03	-2.70E-02	-7.78E-03	-3.56E-04	-7.83E-03	7.11E-02	1.51E-16
Normalized peak height	9.31E-01	9.40E-01	3.79E-03	5.70E-03	9.49E-03	3.33E-03	3.02E-03	3.09E-03	3.95E-03	4.42E-03	3.15E-03	3.45E-01
Peak sensitivity value	4.81E-19	6.11E-19	-2.97E-02	2.69E-16	2.52E-18	-7.32E-03	-3.81E-02	-1.08E-02	-7.78E-04	-1.95E-02	5.39E-02	3.99E-20
Shapiro-Wilk score	2.707E-01	2.579E-01	9.922E-01	9.965E-01	9.954E-01	9.931E-01	9.926E-01	9.946E-01	9.689E-01	9.989E-01	9.974E-01	8.069E-01
(Ethanol out)												
Local	2.37E-16	-8.88E-16	-3.13E-02	-1.07E-16	1.31E-15	-7.52E-03	-3.91E-02	-1.11E-02	-8.85E-04	-1.89E-02	5.21E-02	2.13E-18
Min	-2.44E-15	-2.66E-15	-5.24E-02	-6.64E-15	-4.43E-15	-1.17E-02	-5.51E-02	-1.50E-02	-1.89E-03	-2.82E-02	3.58E-02	-1.27E-17
Max	2.60E-15	2.66E-15	-1.67E-02	5.90E-15	5.02E-15	-4.69E-03	-2.68E-02	-7.84E-03	-3.58E-04	-8.25E-03	7.20E-02	3.22E-16
Normalized peak height	8.44E-02	4.81E-01	3.93E-03	4.99E-03	1.09E-02	3.19E-03	3.03E-03	3.21E-03	3.51E-03	4.27E-03	3.17E-03	3.41E-01
Peak sensitivity value	-2.23E-16	2.66E-18	-2.94E-02	-2.10E-16	-1.02E-18	-7.04E-03	-3.68E-02	-1.10E-02	-7.99E-04	-1.95E-02	5.54E-02	-1.12E-19
Shapiro-Wilk score	9.970E-01	8.746E-01	9.921E-01	9.971E-01	9.956E-01	9.920E-01	9.924E-01	9.952E-01	9.709E-01	9.979E-01	9.977E-01	7.558E-01
(Ethanol flow)												
Local	-3.41E-16	-1.11E-15	-3.13E-02	-1.73E-16	1.29E-15	-7.52E-03	-3.91E-02	-1.11E-02	-8.85E-04	-1.89E-02	5.21E-02	2.13E-18
Min	-7.26E-16	-2.89E-15	-5.41E-02	-6.72E-15	-4.53E-15	-1.14E-02	-5.42E-02	-1.51E-02	-1.95E-03	-2.80E-02	3.52E-02	-1.19E-17
Max	7.82E-16	2.78E-15	-1.72E-02	6.11E-15	4.92E-15	-4.60E-03	-2.67E-02	-7.89E-03	-3.59E-04	-6.63E-03	7.11E-02	1.29E-16
Normalized peak height	6.28E-01	1.20E-01	3.96E-03	5.15E-03	9.36E-03	3.21E-03	2.83E-03	3.03E-03	3.39E-03	4.56E-03	3.10E-03	3.43E-01
Peak sensitivity value	4.10E-19	-2.23E-16	-3.09E-02	-2.94E-17	1.95E-18	-7.09E-03	-3.80E-02	-1.10E-02	-7.12E-04	-1.94E-02	5.42E-02	1.75E-22
Shapiro-Wilk score	8.326E-01	9.930E-01	9.914E-01	9.970E-01	9.951E-01	9.930E-01	9.922E-01	9.949E-01	9.707E-01	9.987E-01	9.975E-01	8.349E-01
(Glycerol synthesis)												
Local	0.00E+00	0.00E+00	2.79E-01	8.97E-15	-6.51E-15	6.70E-02	3.48E-01	9.89E-02	7.89E-03	-7.27E-02	1.24E-01	1.03E-17
Min	-2.44E-15	-2.00E-15	1.71E-01	-1.49E-13	-1.09E-13	4.27E-02	2.47E-01	6.23E-02	4.37E-03	-9.36E-02	9.33E-02	-5.75E-17
Max	2.11E-15	2.03E-15	3.91E-01	1.50E-13	8.56E-14	9.93E-02	4.37E-01	1.39E-01	1.32E-02	-4.47E-02	1.60E-01	6.68E-16
Normalized peak height	9.22E-01	9.28E-01	3.45E-03	7.14E-03	1.70E-02	3.41E-03	3.88E-03	3.70E-03	3.55E-03	4.73E-03	3.14E-03	3.41E-01
Peak sensitivity value	-9.55E-19	5.29E-19	2.77E-01	-2.69E-17	-2.51E-17	6.51E-02	3.55E-01	9.84E-02	7.25E-03	-7.16E-02	1.26E-01	2.00E-19
Shapiro-Wilk score	2.914E-01	2.859E-01	9.996E-01	9.978E-01	9.971E-01	9.981E-01	9.993E-01	9.996E-01	9.903E-01	9.988E-01	9.977E-01	7.924E-01
(Glycerol out)												
Local	0.00E+00	0.00E+00	2.79E-01	9.24E-15	-6.55E-15	6.70E-02	3.48E-01	9.89E-02	7.89E-03	-7.27E-02	1.24E-01	1.03E-17
Min	-1.98E-15	-2.13E-15	1.67E-01	-1.35E-13	-8.50E-14	4.33E-02	2.60E-01	6.45E-02	4.35E-03	-9.38E-02	9.11E-02	-6.13E-17
Max	2.46E-15	2.27E-15	4.01E-01	1.29E-13	1.09E-13	9.84E-02	4.33E-01	1.38E-01	1.33E-02	-4.24E-02	1.62E-01	6.94E-16
Normalized peak height	9.24E-01	9.29E-01	3.51E-03	6.73E-03	9.79E-03	3.73E-03	3.40E-03	3.46E-03	3.40E-03	5.09E-03	3.31E-03	3.45E-01
Peak sensitivity value	1.52E-18	-5.58E-19	2.89E-01	5.37E-17	-1.87E-16	6.85E-02	3.56E-01	9.85E-02	7.44E-03	-7.15E-02	1.27E-01	2.73E-19
Shapiro-Wilk score	2.869E-01	2.811E-01	9.996E-01	9.969E-01	9.963E-01	9.981E-01	9.993E-01	9.996E-01	9.899E-01	9.989E-01	9.978E-01	7.868E-01
(Glycerol flow)												
Local	0.00E+00	0.00E+00	2.79E-01	9.72E-15	-6.66E-15	6.70E-02	3.48E-01	9.89E-02	7.89E-03	-7.27E-02	1.24E-01	1.03E-17
Min	-2.20E-15	-2.19E-15	1.72E-01	-1.87E-13	-9.99E-14	4.00E-02	2.54E-01	6.44E-02	4.35E-03	-9.43E-02	8.96E-02	-5.60E-17
Max	2.47E-15	1.91E-15	3.93E-01	1.62E-13	1.14E-13	9.65E-02	4.35E-01	1.37E-01	1.30E-02	-4.73E-02	1.64E-01	1.48E-15
Normalized peak height	9.22E-01	9.27E-01	3.44E-03	8.18E-03	1.27E-02	3.71E-03	3.73E-03	3.84E-03	3.33E-03	4.60E-03	3.53E-03	3.44E-01
Peak sensitivity value	-9.66E-19	4.47E-19	2.84E-01	1.17E-16	-6.89E-18	6.76E-02	3.61E-01	1.01E-01	7.28E-03	-7.19E-02	1.23E-01	-1.60E-20
Shapiro-Wilk score	2.911E-01	2.905E-01	9.996E-01	9.972E-01	9.965E-01	9.977E-01	9.994E-01	9.995E-01	9.902E-01	9.987E-01	9.977E-01	6.934E-01
(Acetaldehyde out)												
Local	0.00E+00	0.00E+00	2.79E-01	-5.24E-15	8.08E-15	6.70E-02	3.48E-01	9.89E-02	7.89E-03	-7.27E-02	1.24E-01	1.03E-17
Min	-1.73E-15	-1.48E-15	1.73E-01	-8.74E-14	-5.44E-14	4.26E-02	2.56E-01	6.15E-02	4.37E-03	-9.53E-02	9.35E-02	-5.58E-17
Max	1.72E-15	1.47E-15	3.90E-01	7.21E-14	5.63E-14	9.83E-02	4.41E-01	1.41E-01	1.33E-02	-4.53E-02	1.61E-01	6.95E-16
Normalized peak height	9.25E-01	9.31E-01	3.36E-03	5.22E-03	8.81E-03	3.53E-03	3.76E-03	3.78E-03	3.47E-03	5.14E-03	3.15E-03	3.43E-01
Peak sensitivity value	-8.67E-19	3.28E-19	2.78E-01	-7.38E-17	4.85E-17	6.55E-02	3.46E-01	9.80E-02	7.26E-03	-7.19E-02	1.24E-01	1.58E-19
Shapiro-Wilk score	2.870E-01	2.815E-01	9.995E-01	9.976E-01	9.965E-01	9.977E-01	9.994E-01	9.997E-01	9.909E-01	9.987E-01	9.975E-01	7.826E-01
(Acetaldehyde flow)												
Local	0.00E+00	0.00E+00	2.84E-01	-5.10E-15	7.94E-15	6.82E-02	5.75E-01	-1.21E-01	-9.62E-03	-7.39E-02	1.27E-01	1.05E-17
Min	-1.88E-15	-1.75E-15	1.67E-01	-8.74E-14	-5.14E-14	4.30E-02	4.72E-01	-1.56E-01	-2.07E-02	-9.69E-02	9.59E-02	-3.03E-16
Max	1.79E-15	1.65E-15	4.06E-01	7.99E-14	6.60E-14	9.77E-02	6.85E-01	-9.09E-02	-4.01E-03	-4.83E-02	1.62E-01	4.00E-16
Normalized peak height	9.24E-01	9.31E-01	3.67E-03	6.37E-03	1.48E-02	3.74E-03	4.00E-03	3.35E-03	4.00E-03	4.63E-03	3.11E-03	3.45E-01
Peak sensitivity value	-7.31E-19	-1.04E-18	2.89E-01	3.22E-17	-4.06E-18	6.82E-02	5.82E-01	-1.22E-01	-8.43E-03	-7.48E-02	1.29E-01	-5.32E-20
Shapiro-Wilk score	2.857E-01	2.812E-01	9.995E-01	9.975E-01	9.968E-01	9.978E-01	9.982E-01	9.984E-01	9.731E-01	9.987E-01	9.979E-01	8.848E-01
(Cyanide-Acetaldehyde flow)												
Local	0.00E+00	0.00E+00	2.63E-01	-4.73E-15	7.34E-15	6.31E-02	-3.93E-01	8.14E-01	6.50E-02	-6.85E-02	1.17E-01	9.70E-18
Min	-2.30E-15	-1.36E-15	1.63E-01	-6.73E-14	-4.92E-14	3.92E-02	-4.77E-01	7.54E-01	3.68E-02	-8.68E-02	8.75E-02	-9.88E-17
Max	1.77E-15	1.56E-15	3.67E-01	8.87E-14	5.81E-14	9.52E-02	-3.05E-01	8.65E-01	1.09E-01	-4.44E-02	1.54E-01	1.91E-15
Normalized peak height	9.23E-01	9.30E-01	3.36E-03	6.64E-03	1.32E-02	3.48E-03	3.63E-03	3.30E-03	3.70E-03	4.49E-03	3.48E-03	3.42E-01
Peak sensitivity value	-1.25E-19	8.98E-19	2.61E-01	-1.21E-17	2.87E-17	6.46E-02	-3.82E-01	8.21E-01	5.86E-02	-6.69E-02	1.14E-01	7.11E-19
Shapiro-Wilk score	2.938E-01	2.832E-01	9.994E-01	9.974E-01	9.969E-01	9.978E-01	9.995E-01	9.947E-01	9.825E-01	9.990E-01	9.982E-01	6.513E-01
(Cyanide flow)												
Local	0.00E+00	0.00E+00	2.63E-01	-4.59E-15	7.47E-15	6.31E-02	-3.93E-01	8.14E-01	6.50E-02	-6.85E-02	1.17E-01	9.70E-18
Min	-1.67E-15	-1.70E-15	1.62E-01	-6.45E-14	-5.41E-14	3.95E-02	-4.78E-01	7.48E-01	3.63E-02	-8.79E-02	8.80E-02	-5.03E-17
Max	1.54E-15	1.31E-15	3.69E-01	8.19E-14	4.83E-14	9.62E-02	-3.09E-01	8.69E-01	1.14E-01	-4.33E-02	1.52E-01	3.71E-16
Normalized peak height	9.22E-01	9.29E-01	3.37E-03	6.83E-03	9.19E-03	3.71E-03	3.64E-03	3.62E-03	3.62E-03	4.68E-03	3.22E-03	3.46E-01
Peak sensitivity value	-1.59E-18	-4.77E-19	2.59E-01	-2.02E-17	-4.90E-17	6.23E-02	-3.87E-01	8.17E-01	5.71E-02	-6.85E-02	1.18E-01	1.11E-19
Shapiro-Wilk score	2.926E-01	2.878E-01	9.996E-01	9.967E-01	9.940E-01	9.979E-01	9.996E-01	9.948E-01	9.815E-01	9.990E-01	9.980E-01	8.813E-01
(Storage)												
Local	0.00E+00	0.00E+00	-3.37E-02	-2.74E-15	-1.38E-16	-8.11E-03	-4.21E-02	-1.20E-02	-9.55E-04	1.62E-02	-9.65E-02	-1.73E-18
Min	-1.34E-15	-1.26E-15	-5.66E-02	-4.05E-14	-2.43E-14	-1.26E-02	-5.82E-02	-1.60E-02	-2.16E-03	8.71E-03	-1.34E-01	-1.07E-16
Max	1.23E-15	1.20E-15	-1.89E-02	3.74E-14	2.93E-14	-5.07E-03	-2.95E-02	-8.60E-03	-4.00E-04	2.93E-02	-7.12E-02	1.36E-17
Normalized peak height	9.25E-01	9.33E-01	3.77E-03	5.54E-03	5.49E-03	3.21E-03	2.74E-03	2.83E-03	3.61E-03	4.21E-03	3.43E-03	3.43E-01
Peak sensitivity value	-1.30E-19	-4.48E-19	-3.18E-02	3.57E-16	2.13E-16	-7.63E-03	-4.20E-02	-1.14E-02	-8.92E-04	1.67E-02	-9.79E-02	-2.04E-20
Shapiro-Wilk score	2.846E-01	2.733E-01	9.920E-01	9.983E-01	9.975E-01	9.921E-01	9.916E-01	9.950E-01	9.710E-01	9.975E-01	9.974E-01	8.308E-01
(ATP consumption)												
Local	0.00E+00	0.00E+00	-1.64E-02	-1.37E-15	-6.97E-17	-3.93E-03	-2.04E-02	-5.81E-03	-4.63E-04	-2.32E-01	9.53E-01	2.55E-17
Min	-6.47E-16	-5.69E-16	-3.32E-02	-2.11E-14	-1.89E-14	-9.04E-03	-4.22E-02	-1.15E-02	-1.31E-03	-3.09E-01	9.31E-01	-1.28E-16
Max	6.64E-16	6.41E-16	-8.36E-03	2.08E-14	1.39E-14	-2.01E-03	-1.19E-02	-3.45E-03	-1.58E-04	-1.92E-01	9.64E-01	1.32E-15
Normalized peak height	9.22E-01	9.32E-01	3.96E-03	5.89E-03	7.37E-03	4.90E-03	4.30E-03	4.27E-03	4.59E-03	4.07E-03	3.51E-03	3.48E-01
Peak sensitivity value	2.73E-20	4.91E-19	-1.54E-02	-8.69E-16	3.18E-17	-3.64E-03	-1.98E-02	-5.56E-03	-3.89E-04	-2.27E-01	9.54E-01	-5.82E-20
Shapiro-Wilk score	2.870E-01	2.803E-01	9.713E-01	9.954E-01	9.932E-01	9.744E-01	9.716E-01	9.775E-01	9.469E-01	9.922E-01	9.891E-01	8.697E-01

(Adenylate kinase)																								
Local	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF
Min	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF
Max	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF
Normalized peak height	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Peak sensitivity value	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN
Shapiro-Wilk score	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table S27: Flux control coefficients for *Saccharomyces cerevisiae* model with parameter variation of ±20%

	(GluceseMixedflowtoextracellularmedium)	(Glucoseuptake)	(Hexokinase)	(Phosphoglucoisomerase)	(Phosphofructokinase)	(Aldolase)	(Triosephosphateisomerase)	(Glyceraldehyde3-phosphatedehydrogenase)	(Phosphoenolpyruvatesynthesis)	(Pyruvatekinase)	(Pyruvatedecarboxylase)	(Alcoholdehydrogenase)	(Ethanolout)	(Ethanolflow)	(Glycerolsynthesis)	(Glycerolout)	(Glycerolflow)	(Acetaldehydeout)	(Acetaldehydeflow)	(Cyanide-Acetaldehydeflow)	(Cyanideflow)	(Storage)	(ATPconsumption)	(Adenylatekinase)
(Glucose Mixed flow to extracellular medium)																								
Local	1.25E-02	5.36E-03	9.73E-01	1.37E-03	1.65E-02	-3.45E-17	2.30E-04	5.02E-04	4.31E-05	1.30E-04	-8.14E-17	4.60E-03	0.00E+00	0.00E+00	-7.83E-04	-6.35E-17	-5.80E-18	-1.88E-04	-9.78E-04	-2.78E-04	-2.22E-05	-9.81E-03	-2.24E-03	1.36E-18
Min	1.03E-03	6.38E-04	5.19E-02	4.99E-04	5.11E-03	-1.19E-15	-4.50E-04	-1.08E-03	-1.32E-04	-4.84E-04	-1.22E-15	-1.26E-02	-2.59E-16	-7.96E-16	-1.04E-02	-4.28E-15	-4.50E-15	-2.68E-03	-1.04E-02	-2.75E-03	-4.63E-04	-3.22E-02	-1.53E-02	-2.65E-17
Max	8.82E-01	1.98E-01	9.99E-01	7.82E-03	2.53E-01	1.48E-15	3.07E-03	7.35E-03	5.69E-04	1.53E-03	1.21E-15	7.45E-02	2.22E-16	8.89E-16	1.97E-03	9.52E-15	2.38E-15	3.64E-04	2.05E-03	7.64E-04	6.49E-05	9.47E-02	4.31E-03	5.04E-17
Normalized peak height	8.01E-02	3.48E-02	3.27E-02	8.25E-03	1.87E-02	9.45E-02	1.83E-02	1.87E-02	1.91E-02	1.74E-02	4.47E-02	2.14E-02	6.42E-01	7.09E-01	1.89E-02	4.75E-02	3.63E-02	1.86E-02	1.62E-02	1.63E-02	2.33E-02	1.94E-02	1.28E-02	3.15E-01
Peak sensitivity value	3.23E-03	2.32E-03	9.89E-01	1.12E-03	1.19E-02	-6.00E-19	1.79E-04	4.02E-04	3.25E-05	8.96E-05	-9.12E-19	2.97E-03	-8.48E-20	1.02E-19	-6.21E-04	3.57E-18	1.64E-18	-1.48E-04	-7.15E-04	-2.10E-04	-1.25E-05	-9.93E-03	-2.24E-03	1.05E-20
Shapiro-Wilk score	3.603E-01	5.420E-01	4.312E-01	8.688E-01	6.516E-01	7.950E-01	7.928E-01	7.709E-01	7.754E-01	8.184E-01	8.838E-01	6.996E-01	5.042E-01	1.600E-01	7.779E-01	8.335E-01	8.271E-01	7.909E-01	7.863E-01	8.197E-01	7.009E-01	6.533E-01	8.922E-01	9.042E-01
(Glucose uptake)																								
Local	1.25E-02	5.36E-03	9.73E-01	1.37E-03	1.65E-02	-2.20E-17	2.30E-04	5.02E-04	4.31E-05	1.30E-04	-8.36E-17	4.60E-03	0.00E+00	0.00E+00	-7.83E-04	-6.57E-17	-3.32E-18	-1.88E-04	-9.78E-04	-2.78E-04	-2.22E-05	-9.81E-03	-2.24E-03	1.36E-18
Min	1.09E-03	5.54E-04	4.33E-02	4.74E-04	5.24E-03	-9.11E-16	-5.12E-04	-1.29E-03	-9.74E-05	-2.98E-04	-1.25E-15	-1.17E-02	-3.59E-16	-1.40E-15	-1.02E-02	-4.91E-15	-4.08E-15	-1.98E-03	-9.89E-03	-2.71E-03	-6.12E-04	-3.31E-02	-1.17E-02	-2.94E-17
Max	9.08E-01	2.12E-01	9.98E-01	7.50E-03	2.59E-01	7.31E-16	3.36E-03	6.80E-03	4.52E-04	1.04E-03	1.14E-15	6.87E-02	4.70E-16	6.09E-16	1.96E-03	4.04E-15	2.80E-15	5.29E-04	1.99E-03	6.37E-04	7.98E-05	1.01E-01	4.29E-03	6.45E-17
Normalized peak height	8.61E-02	3.79E-02	3.36E-02	8.09E-03	1.96E-02	3.58E-02	1.98E-02	1.91E-02	1.45E-02	1.22E-02	2.87E-02	2.00E-02	6.55E-01	7.13E-01	1.85E-02	3.10E-02	3.65E-02	1.51E-02	1.55E-02	1.57E-02	2.95E-02	2.06E-02	1.12E-02	3.14E-01
Peak sensitivity value	3.36E-03	2.56E-03	9.89E-01	1.15E-03	1.27E-02	-1.50E-19	1.71E-04	3.58E-04	2.91E-05	8.77E-05	-8.88E-19	2.84E-03	-3.93E-19	-1.35E-19	-5.68E-04	-2.98E-19	-3.94E-18	-1.47E-04	-8.28E-04	-2.24E-04	-1.25E-05	-9.36E-03	-2.07E-03	2.37E-20
Shapiro-Wilk score	3.615E-01	5.435E-01	4.333E-01	8.771E-01	6.678E-01	9.545E-01	7.930E-01	7.876E-01	7.978E-01	8.349E-01	9.059E-01	7.225E-01	4.503E-01	1.328E-01	7.938E-01	8.659E-01	8.459E-01	8.141E-01	8.015E-01	8.267E-01	7.001E-01	6.599E-01	9.022E-01	9.171E-01
(Hexokinase)																								
Local	1.25E-02	5.36E-03	9.73E-01	1.37E-03	1.65E-02	-4.14E-17	2.30E-04	5.02E-04	4.31E-05	1.30E-04	-1.06E-16	4.60E-03	0.00E+00	0.00E+00	-7.83E-04	-6.57E-17	-3.32E-18	-1.88E-04	-9.78E-04	-2.78E-04	-2.22E-05	-9.81E-03	-2.24E-03	1.36E-18
Min	1.15E-03	6.21E-04	5.07E-02	4.48E-04	4.63E-03	-8.79E-16	-4.67E-04	-9.75E-04	-9.25E-05	-2.92E-04	-2.84E-15	-1.32E-02	-2.83E-16	-1.07E-15	-7.85E-03	-3.50E-15	-2.64E-15	-2.43E-03	-8.74E-03	-2.43E-03	-3.97E-04	-3.30E-02	-1.29E-02	-5.28E-17
Max	9.02E-01	2.09E-01	9.99E-01	7.48E-03	2.11E-01	1.58E-15	2.04E-03	5.24E-03	5.53E-04	1.34E-03	1.12E-15	6.39E-02	2.42E-16	7.94E-16	1.53E-03	3.91E-15	3.14E-15	3.35E-04	1.92E-03	5.45E-04	7.83E-05	1.06E-01	4.59E-03	6.17E-17
Normalized peak height	8.61E-02	3.74E-02	3.40E-02	7.81E-03	1.61E-02	8.31E-02	1.31E-02	1.57E-02	1.69E-02	1.45E-02	3.50E-02	1.94E-02	6.49E-01	7.10E-01	1.43E-02	2.41E-02	3.07E-02	1.67E-02	1.43E-02	1.38E-02	2.11E-02	2.15E-02	1.17E-02	3.14E-01
Peak sensitivity value	3.41E-03	2.39E-03	9.88E-01	1.24E-03	1.26E-02	-3.94E-19	1.70E-04	3.59E-04	3.18E-05	9.17E-05	8.19E-19	2.92E-03	-1.14E-19	-4.92E-19	-6.12E-04	-2.80E-18	-2.88E-18	-1.58E-04	-7.71E-04	-2.31E-04	-1.18E-05	-9.40E-03	-2.00E-03	5.16E-20
Shapiro-Wilk score	3.646E-01	5.548E-01	4.360E-01	8.778E-01	6.701E-01	8.037E-01	8.019E-01	7.911E-01	7.882E-01	8.275E-01	8.858E-01	7.168E-01	4.679E-01	1.658E-01	7.987E-01	8.691E-01	8.506E-01	8.064E-01	7.992E-01	8.222E-01	6.978E-01	6.656E-01	9.021E-01	8.835E-01
(Phosphoglucoisomerase)																								
Local	1.27E-02	5.48E-03	9.94E-01	3.42E-03	4.14E-02	4.62E-16	-6.63E-03	-1.45E-02	-1.24E-03	-3.75E-03	2.63E-15	-1.33E-01	0.00E+00	0.00E+00	2.26E-02	1.83E-15	9.24E-17	5.43E-03	2.82E-02	8.02E-03	6.39E-04	-2.82E-02	6.46E-02	3.55E-18
Min	1.10E-03	5.73E-04	5.82E-02	1.71E-03	1.84E-02	-1.02E-14	-1.51E-02	-3.55E-02	-3.01E-03	-1.21E-02	-1.91E-14	-2.98E-01	-5.64E-15	-2.44E-14	7.09E-03	-3.78E-14	-2.61E-14	2.14E-03	1.50E-02	4.16E-03	1.20E-04	-6.00E-02	2.32E-02	-1.28E-16
Max	9.80E-01	1.70E-01	1.14E+00	1.08E-02	3.66E-01	9.26E-15	-1.82E-03	-4.92E-03	-3.75E-04	-7.54E-04	3.61E-14	-5.12E-02	1.12E-14	3.37E-14	5.15E-02	4.83E-14	3.35E-14	1.12E-02	4.73E-02	1.34E-02	2.41E-03	6.70E-02	1.05E-01	1.60E-16
Normalized peak height	8.89E-02	2.87E-02	1.43E-02	5.81E-03	1.40E-02	5.49E-02	3.59E-03	4.26E-03	3.86E-03	4.66E-03	4.20E-02	3.41E-03	6.53E-01	7.17E-01	4.12E-03	8.73E-03	1.01E-02	3.38E-03	3.13E-03	3.49E-03	4.47E-03	1.16E-02	3.53E-03	3.13E-01
Peak sensitivity value	3.55E-03	2.70E-03	9.74E-01	3.19E-03	3.35E-02	-8.86E-18	-5.54E-03	-1.37E-02	-1.02E-03	-2.67E-03	6.48E-18	-1.06E-01	-1.76E-18	2.00E-17	1.97E-02	5.50E-16	5.90E-19	5.26E-03	7.69E-02	7.46E-03	5.04E-04	-2.88E-02	6.67E-02	1.32E-20
Shapiro-Wilk score	3.594E-01	5.462E-01	5.088E-01	9.358E-01	7.001E-01	9.879E-01	9.781E-01	9.872E-01	9.739E-01	9.547E-01	9.711E-01	9.563E-01	5.545E-01	1.512E-01	9.838E-01	9.809E-01	9.707E-01	9.835E-01	9.917E-01	9.916E-01	9.310E-01	8.023E-01	9.991E-01	8.619E-01
(Phosphofructokinase)																								
Local	1.27E-02	5.48E-03	9.94E-01	3.42E-03	4.14E-02	1.39E-15	-6.63E-03	-1.45E-02	-1.24E-03	-3.75E-03	3.85E-15	-1.33E-01	0.00E+00	0.00E+00	2.26E-02	2.02E-15	1.13E-16	5.43E-03	2.82E-02	8.02E-03	6.39E-04	-2.82E-02	6.46E-02	3.55E-18
Min	1.06E-03	5.82E-04	4.86E-02	1.67E-03	1.81E-02	-8.69E-15	-1.53E-02	-3.04E-02	-3.12E-03	-1.29E-02	-3.05E-14	-3.00E-01	-4.99E-15	-2.75E-14	7.35E-03	-4.00E-14	-2.80E-14	1.94E-03	1.49E-02	4.00E-03	9.95E-05	-6.50E-02	2.52E-02	-7.33E-17
Max	9.67E-01	1.88E-01	1.14E+00	1.10E-02	4.23E-01	6.96E-15	-1.67E-03	-4.71E-03	-3.84E-04	-7.56E-04	3.02E-14	-4.89E-02	8.71E-15	3.69E-14	4.74E-02	3.53E-14	2.67E-14	1.14E-02	4.57E-02	1.36E-02	2.45E-03	7.81E-02	1.05E-01	1.46E-16
Normalized peak height	8.75E-02	3.25E-02	1.44E-02	5.81E-03	1.60E-02	1.96E-02	3.81E-03	3.73E-03	4.08E-03	4.88E-03	1.77E-02	3.12E-03	6.44E-01	7.13E-01	3.64E-03	7.81E-03	9.83E-03	3.45E-03	3.03E-03	3.71E-03	4.61E-03	1.30E-02	3.58E-03	3.15E-01
Peak sensitivity value	3.47E-03	2.36E-03	9.73E-01	3.15E-03	3.24E-02	3.52E-18	-6.02E-03	-1.28E-02	-1.10E-03	-3.24E-03	2.78E-18	-1.02E-01	-6.68E-18	-2.60E-17	1.95E-02	4.87E-16	-3.65E-17	5.06E-03	2.77E-02	7.47E-03	4.42E-04	-2.96E-02	6.73E-02	-8.76E-20
Shapiro-Wilk score	3.578E-01	5.460E-01	5.072E-01	9.356E-01	6.985E-01	9.667E-01	9.785E-01	9.888E-01	9.745E-01	9.549E-01	9.515E-01	9.567E-01	5.625E-01	1.398E-01	9.856E-01	9.795E-01	9.706E-01	9.825E-01	9.924E-01	9.924E-01	9.296E-01	7.998E-01	9.993E-01	9.001E-01
(Aldolase)																								
Local	1.27E-02	5.48E-03	9.94E-01	3.42E-03	4.14E-02	1.11E-15	-6.63E-03	-1.45E-02	-1.24E-03	-3.75E-03	-1.02E-14	-1.33E-01	0.00E+00	0.00E+00	2.26E-02	3.98E-16	1.24E-16	5.43E-03	2.82E-02	8.02E-03	6.39E-04	-2.82E-02	6.46E-02	3.55E-18
Min	1.09E-03	5.67E-04	4.48E-02	1.66E-03	1.93E-02	-9.33E-15	-1.56E-02	-3.04E-02	-3.41E-03	-1.29E-02	-6.95E-14	-2.93E-01	-5.66E-15	-2.99E-14	7.57E-03	-5.04E-14	-2.68E-14	2.15E-03	1.45E-02	3.96E-03	9.19E-05	-6.08E-02	2.07E-02	-8.22E-17
Max	9.51E-01	2.15E-01	1.13E+00	1.14E-02	4.10E-01	9.77E-15	-1.85E-03	-4.30E-03	-4.14E-04	-7.11E-04	8.22E-14	-5.03E-02	8.79E-15	1.67E-14	4.66E-02	4.96E-14	3.34E-14	1.14E-02	4.40E-02	1.38E-02	2.44E-03	8.84E-02	1.04E-01	2.74E-16
Normalized peak height	8.58E-02	3.74E-02	1.45E-02	5.80E-03	1.55E-02	5.94E-02	3.79E-03	3.64E-03	4.80E-03	5.01E-03	2.99E-02	3.29E-03	6.45E-01	6.89E-01	3.62E-03	1.06E-02	1.01E-02	3.58E-03	2.77E-03	3.54E-03	4.61E-03	1.38E-02	3.58E-03	3.16E-01
Peak sensitivity value	3.46E-03	2.61E-03	9.69E-01	2.98E-03	3.35E-02	-2.27E-16	-5.54E-03	-1.38E-02	-1.05E-03	-2.84E-03	5.04E-17	-9.56E-02	6.25E-20	-1.75E-17	2.11E-02	-7.30E-16	6.63E-17	5.24E-03	2.73E-02	7.43E-03	4.48E-04	-2.91E-02	6.70E-02	-1.20E-19
Shapiro-Wilk score	3.636E-01	5.425E-01	5.068E-01	9.351E-01	7.019E-01	9.835E-01	9.790E-01	9.885E-01	9.733E-01	9.531E-01	9.810E-01	9.557E-01	5.916E-01	1.597E-01	9.850E-01	9.813E-01	9.706E-01	9.833E-01	9.921E-01	9.924E-01	9.313E-01	7.922E-01	9.991E-01	8.633E-01
(Triosephosphate isomerase)																								
Local	1.01E-02	5.37E-03	7.92E-01	2.32E-03	2.81E-02	-1.03E-15	9.18E-03	2.01E-02	1.72E-03	5.20E-03	-5.10E-15	1.84E-01	0.00E+00	0.00E+00	-3.13E-02	-1.10E-17	1.39E-15	-7.52E-03	-3.91E-02	-1.11E-02	-8.85E-04	-1.89E-02	5.21E-02	2.13E-18
Min	8.70E-04	4.97E-04	3.33E-02	9.79E-04	1.02E-02	-2.69E-15	2.63E-03	6.46E-03	4.24E-04	9.31E-04	-2.78E-14	6.19E-02	-4.03E-15	-6.28E-15	-8.00E-02	-1.12E-14	-1.35E-14	-1.75E-02	-7.10E-02	-1.97E-02	-3.94E-03	-4.30E-02	1.29E-02	-3.39E-17
Max	7.41E-01	1.66E-01	9.05E-01	6.72E-03	2.44E-01	2.87E-15	2.48E-02	5.41E-02	5.15E-03	1.77E-02	3.07E-14	5.09E-01	3.60E-15	7.88E-15	-1.03E-02	9.97E-15	7.78E-15	-2.79E-03	-1.76E-02	-5.56E-03	-1.49E-04	7.58E-02	9.18E-02	9.47E-17
Normalized peak height	8.23E-02	3.60E-02	7.27E-03	5.17E-03	1.30E-02	7.17E-03	4.48E-03	4.32E-03	4.44E-03	4.61E-03	3.13E-02	3.79E-03	6.66E-01	7.22E-01	4.06E-03	7.58E-03	1.77E-02	3.48E-03	3.06E-03	3.06E-03	4.99E-03	1.05E-02	3.31E-03	3.17E-01
Peak sensitivity value	2.72E-03	2.07E-03	8.23E-01	2.18E-03	2.46E-02	-5.39E-19	7.33E-03	1.78E-02	1.44E-03	4.18E-03	1.28E-17	1.45E-01	2.59E-18	1.05E-18	-2.73E-02	-3.28E-17	-1.45E-16	-7.26E-03	-3.63E-02	-9.79E-03	-6.89E-04	-1.96E-02	5.36E-02	-1.79E-20
Shapiro-Wilk score	3.665E-01	5.532E-01	6.943E-01	9.597E-01	7.578E-01	9.924E-01	9.715E-01	9.769E-01	9.617E-01	9.449E-01	9.803E-01	9.319E-01	6.485E-01	4.122E-01	9.731E-01	9.859E-01	9.741E-01	9.757E-01	9.816E-01	9.878E-01	9.085E-01	8.710E-01	9.990E-01	9.392E-01
(Glyceraldehyde 3-phosphate dehydrogenase)																								
Local	1.16E-02	4.98E-03	9.03E-01	2.92E-03	3.54E-02	-1.85E-16	5.23E-04	1.14E-03	9.81E-05	2.96E-04	-9.79E-15	1.05E-02	0.00E+00	0.00E+00	-1.78E-03	7.65E-16	6.61E-16	-4.28E-04	-2.23E-03	-6.32E-04	-5.04E-05	-2.40E-02	5.89E-02	2.91E-18
Min	1.05E-03	5.59E-04	3.46E-02	1.55E-03	1.67E-02	-6.06E-15	-1.87E-04	-3.92E-04	-3.55E-05	-9.12E-05	-3.59E-14	-3.38E-03	-3.50E-15	-1.83E-14	-1.36E-02	-1.94E-14	-1.44E-14	-2.81E-03	-1.49E-02	-3.23E-03	-6.70E-04	-5.30E-02	2.05E-02	-3.87E-17
Max	8.33E-01	1.86E-01	9.39E-01	8.19E-03	3.29E-01	5.45E-15	4.51E-03	9.26E-03	7.26E-04	1.87E-03	3.83E-14	1.08E-01	3.60E-15	1.71E-14	5.98E-02	2.09E-14	1.44E-14	1.17E-04	7.96E-04	2.18E-04	2.00E-05	7.52E-02	9.57E-02	9.57E-17
Normalized peak height	8.26E-02	3.45E-02	2.21E-02	5.06E-03	1.49E-02	8.70E-03	1.27E-02	1.11E-02	1.03E-02	8.57E-03	1.18E-02	1.31E-02	6.36E-01	6.89E-01	1.09E-02	7.58E-03	8.51E-03	9.23E-03	1.07E-02	8.59E-03	1.39E-02	1.24E-02	3.20E-03	3.16E-01
Peak sensitivity value	3.13E-03	2.14E-03	9.04E-01	2.80E-03	2.94E-02	-2.57E-17	3.98E-04	8.96E-04	8.14E-05	2.17E-04	-2.50E-17	7.26E-03	-5.04E-19	6.34E-18	-1.53E-03	-8.22E-17	4.80E-17	-3.56E-04	-1.84E-03	-5.07E-04	-3.21E-05	-2.52E-02	6.01E-02	6.31E-20
Shapiro-Wilk score	3.645E-01	5.446E-01	4.531E-01	9.414E-01	7.175E-01	9.760E-01	8.455E-01	8.384E-01	8.409E-01	8.792E-01	9.822E-01	7.806E-01	6.830E-01	2.420E-01	8.416E-01	9.839E-01	9.711E-01	8.735E-01	8.554E-01	8.809E-01	7.738E-01	8.021E-01	9.989E-01	9.272E-01

(Phosphoenolpyruvate synthesis)												
Local	1.16E-02	4.98E-03	9.03E-01	2.92E-03	3.54E-02	-2.35E-16	5.23E-04	1.14E-03	9.81E-05	2.96E-04	-4.52E-14	1.05E-02
Min	1.04E-03	5.76E-04	3.77E-02	1.52E-03	1.72E-02	-3.27E-14	-2.16E-04	-4.83E-04	-3.72E-05	-1.79E-04	-3.14E-13	-5.01E-03
Max	8.48E-01	1.68E-01	9.39E-01	8.29E-03	2.98E-01	3.55E-14	4.41E-03	8.80E-03	7.46E-04	1.90E-03	3.18E-13	9.55E-02
Normalized peak height	8.50E-02	3.16E-02	2.19E-02	5.03E-03	1.34E-02	5.56E-03	1.16E-02	1.10E-02	1.04E-02	9.15E-03	1.49E-02	1.16E-02
Peak sensitivity value	3.16E-03	2.33E-03	9.08E-01	2.75E-03	2.86E-02	3.33E-16	4.39E-04	9.69E-04	8.15E-05	2.41E-04	-3.15E-16	7.61E-03
Shapiro-Wilk score	3.631E-01	5.463E-01	4.496E-01	9.443E-01	7.190E-01	9.961E-01	8.551E-01	8.492E-01	8.543E-01	8.852E-01	9.679E-01	7.840E-01
(Pyruvate kinase)												
Local	1.16E-02	4.98E-03	9.03E-01	2.92E-03	3.54E-02	2.24E-15	5.23E-04	1.14E-03	9.81E-05	2.96E-04	5.94E-14	1.05E-02
Min	9.99E-04	5.30E-04	4.39E-02	1.47E-03	1.68E-02	-2.56E-14	-2.60E-04	-4.92E-04	-3.67E-05	-1.14E-04	-3.52E-13	-3.78E-03
Max	8.34E-01	1.76E-01	9.40E-01	1.03E-02	3.55E-01	2.10E-14	4.16E-03	8.82E-03	9.83E-04	2.04E-03	2.51E-13	1.18E-01
Normalized peak height	8.24E-02	3.34E-02	2.20E-02	6.12E-03	1.57E-02	2.54E-02	1.15E-02	1.08E-02	1.37E-02	9.07E-03	1.73E-01	1.42E-02
Peak sensitivity value	3.08E-03	2.37E-03	9.06E-01	2.83E-03	2.92E-02	-5.22E-18	4.23E-04	9.47E-04	8.00E-05	2.25E-04	2.35E-16	7.76E-03
Shapiro-Wilk score	3.601E-01	5.423E-01	4.492E-01	9.410E-01	7.007E-01	9.618E-01	8.444E-01	8.372E-01	8.290E-01	8.747E-01	9.339E-01	7.640E-01
(Pyruvate decarboxylase)												
Local	1.16E-02	4.98E-03	9.03E-01	2.92E-03	3.54E-02	-8.93E-16	5.23E-04	1.14E-03	9.81E-05	2.96E-04	-6.66E-16	1.05E-02
Min	1.02E-03	6.21E-04	4.47E-02	1.55E-03	1.56E-02	-4.79E-15	-8.88E-05	-2.46E-04	-1.99E-05	-6.56E-05	-8.44E-15	-2.75E-03
Max	8.46E-01	1.93E-01	9.40E-01	9.71E-03	3.87E-01	3.83E-15	3.74E-03	9.89E-03	9.10E-04	1.95E-03	1.31E-14	1.25E-01
Normalized peak height	8.49E-02	3.65E-02	2.18E-02	6.02E-03	1.72E-02	2.28E-02	9.63E-03	1.14E-02	1.23E-02	8.33E-03	9.65E-02	1.53E-02
Peak sensitivity value	3.13E-03	2.06E-03	9.07E-01	2.87E-03	2.88E-02	-3.54E-19	4.30E-04	8.33E-04	7.81E-05	2.22E-04	-2.21E-16	7.55E-03
Shapiro-Wilk score	3.604E-01	5.511E-01	4.484E-01	9.433E-01	7.079E-01	9.172E-01	8.496E-01	8.339E-01	8.335E-01	8.786E-01	9.688E-01	7.685E-01
(Alcohol dehydrogenase)												
Local	1.01E-02	4.37E-03	7.92E-01	2.32E-03	2.81E-02	-3.80E-16	9.18E-03	2.01E-02	1.72E-03	5.20E-03	6.30E-16	1.84E-01
Min	8.64E-04	5.70E-04	3.26E-02	9.09E-04	1.04E-02	-2.75E-15	2.63E-03	5.74E-03	4.64E-04	8.29E-04	-6.72E-15	6.31E-02
Max	7.52E-01	1.44E-01	9.01E-01	6.99E-03	2.10E-01	3.51E-15	2.51E-02	4.93E-02	4.79E-03	1.86E-02	6.10E-15	4.86E-01
Normalized peak height	8.36E-02	3.05E-02	7.36E-03	5.47E-03	1.14E-02	1.57E-02	4.19E-03	3.90E-03	4.17E-03	4.74E-03	2.53E-02	3.80E-03
Peak sensitivity value	2.74E-03	2.22E-03	8.44E-01	2.19E-03	2.38E-02	-5.27E-18	7.78E-03	1.68E-02	1.35E-03	3.77E-03	-5.80E-18	1.28E-01
Shapiro-Wilk score	3.626E-01	5.474E-01	6.977E-01	9.583E-01	7.583E-01	9.325E-01	9.693E-01	9.737E-01	9.605E-01	9.452E-01	9.870E-01	9.296E-01
(Ethanol out)												
Local	1.01E-02	4.37E-03	7.92E-01	2.32E-03	2.81E-02	-4.21E-16	9.18E-03	2.01E-02	1.72E-03	5.20E-03	5.13E-16	1.84E-01
Min	8.99E-04	4.98E-04	4.25E-02	7.01E-04	1.03E-02	-2.89E-15	2.66E-03	5.88E-03	4.99E-04	9.73E-04	-6.48E-15	6.41E-02
Max	7.29E-01	1.57E-01	9.02E-01	7.54E-03	2.18E-01	3.32E-15	2.31E-02	5.13E-02	5.77E-03	1.83E-02	8.54E-15	5.01E-01
Normalized peak height	8.06E-02	3.33E-02	7.28E-03	5.82E-03	1.17E-02	1.31E-01	3.78E-03	3.99E-03	4.85E-03	4.58E-03	2.77E-01	3.61E-03
Peak sensitivity value	2.72E-03	1.83E-03	8.41E-01	2.14E-03	2.44E-02	1.61E-18	7.64E-03	1.90E-02	1.49E-03	3.74E-03	3.98E-18	1.30E-01
Shapiro-Wilk score	3.654E-01	5.490E-01	6.983E-01	9.559E-01	7.543E-01	9.385E-01	9.703E-01	9.746E-01	9.617E-01	9.463E-01	9.821E-01	9.310E-01
(Ethanol flow)												
Local	1.01E-02	4.37E-03	7.92E-01	2.32E-03	2.81E-02	-3.81E-16	9.18E-03	2.01E-02	1.72E-03	5.20E-03	-1.74E-16	1.84E-01
Min	9.67E-04	5.62E-04	3.95E-02	1.06E-03	1.07E-02	-2.63E-15	2.39E-03	5.17E-03	4.94E-04	9.47E-04	-7.07E-15	6.54E-02
Max	7.34E-01	1.48E-01	9.06E-01	6.63E-03	2.07E-01	2.51E-15	2.42E-02	4.77E-02	5.05E-03	1.97E-02	5.85E-15	4.94E-01
Normalized peak height	8.43E-02	3.18E-02	7.15E-03	4.95E-03	1.13E-02	2.64E-02	3.91E-03	3.85E-03	4.51E-03	5.16E-03	7.96E-02	3.68E-03
Peak sensitivity value	2.80E-03	1.96E-03	8.39E-01	2.27E-03	2.33E-02	-1.07E-18	6.92E-03	1.72E-02	1.42E-03	3.84E-03	1.13E-18	1.38E-01
Shapiro-Wilk score	3.628E-01	5.459E-01	6.909E-01	9.616E-01	7.629E-01	9.297E-01	9.712E-01	9.756E-01	9.608E-01	9.454E-01	9.826E-01	9.323E-01
(Glycerol synthesis)												
Local	2.51E-02	1.08E-02	1.96E+00	8.63E-03	1.04E-01	8.06E-15	-8.18E-02	-1.79E-01	-1.53E-02	-4.63E-02	1.65E-14	-1.64E+00
Min	1.79E-03	1.05E-03	1.06E-01	3.94E-03	4.25E-02	-6.10E-14	-2.05E-01	-3.18E-01	-3.18E-02	-1.16E-01	-1.16E-13	-2.36E+00
Max	2.14E+00	4.50E-01	2.64E+00	2.54E-02	9.27E-01	5.34E-14	-1.86E-02	-5.87E-02	-5.67E-03	-1.24E-02	1.23E-13	-1.13E+00
Normalized peak height	9.91E-02	3.94E-02	6.03E-03	5.32E-03	1.39E-02	1.26E-02	3.85E-03	3.32E-03	4.12E-03	3.74E-03	2.88E-02	3.24E-03
Peak sensitivity value	7.14E-03	4.42E-03	1.72E+00	7.68E-03	7.47E-02	-7.48E-17	-7.37E-02	-1.84E-01	-1.39E-02	-4.42E-02	-1.16E-16	-1.53E+00
Shapiro-Wilk score	3.593E-01	5.429E-01	8.126E-01	9.507E-01	7.154E-01	9.433E-01	9.886E-01	9.978E-01	9.883E-01	9.748E-01	9.418E-01	9.848E-01
(Glycerol out)												
Local	2.51E-02	1.08E-02	1.96E+00	8.63E-03	1.04E-01	8.12E-15	-8.18E-02	-1.79E-01	-1.53E-02	-4.63E-02	1.55E-14	-1.64E+00
Min	1.94E-03	1.09E-03	1.03E-01	3.97E-03	4.21E-02	-6.15E-14	-1.92E-01	-3.29E-01	-3.12E-02	-1.20E-01	-1.36E-13	-2.45E+00
Max	2.08E+00	5.50E-01	2.72E+00	2.72E-02	1.05E+00	7.25E-14	-1.86E-02	-5.83E-02	-5.31E-03	-1.01E-02	1.77E-13	-1.11E+00
Normalized peak height	9.83E-02	4.84E-02	6.29E-03	5.51E-03	1.65E-02	1.42E-02	3.66E-03	3.30E-03	3.96E-03	4.14E-03	3.86E-02	3.34E-03
Peak sensitivity value	7.14E-03	4.65E-03	1.81E+00	7.54E-03	7.79E-02	2.39E-16	-7.23E-02	-1.75E-01	-1.39E-02	-3.46E-02	5.63E-17	-1.53E+00
Shapiro-Wilk score	3.581E-01	5.365E-01	8.121E-01	9.469E-01	7.081E-01	9.424E-01	9.881E-01	9.971E-01	9.888E-01	9.748E-01	9.323E-01	9.847E-01
(Glycerol flow)												
Local	2.51E-02	1.08E-02	1.96E+00	8.63E-03	1.04E-01	8.14E-15	-8.18E-02	-1.79E-01	-1.53E-02	-4.63E-02	1.49E-14	-1.64E+00
Min	1.75E-03	1.02E-03	1.20E-01	3.88E-03	4.55E-02	-5.51E-14	-1.84E-01	-3.29E-01	-3.03E-02	-1.20E-01	-1.45E-13	-2.41E+00
Max	2.09E+00	3.86E-01	2.71E+00	2.36E-02	1.09E+00	5.33E-14	-1.75E-02	-5.80E-02	-5.13E-03	-9.28E-03	1.34E-13	-1.12E+00
Normalized peak height	9.83E-02	3.54E-02	6.09E-03	5.05E-03	1.69E-02	1.14E-02	3.29E-03	3.41E-03	3.86E-03	4.24E-03	5.17E-02	3.23E-03
Peak sensitivity value	6.96E-03	4.67E-03	1.74E+00	8.10E-03	7.63E-02	3.30E-16	-8.06E-02	-1.82E-01	-1.44E-02	-4.30E-02	-7.33E-17	-1.56E+00
Shapiro-Wilk score	3.624E-01	5.424E-01	8.160E-01	9.503E-01	7.015E-01	9.414E-01	9.887E-01	9.975E-01	9.892E-01	9.753E-01	9.411E-01	9.849E-01
(Acetaldehyde out)												
Local	2.51E-02	1.08E-02	1.96E+00	8.63E-03	1.04E-01	-5.92E-15	-8.18E-02	-1.79E-01	-1.53E-02	-4.63E-02	4.56E-21	-1.64E+00
Min	1.57E-03	9.36E-04	9.96E-02	3.87E-03	4.34E-02	-3.49E-14	-2.03E-01	-3.35E-01	-3.02E-02	-1.18E-01	-1.61E-13	-2.41E+00
Max	2.20E+00	3.50E-01	2.75E+00	2.34E-02	8.87E-01	4.19E-14	-1.89E-02	-5.21E-02	-5.93E-03	-9.35E-03	1.59E-13	-1.12E+00
Normalized peak height	1.02E-01	3.14E-02	6.09E-03	4.98E-03	1.31E-02	4.50E-02	3.74E-03	3.28E-03	3.93E-03	4.20E-03	2.85E-01	3.14E-03
Peak sensitivity value	7.07E-03	4.25E-03	1.78E+00	7.44E-03	8.18E-02	-1.21E-17	-7.34E-02	-1.77E-01	-1.39E-02	-4.30E-02	6.39E-17	-1.53E+00
Shapiro-Wilk score	3.566E-01	5.483E-01	8.143E-01	9.519E-01	7.177E-01	9.295E-01	9.885E-01	9.974E-01	9.890E-01	9.752E-01	9.503E-01	9.844E-01
(Acetaldehyde flow)												
Local	2.55E-02	1.10E-02	1.99E+00	8.78E-03	1.06E-01	-5.73E-15	-8.32E-02	-1.82E-01	-1.56E-02	-4.71E-02	-8.63E-15	-1.67E+00
Min	1.79E-03	1.14E-03	8.60E-02	3.90E-03	4.69E-02	-3.59E-14	-1.82E-01	-3.42E-01	-3.03E-02	-1.17E-01	-1.42E-13	-2.50E+00
Max	2.23E+00	4.50E-01	2.75E+00	2.79E-02	9.67E-01	3.36E-14	-2.09E-02	-6.15E-02	-5.53E-03	-1.16E-02	9.18E-14	-1.13E+00
Normalized peak height	1.02E-01	3.91E-02	5.97E-03	5.67E-03	1.42E-02	1.37E-02	3.13E-03	3.40E-03	3.91E-03	3.93E-03	7.02E-02	3.57E-03
Peak sensitivity value	7.37E-03	4.50E-03	1.84E+00	8.05E-03	8.51E-02	-1.94E-16	-7.69E-02	-1.82E-01	-1.47E-02	-4.06E-02	1.02E-16	-1.53E+00
Shapiro-Wilk score	3.596E-01	5.323E-01	8.266E-01	9.451E-01	7.081E-01	9.249E-01	9.884E-01	9.975E-01	9.882E-01	9.731E-01	9.248E-01	9.836E-01
(Cyanide-Acetaldehyde flow)												
Local	2.36E-02	1.02E-02	1.85E+00	8.13E-03	9.84E-02	-5.30E-15	-7.71E-02	-1.69E-01	-1.45E-02	-4.36E-02	-8.00E-15	-1.54E+00
Min	1.75E-03	1.08E-03	1.04E-01	3.52E-03	4.30E-02	-3.02E-14	-1.86E-01	-3.09E-01	-2.93E-02	-1.15E-01	-1.00E-13	-2.17E+00
Max	1.91E+00	3.40E-01	2.43E+00	2.40E-02	9.23E-01	3.47E-14	-1.49E-02	-5.23E-02	-4.64E-03	-9.11E-03	1.31E-13	-1.05E+00
Normalized peak height	9.43E-02	3.34E-02	6.48E-03	5.43E-03	1.56E-02	1.53E-02	3.65E-03	3.27E-03	4.37E-03	4.16E-03	4.53E-02	3.21E-03
Peak sensitivity value	6.52E-03	4.30E-03	1.71E+00	7.55E-03	7.60E-02	-2.84E-17	-7.06E-02	-1.62E-01	-1.34E-02	-3.95E-02	-8.66E-17	-1.50E+00
Shapiro-Wilk score	3.580E-01	5.391E-01	7.678E-01	9.531E-01	7.246E-01	9.253E-01	9.895E-01	9.973E-01	9.905E-01	9.748E-01	9.225E-01	9.883E-01
(Cyanide flow)												
Local	2.36E-02	1.02E-02	1.85E+00	8.13E-03	9.84E-02	-5.36E-15	-7.71E-02	-1.69E-01	-1.45E-02	-4.36E-02	-7.92E-15	-1.54E+00
Min	1.88E-03	1.15E-03	7.44E-02	3.68E-03	4.38E-02	-3.96E-14	-1.94E-01	-3.05E-01	-2.92E-02	-1.09E-01	-7.90E-14	-2.19E+00
Max	1.96E+00	3.87E-01	2.43E+00	2.11E-02	7.99E-01	4.12E-14	-1.54E-02	-5.67E-02	-4.65E-03	-7.60E-03	8.56E-14	-1.05E+00
Normalized peak height	9.65E-02	3.65E-02	6.95E-03	4.55E-03	1.33E-02	1.76E-02	3.72E-03	3.11E-03	3.97E-03	4.03E-03	7.15E-02	3.50E-03
Peak sensitivity value	6.78E-03	4.05E-03	1.77E+00	6.97E-03	7.51E-02	6.76E-17	-6.98E-02	-1.62E-01	-1.32E-02	-3.83E-02	-7.39E-17	-1.48E+00
Shapiro-Wilk score	3.620E-01	5.443E-01	7.659E-01	9.548E-01	7.207E-01	9.242E-01	9.889E-01	9.974E-01	9.889E-01	9.772E-01	9.291E-01	9.887E-01

(Phosphoenolpyruvate synthesis)												
Local	0.00E+00	0.00E+00	-1.78E-03	-2.42E-15	1.16E-15	-4.28E-04	-2.23E-03	-6.32E-04	-5.04E-05	-2.40E-02	5.89E-02	2.91E-18
Min	-3.04E-14	-2.25E-14	-1.45E-02	-2.86E-14	-1.66E-14	-3.53E-03	-1.37E-02	-3.53E-03	-6.30E-04	-5.07E-02	2.18E-02	-4.14E-17
Max	4.46E-14	2.44E-14	7.99E-04	2.96E-14	1.48E-14	1.88E-04	8.62E-04	2.24E-04	3.20E-05	6.84E-02	9.85E-02	3.20E-16
Normalized peak height	7.39E-01	7.49E-01	1.15E-02	8.06E-03	8.90E-03	1.11E-02	9.45E-03	9.36E-03	1.28E-02	1.15E-02	3.35E-03	3.17E-01
Peak sensitivity value	-5.02E-18	1.45E-17	-1.47E-03	-1.90E-18	4.64E-17	-3.74E-04	-1.92E-03	-6.12E-04	-3.06E-05	-2.43E-02	5.84E-02	2.60E-20
Shapiro-Wilk score	9.791E-02	1.310E-01	8.511E-01	9.788E-01	9.749E-01	8.659E-01	8.548E-01	8.880E-01	7.891E-01	8.076E-01	9.990E-01	8.083E-01
(Pyruvate kinase)												
Local	0.00E+00	0.00E+00	-1.78E-03	4.02E-15	-8.26E-16	-4.28E-04	-2.23E-03	-6.32E-04	-5.04E-05	-2.40E-02	5.89E-02	2.91E-18
Min	-4.31E-14	-1.67E-14	-1.30E-02	-2.36E-14	-1.61E-14	-3.42E-03	-1.92E-02	-4.15E-03	-6.34E-04	-5.24E-02	1.67E-02	-8.06E-17
Max	2.22E-14	1.32E-14	7.37E-04	2.79E-14	1.74E-14	2.17E-04	8.74E-04	2.61E-04	2.27E-05	6.70E-02	9.69E-02	2.09E-16
Normalized peak height	7.31E-01	7.47E-01	1.03E-02	8.84E-03	1.04E-02	1.10E-02	1.33E-02	1.05E-02	1.30E-02	1.15E-02	3.56E-03	3.15E-01
Peak sensitivity value	8.81E-18	1.02E-17	-1.51E-03	-1.49E-16	-5.85E-18	-3.85E-04	-1.90E-03	-5.00E-04	-2.95E-05	-2.48E-02	5.92E-02	5.89E-20
Shapiro-Wilk score	1.325E-01	1.838E-01	8.414E-01	9.764E-01	9.699E-01	8.484E-01	8.373E-01	8.709E-01	7.684E-01	8.033E-01	9.992E-01	8.692E-01
(Pyruvate decarboxylase)												
Local	0.00E+00	0.00E+00	-1.78E-03	-6.65E-16	1.91E-15	-4.28E-04	-2.23E-03	-6.32E-04	-5.04E-05	-2.40E-02	5.89E-02	2.91E-18
Min	-4.21E-15	-1.93E-14	-1.50E-02	-1.80E-14	-1.68E-14	-3.72E-03	-1.72E-02	-3.91E-03	-7.13E-04	-5.19E-02	1.66E-02	-7.03E-17
Max	6.12E-15	1.90E-14	3.96E-04	1.74E-14	2.19E-14	1.21E-04	5.72E-04	1.37E-04	1.53E-05	6.96E-02	1.00E-01	8.78E-17
Normalized peak height	6.65E-01	7.45E-01	1.14E-02	1.06E-02	3.00E-02	1.17E-02	1.15E-02	9.50E-03	1.43E-02	1.18E-02	3.78E-03	3.13E-01
Peak sensitivity value	-2.72E-20	-9.51E-18	-1.59E-03	1.24E-17	-8.45E-18	-3.85E-04	-2.02E-03	-5.54E-04	-2.88E-05	-2.50E-02	5.94E-02	-2.76E-20
Shapiro-Wilk score	6.578E-01	2.142E-01	8.404E-01	9.799E-01	9.642E-01	8.612E-01	8.435E-01	8.745E-01	7.757E-01	8.089E-01	9.990E-01	9.179E-01
(Alcohol dehydrogenase)												
Local	0.00E+00	0.00E+00	-3.13E-02	-1.84E-16	1.26E-15	-7.52E-03	-3.91E-02	-1.11E-02	-8.85E-04	-1.89E-02	5.21E-02	2.13E-18
Min	-2.34E-15	-7.59E-15	-8.50E-02	-7.94E-15	-8.38E-15	-1.78E-02	-7.19E-02	-1.96E-02	-3.77E-03	-4.31E-02	1.37E-02	-2.15E-17
Max	3.01E-15	1.47E-14	-9.13E-03	9.16E-15	1.05E-14	-2.61E-03	-1.85E-02	-5.57E-03	-1.38E-04	6.01E-02	9.20E-02	8.13E-17
Normalized peak height	6.63E-01	7.29E-01	4.36E-03	6.86E-03	1.58E-02	3.59E-03	2.91E-03	3.12E-03	4.53E-03	9.84E-03	3.29E-03	3.16E-01
Peak sensitivity value	1.54E-18	1.02E-17	-3.12E-02	4.27E-19	1.38E-17	-6.43E-03	-3.32E-02	-1.05E-02	-5.72E-04	-2.10E-02	5.15E-02	1.03E-21
Shapiro-Wilk score	6.719E-01	2.871E-01	9.695E-01	9.835E-01	9.736E-01	9.752E-01	9.807E-01	9.875E-01	9.067E-01	8.668E-01	9.989E-01	9.108E-01
(Ethanol out)												
Local	2.37E-16	-8.88E-16	-3.13E-02	-1.07E-16	1.31E-15	-7.52E-03	-3.91E-02	-1.11E-02	-8.85E-04	-1.89E-02	5.21E-02	2.13E-18
Min	-3.33E-15	-1.15E-14	-8.12E-02	-1.10E-14	-8.63E-15	-1.77E-02	-7.33E-02	-2.00E-02	-4.39E-03	-4.42E-02	1.48E-02	-7.35E-17
Max	2.78E-15	7.55E-15	-9.18E-03	1.21E-14	6.91E-15	-2.66E-03	-1.82E-02	-4.86E-03	-1.14E-04	7.07E-02	9.13E-02	1.52E-16
Normalized peak height	7.12E-02	5.02E-01	3.97E-03	9.38E-03	1.69E-02	3.73E-03	3.10E-03	3.25E-03	5.46E-03	1.03E-02	3.10E-03	3.17E-01
Peak sensitivity value	-2.21E-16	-2.88E-18	-2.79E-02	-1.67E-18	-1.49E-18	-6.23E-03	-3.40E-02	-1.00E-02	-6.59E-04	-2.00E-02	5.29E-02	4.76E-20
Shapiro-Wilk score	9.984E-01	8.769E-01	9.708E-01	9.800E-01	9.723E-01	9.743E-01	9.812E-01	9.884E-01	9.076E-01	8.677E-01	9.989E-01	8.755E-01
(Ethanol flow)												
Local	-3.41E-16	-1.11E-15	-3.13E-02	-1.73E-16	1.29E-15	-7.52E-03	-3.91E-02	-1.11E-02	-8.85E-04	-1.89E-02	5.21E-02	2.13E-18
Min	-1.43E-15	-5.77E-15	-8.79E-02	-8.83E-15	-7.48E-15	-1.82E-02	-7.42E-02	-1.96E-02	-3.69E-03	-4.49E-02	1.42E-02	-4.11E-17
Max	2.38E-15	5.44E-15	-9.00E-03	9.64E-15	9.08E-15	-2.60E-03	-1.85E-02	-5.25E-03	-1.49E-04	6.18E-02	9.01E-02	1.78E-16
Normalized peak height	5.38E-01	1.24E-01	4.28E-03	7.09E-03	1.36E-02	3.73E-03	3.18E-03	3.32E-03	4.63E-03	9.37E-03	3.18E-03	3.17E-01
Peak sensitivity value	-1.09E-18	-2.17E-16	-2.66E-02	-7.61E-18	-3.19E-18	-7.21E-03	-3.35E-02	-1.09E-02	-6.07E-04	-1.99E-02	5.18E-02	-5.40E-20
Shapiro-Wilk score	8.960E-01	9.922E-01	9.721E-01	9.816E-01	9.745E-01	9.767E-01	9.818E-01	9.877E-01	9.078E-01	8.623E-01	9.990E-01	8.797E-01
(Glycerol synthesis)												
Local	0.00E+00	0.00E+00	2.79E-01	8.97E-15	-6.51E-15	6.70E-02	3.48E-01	9.89E-02	7.89E-03	-7.27E-02	1.24E-01	1.03E-17
Min	-3.51E-14	-1.90E-13	8.35E-02	-2.06E-13	-2.03E-13	2.33E-02	1.63E-01	3.62E-02	2.16E-03	-1.30E-01	4.08E-02	-2.53E-16
Max	8.86E-14	5.35E-13	4.99E-01	2.08E-13	1.55E-13	1.32E-01	5.12E-01	1.88E-01	1.93E-02	1.52E-01	2.04E-01	8.76E-16
Normalized peak height	6.71E-01	8.14E-01	3.51E-03	1.02E-02	2.41E-02	3.49E-03	3.70E-03	3.53E-03	3.51E-03	1.21E-02	3.84E-03	3.11E-01
Peak sensitivity value	-7.16E-19	-1.81E-16	2.73E-01	-2.02E-16	1.42E-16	6.72E-02	3.59E-01	9.62E-02	6.28E-03	-7.13E-02	1.22E-01	-2.39E-19
Shapiro-Wilk score	1.793E-01	3.199E-02	9.990E-01	9.825E-01	9.747E-01	9.913E-01	9.990E-01	9.974E-01	9.671E-01	8.165E-01	9.972E-01	7.984E-01
(Glycerol out)												
Local	0.00E+00	0.00E+00	2.79E-01	9.24E-15	-6.55E-15	6.70E-02	3.48E-01	9.89E-02	7.89E-03	-7.27E-02	1.24E-01	1.03E-17
Min	-4.91E-14	-3.35E-13	8.01E-02	-2.32E-13	-2.35E-13	2.43E-02	1.38E-01	2.93E-02	2.13E-03	-1.30E-01	4.31E-02	-2.23E-16
Max	4.90E-14	1.43E-13	5.03E-01	2.32E-13	1.62E-13	1.38E-01	5.06E-01	1.88E-01	2.22E-02	2.13E-01	2.05E-01	3.80E-15
Normalized peak height	6.58E-01	7.56E-01	3.24E-03	1.32E-02	2.63E-02	3.58E-03	3.81E-03	3.85E-03	4.21E-03	1.48E-02	3.83E-03	3.15E-01
Peak sensitivity value	-2.65E-17	-2.42E-17	2.87E-01	1.14E-16	1.98E-16	6.17E-02	3.54E-01	9.76E-02	6.85E-03	-7.11E-02	1.15E-01	9.29E-19
Shapiro-Wilk score	1.849E-01	3.280E-02	9.988E-01	9.802E-01	9.714E-01	9.913E-01	9.985E-01	9.975E-01	9.702E-01	8.124E-01	9.975E-01	3.702E-01
(Glycerol flow)												
Local	0.00E+00	0.00E+00	2.79E-01	9.72E-15	-6.66E-15	6.70E-02	3.48E-01	9.89E-02	7.89E-03	-7.27E-02	1.24E-01	1.03E-17
Min	-1.15E-13	-1.21E-12	8.71E-02	-1.90E-13	-2.24E-13	2.24E-02	1.64E-01	3.66E-02	2.49E-03	-1.31E-01	3.71E-02	-1.47E-16
Max	6.22E-14	1.91E-13	4.86E-01	3.26E-13	1.93E-13	1.30E-01	5.20E-01	1.81E-01	2.01E-02	1.27E-01	2.03E-01	5.65E-16
Normalized peak height	6.69E-01	8.97E-01	3.23E-03	1.25E-02	2.90E-02	3.56E-03	3.56E-03	3.39E-03	3.59E-03	1.12E-02	3.95E-03	3.13E-01
Peak sensitivity value	2.63E-18	-2.68E-16	2.79E-01	-1.53E-16	1.87E-16	6.71E-02	3.42E-01	9.70E-02	6.85E-03	-7.22E-02	1.20E-01	-2.76E-19
Shapiro-Wilk score	1.745E-01	1.463E-02	9.989E-01	9.820E-01	9.714E-01	9.910E-01	9.986E-01	9.974E-01	9.682E-01	8.220E-01	9.975E-01	8.986E-01
(Acetaldehyde out)												
Local	0.00E+00	0.00E+00	2.79E-01	-5.24E-15	8.08E-15	6.70E-02	3.48E-01	9.89E-02	7.89E-03	-7.27E-02	1.24E-01	1.03E-17
Min	-4.10E-14	-1.71E-13	8.46E-02	-1.11E-13	-8.71E-14	2.42E-02	1.66E-01	3.68E-02	2.33E-03	-1.32E-01	4.55E-02	-2.52E-16
Max	4.01E-14	1.21E-13	4.83E-01	1.08E-13	9.21E-14	1.35E-01	5.33E-01	1.82E-01	2.03E-02	1.05E-01	2.00E-01	7.98E-16
Normalized peak height	6.67E-01	7.37E-01	3.08E-03	7.70E-03	1.52E-02	3.62E-03	3.74E-03	3.43E-03	3.79E-03	1.04E-02	3.47E-03	3.15E-01
Peak sensitivity value	1.30E-17	5.23E-17	2.75E-01	2.27E-17	8.56E-17	6.24E-02	3.56E-01	1.00E-01	6.05E-03	-6.89E-02	1.22E-01	-4.75E-19
Shapiro-Wilk score	2.123E-01	5.302E-02	9.989E-01	9.884E-01	9.825E-01	9.910E-01	9.989E-01	9.978E-01	9.681E-01	8.281E-01	9.966E-01	8.400E-01
(Acetaldehyde flow)												
Local	0.00E+00	0.00E+00	2.84E-01	-5.10E-15	7.94E-15	6.82E-02	5.75E-01	-1.21E-01	-9.62E-03	-7.39E-02	1.27E-01	1.05E-17
Min	-4.59E-14	-2.07E-13	8.63E-02	-1.02E-13	-7.95E-14	2.72E-02	3.49E-01	-1.93E-01	-3.94E-02	-1.30E-01	5.10E-02	-1.89E-16
Max	4.26E-14	1.72E-13	5.09E-01	1.25E-13	9.76E-14	1.35E-01	7.43E-01	-6.64E-02	-1.54E-03	1.39E-01	2.12E-01	2.18E-15
Normalized peak height	6.66E-01	7.57E-01	3.51E-03	8.76E-03	1.87E-02	3.32E-03	3.74E-03	3.36E-03	5.15E-03	1.19E-02	3.74E-03	3.18E-01
Peak sensitivity value	-8.05E-18	-6.59E-17	2.76E-01	-1.22E-16	-8.11E-17	6.37E-02	5.70E-01	-1.20E-01	-6.71E-03	-7.19E-02	1.19E-01	-4.39E-19
Shapiro-Wilk score	2.877E-01	4.467E-02	9.990E-01	9.882E-01	9.803E-01	9.910E-01	9.948E-01	9.950E-01	9.147E-01	8.104E-01	9.970E-01	6.059E-01
(Cyanide-Acetaldehyde flow)												
Local	0.00E+00	0.00E+00	2.63E-01	-4.73E-15	7.34E-15	6.31E-02	-3.93E-01	8.14E-01	6.50E-02	-6.85E-02	1.17E-01	9.70E-18
Min	-3.00E-14	-1.73E-13	6.71E-02	-1.14E-13	-8.43E-14	2.14E-02	-5.59E-01	6.56E-01	2.13E-02	-1.22E-01	3.49E-02	-2.74E-16
Max	5.00E-14	1.46E-13	4.68E-01	1.06E-13	8.11E-14	1.31E-01	-2.44E-01	9.06E-01	1.89E-01	1.32E-01	1.90E-01	5.99E-16
Normalized peak height	6.65E-01	7.57E-01	3.31E-03	1.02E-02	2.14E-02	3.63E-03	3.38E-03	3.76E-03	4.37E-03	1.18E-02	3.99E-03	3.15E-01
Peak sensitivity value	1.89E-17	-1.23E-16	2.67E-01	2.69E-17	-3.84E-17	6.08E-02	-3.95E-01	8.18E-01	5.83E-02	-6.71E-02	1.12E-01	3.06E-19
Shapiro-Wilk score	2.396E-01	3.994E-02	9.987E-01	9.893E-01	9.804E-01	9.918E-01	9.989E-01	9.861E-01	9.502E-01	8.112E-01	9.982E-01	8.731E-01
(Cyanide flow)												
Local	0.00E+00	0.00E+00	2.63E-01	-4.59E-15	7.47E-15	6.31E-02	-3.93E-01	8.14E-01	6.50E-02	-6.85E-02	1.17E-01	9.70E-18
Min	-1.78E-14	-1.01E-13	7.00E-02	-1.15E-13	-7.98E-14	2.04E-02	-5.72E-01	6.56E-01	2.12E-02	-1.33E-01	3.70E-02	-2.09E-16
Max	2.67E-14	1.99E-13	4.54E-01	1.05E-13	9.59E-14	1.33E-01	-2.40E-01	9.00E-01	1.81E-01	1.30E-01	1.85E-01	5.80E-16
Normalized peak height	6.50E-01	7.36E-01	3.15E-03	9.99E-03	1.50E-02	3.46E-03	3.65E-03	3.71E-03	4.16E-03	1.23E-02	3.51E-03	3.16E-01
Peak sensitivity value	-6.29E-18	1.02E-17	2.52E-01	-1.56E-16	7.82E-17	6.38E-02	-3.97E-01	8.26E-01	5.38E-02	-6.91E-02	1.19E-01	-6.95E-21
Shapiro-Wilk score	3.840E-01	4.908E-02	9.985E-01	9.862E-01	9.760E-01	9.910E-01	9.986E-01	9.866E-01	9.501E-01	8.124E-01	9.983E-01	8.386E-01

	(Storage)	(ATP consumption)	(Adenylate kinase)
Local	1.21E-02	-1.59E-03	-INF
Min	1.15E-03	-1.02E+00	-INF
Max	8.64E-01	5.89E-04	INF
Normalized peak height	8.29E-02	3.68E-01	NA
Peak sensitivity value	3.31E-03	7.59E-05	NAN
Shapiro-Wilk score	3.647E-01	2.700E-01	NA
Local	5.20E-03	-6.83E-04	-INF
Min	6.67E-04	-1.53E-01	-INF
Max	1.81E-01	3.81E-04	INF
Normalized peak height	3.22E-02	1.83E-01	NA
Peak sensitivity value	2.38E-03	-1.56E-04	NAN
Shapiro-Wilk score	5.527E-01	3.513E-01	NA
Local	9.43E-01	-1.24E-01	-INF
Min	4.55E-02	-3.09E+00	-INF
Max	1.09E+00	4.33E-02	INF
Normalized peak height	7.46E-03	1.76E-02	NA
Peak sensitivity value	9.87E-01	-3.99E-02	NAN
Shapiro-Wilk score	6.766E-01	7.035E-01	NA
Local	-1.55E-03	2.57E-02	-INF
Min	-5.16E-03	1.34E-02	-INF
Max	2.46E-03	6.24E-02	INF
Normalized peak height	5.82E-03	4.31E-03	NA
Peak sensitivity value	-1.59E-03	2.34E-02	NAN
Shapiro-Wilk score	9.896E-01	9.607E-01	NA
Local	-1.85E-02	3.11E-01	-INF
Min	-1.63E-01	1.47E-01	-INF
Max	6.45E-02	2.92E+00	INF
Normalized peak height	1.36E-02	1.49E-02	NA
Peak sensitivity value	-1.53E-02	2.40E-01	NAN
Shapiro-Wilk score	9.148E-01	7.257E-01	NA
Local	-1.69E-15	-8.56E-16	-INF
Min	-1.22E-14	-1.09E-14	-INF
Max	1.28E-14	1.03E-14	INF
Normalized peak height	3.94E-02	8.79E-02	NA
Peak sensitivity value	-1.72E-19	9.62E-18	NAN
Shapiro-Wilk score	9.486E-01	8.969E-01	NA
Local	9.90E-03	4.80E-03	-INF
Min	2.73E-03	1.18E-03	-INF
Max	2.34E-02	3.02E-02	INF
Normalized peak height	3.63E-03	8.13E-03	NA
Peak sensitivity value	8.40E-03	3.63E-03	NAN
Shapiro-Wilk score	9.741E-01	8.460E-01	NA
Local	2.16E-02	1.05E-02	-INF
Min	6.13E-03	2.20E-03	-INF
Max	5.89E-02	8.30E-02	INF
Normalized peak height	4.33E-03	1.03E-02	NA
Peak sensitivity value	1.95E-02	8.06E-03	NAN
Shapiro-Wilk score	9.780E-01	8.359E-01	NA
Local	1.86E-03	9.01E-04	-INF
Min	5.07E-04	2.29E-04	-INF
Max	5.22E-03	7.63E-03	INF
Normalized peak height	4.05E-03	1.07E-02	NA
Peak sensitivity value	1.76E-03	6.85E-04	NAN
Shapiro-Wilk score	9.613E-01	8.339E-01	NA
Local	5.60E-03	2.72E-03	-INF
Min	9.17E-04	4.12E-04	-INF
Max	2.24E-02	2.32E-02	INF
Normalized peak height	5.61E-03	1.01E-02	NA
Peak sensitivity value	4.37E-03	2.04E-03	NAN
Shapiro-Wilk score	9.434E-01	8.686E-01	NA
Local	-3.99E-15	-2.17E-15	-INF
Min	-2.75E-14	-2.29E-14	-INF
Max	4.03E-14	2.76E-14	INF
Normalized peak height	1.77E-02	3.17E-02	NA
Peak sensitivity value	-1.65E-17	-4.78E-18	NAN
Shapiro-Wilk score	9.708E-01	9.316E-01	NA
Local	1.98E-01	9.61E-02	-INF
Min	6.82E-02	2.47E-02	-INF
Max	5.13E-01	9.84E-01	INF
Normalized peak height	3.53E-03	1.23E-02	NA
Peak sensitivity value	1.42E-01	6.64E-02	NAN
Shapiro-Wilk score	9.355E-01	7.833E-01	NA
Local	0.00E+00	0.00E+00	-INF
Min	-1.09E-14	-4.14E-15	-INF
Max	8.63E-15	7.37E-15	INF
Normalized peak height	6.45E-01	6.48E-01	NA
Peak sensitivity value	-1.23E-18	-1.80E-18	NAN
Shapiro-Wilk score	6.177E-01	5.199E-01	NA
Local	0.00E+00	0.00E+00	-INF
Min	-4.24E-14	-2.35E-14	-INF
Max	2.80E-14	1.97E-14	INF
Normalized peak height	7.10E-01	7.15E-01	NA
Peak sensitivity value	1.68E-17	9.41E-18	NAN
Shapiro-Wilk score	1.926E-01	1.671E-01	NA
Local	-3.37E-02	-1.64E-02	-INF
Min	-8.86E-02	-1.22E-01	-INF
Max	-1.04E-02	-4.19E-03	INF
Normalized peak height	4.16E-03	9.68E-03	NA
Peak sensitivity value	-3.05E-02	-1.31E-02	NAN
Shapiro-Wilk score	9.734E-01	8.404E-01	NA
Local	-2.74E-15	-1.37E-15	-INF
Min	-6.22E-14	-7.39E-14	-INF
Max	8.56E-14	4.87E-14	INF
Normalized peak height	1.13E-02	1.81E-02	NA
Peak sensitivity value	-9.41E-16	2.15E-16	NAN
Shapiro-Wilk score	9.737E-01	9.204E-01	NA
Local	-1.38E-16	-6.97E-17	-INF
Min	-5.36E-14	-4.45E-14	-INF
Max	4.16E-14	3.73E-14	INF
Normalized peak height	1.15E-02	2.01E-02	NA
Peak sensitivity value	2.53E-16	-3.13E-17	NAN
Shapiro-Wilk score	9.639E-01	9.089E-01	NA
Local	-8.11E-03	-3.93E-03	-INF
Min	-1.82E-02	-3.33E-02	-INF
Max	-2.88E-03	-1.15E-03	INF
Normalized peak height	3.40E-03	1.15E-02	NA
Peak sensitivity value	-6.92E-03	-3.42E-03	NAN
Shapiro-Wilk score	9.759E-01	8.519E-01	NA
Local	-4.21E-02	-2.04E-02	-INF
Min	-7.56E-02	-1.56E-01	-INF
Max	-2.07E-02	-7.14E-03	INF
Normalized peak height	3.01E-03	1.11E-02	NA
Peak sensitivity value	-3.73E-02	-1.79E-02	NAN
Shapiro-Wilk score	9.821E-01	8.340E-01	NA
Local	-1.20E-02	-5.81E-03	-INF
Min	-2.13E-02	-3.36E-02	-INF
Max	-5.69E-03	-2.21E-03	INF
Normalized peak height	3.17E-03	8.70E-03	NA
Peak sensitivity value	-1.13E-02	-4.90E-03	NAN
Shapiro-Wilk score	9.880E-01	8.585E-01	NA
Local	-9.55E-04	-4.63E-04	-INF
Min	-4.13E-03	-7.02E-03	-INF
Max	-1.44E-04	-6.18E-05	INF
Normalized peak height	4.68E-03	1.53E-02	NA
Peak sensitivity value	-5.92E-04	-2.81E-04	NAN
Shapiro-Wilk score	9.142E-01	7.779E-01	NA
Local	1.62E-02	-2.32E-01	-INF
Min	-2.94E-03	-5.07E-01	-INF
Max	1.09E-01	-1.57E-01	INF
Normalized peak height	9.67E-03	5.59E-03	NA
Peak sensitivity value	1.65E-02	-2.29E-01	NAN
Shapiro-Wilk score	8.426E-01	9.523E-01	NA
Local	-9.65E-02	9.53E-01	-INF
Min	-1.85E-01	8.26E-01	-INF
Max	-5.15E-02	9.73E-01	INF
Normalized peak height	3.40E-03	6.79E-03	NA
Peak sensitivity value	-9.89E-02	9.54E-01	NAN
Shapiro-Wilk score	9.915E-01	9.132E-01	NA
Local	-1.73E-18	2.55E-17	-INF
Min	-8.96E-16	-2.70E-16	-INF
Max	2.41E-17	2.51E-15	INF
Normalized peak height	3.37E-01	3.16E-01	NA
Peak sensitivity value	-2.90E-19	-1.13E-18	NAN
Shapiro-Wilk score	2.689E-01	7.947E-01	NA

Table S28: Flux control coefficients for *Saccharomyces cerevisiae* model with parameter variation of ±30%

	(GlucoseMixedflowtoextracellularmedium)	(Glucoseuptake)	(Hexokinase)	(Phosphoglucoisomerase)	(Phosphofructokinase)	(Aldolase)	(Triosephosphateisomerase)	(Glyceraldehyde3-phosphatedehydrogenase)	(Phosphoenolpyruvatesynthesis)	(Pyruvatekinase)	(Pyruvatedecarboxylase)	(Alcoholdehydrogenase)	(Ethanolout)	(Ethanolflow)	(Glycerolsynthesis)	(Glycerolout)	(Glycerolflow)	(Acetaldehydeout)	(Acetaldehydeflow)	(Cyanide-Acetaldehydeflow)	(Cyanideflow)	(Storage)	(ATPconsumption)	(Adenylatekinase)
(Glucose Mixed flow to extracellular medium)																								
Local	1.25E-02	5.36E-03	9.73E-01	1.37E-03	1.65E-02	-3.45E-17	2.30E-04	5.02E-04	4.31E-05	1.30E-04	-8.14E-17	4.60E-03	0.00E+00	0.00E+00	-7.83E-04	-6.35E-17	-5.80E-18	-1.88E-04	-9.78E-04	-2.78E-04	-2.22E-05	-9.81E-03	-2.24E-03	1.36E-18
Min	5.22E-04	3.42E-04	-1.24E-02	2.01E-04	2.20E-03	-4.99E-15	-1.66E-03	-3.58E-03	-4.65E-04	-2.54E-03	-1.13E-14	-6.69E-02	-3.62E-15	-7.82E-15	-4.80E-02	-2.44E-14	-3.34E-14	-9.38E-03	-3.89E-02	-9.92E-03	-2.31E-03	-6.16E-02	-3.60E-02	-3.42E-17
Max	9.73E-01	4.56E-01	1.00E+00	1.75E-02	7.88E-01	6.43E-15	1.42E-02	3.08E-02	2.65E-03	5.39E-03	1.08E-14	2.40E-01	1.02E-15	1.51E-14	5.97E-03	6.52E-14	2.83E-14	1.67E-03	6.86E-03	1.96E-03	5.15E-04	2.51E-01	2.18E-02	1.01E-16
Normalized peak height	9.70E-02	6.84E-02	2.95E-02	1.29E-02	4.39E-02	2.24E-01	5.72E-02	5.42E-02	6.02E-02	5.04E-02	2.67E-01	5.60E-02	5.80E-01	8.59E-01	5.62E-02	3.25E-01	3.24E-01	4.52E-02	3.87E-02	3.70E-02	1.00E-01	2.76E-02	2.31E-02	2.87E-01
Peak sensitivity value	1.98E-03	1.48E-03	9.93E-01	1.06E-03	1.05E-02	-3.67E-18	1.40E-04	3.20E-04	2.25E-05	6.12E-05	-1.89E-18	1.94E-03	-2.09E-18	-5.14E-19	-4.81E-04	-2.38E-18	1.40E-17	-1.18E-04	-6.68E-04	-2.07E-04	-6.57E-06	-8.64E-03	-1.96E-03	4.97E-20
Shapiro-Wilk score	4.890E-01	5.105E-01	5.781E-01	7.361E-01	3.547E-01	3.158E-01	3.999E-01	4.011E-01	3.929E-01	5.347E-01	4.076E-01	3.732E-01	2.527E-01	1.348E-01	4.149E-01	2.975E-01	2.700E-01	4.320E-01	4.278E-01	4.480E-01	3.423E-01	6.339E-01	6.755E-01	8.665E-01
(Glucose uptake)																								
Local	1.25E-02	5.36E-03	9.73E-01	1.37E-03	1.65E-02	-2.20E-17	2.30E-04	5.02E-04	4.31E-05	1.30E-04	-8.36E-17	4.60E-03	0.00E+00	0.00E+00	-7.83E-04	-6.57E-17	-3.32E-18	-1.88E-04	-9.78E-04	-2.78E-04	-2.22E-05	-9.81E-03	-2.24E-03	1.36E-18
Min	4.87E-04	3.22E-04	-1.04E-02	2.21E-04	2.38E-03	-5.49E-15	-2.63E-03	-4.27E-03	-4.03E-04	-1.86E-03	-8.10E-15	-5.26E-02	-3.92E-15	-7.54E-15	-4.24E-02	-2.58E-14	-2.09E-14	-1.01E-02	-3.63E-02	-9.38E-03	-2.37E-03	-5.36E-02	-3.24E-02	-1.88E-17
Max	9.76E-01	4.53E-01	1.00E+00	1.96E-02	8.18E-01	7.97E-15	1.38E-02	2.70E-02	3.61E-03	6.64E-03	1.04E-14	2.38E-01	4.43E-15	1.31E-14	7.87E-03	2.67E-14	2.44E-14	1.56E-03	7.89E-03	2.07E-03	4.11E-04	2.39E-01	1.59E-02	1.27E-16
Normalized peak height	9.98E-02	6.81E-02	3.03E-02	1.43E-02	4.79E-02	1.24E-01	6.03E-02	5.11E-02	7.78E-02	5.47E-02	1.67E-01	5.60E-02	6.64E-01	8.40E-01	5.30E-02	2.02E-01	2.42E-01	4.88E-02	3.83E-02	3.54E-02	1.04E-01	2.74E-02	1.82E-02	2.88E-01
Peak sensitivity value	1.95E-03	1.91E-03	9.95E-01	1.18E-03	1.01E-02	-2.09E-18	1.22E-04	2.85E-04	2.06E-05	6.49E-05	-2.14E-19	2.14E-03	-3.63E-19	-2.28E-18	-4.56E-04	-5.01E-18	1.28E-17	-1.05E-04	-7.18E-04	-1.81E-04	-7.83E-06	-8.74E-03	-1.98E-03	4.53E-20
Shapiro-Wilk score	4.864E-01	5.195E-01	5.765E-01	7.342E-01	3.564E-01	4.309E-01	4.020E-01	3.979E-01	3.972E-01	5.366E-01	5.224E-01	3.760E-01	1.870E-01	1.199E-01	3.462E-01	3.292E-01	3.292E-01	4.251E-01	4.289E-01	4.542E-01	3.461E-01	6.425E-01	6.685E-01	8.577E-01
(Hexokinase)																								
Local	1.25E-02	5.36E-03	9.73E-01	1.37E-03	1.65E-02	-4.14E-17	2.30E-04	5.02E-04	4.31E-05	1.30E-04	-1.06E-16	4.60E-03	0.00E+00	0.00E+00	-7.83E-04	-6.57E-17	-3.32E-18	-1.88E-04	-9.78E-04	-2.78E-04	-2.22E-05	-9.81E-03	-2.24E-03	1.36E-18
Min	4.83E-04	3.19E-04	4.87E-03	1.75E-04	2.71E-03	-5.66E-15	-2.70E-03	-5.83E-03	-6.07E-04	-2.87E-03	-2.46E-14	-6.54E-02	-1.04E-15	-4.10E-15	-4.17E-02	-3.93E-14	-2.45E-14	-1.03E-02	-3.93E-02	-1.02E-02	-2.33E-03	-5.34E-02	-3.46E-02	-3.55E-17
Max	9.79E-01	4.33E-01	1.00E+00	1.63E-02	8.18E-01	4.79E-15	1.33E-02	2.72E-02	3.74E-03	5.22E-03	2.04E-14	2.47E-01	1.67E-15	1.25E-14	9.79E-03	2.66E-14	2.08E-14	2.28E-03	8.49E-03	2.38E-03	5.08E-04	2.56E-01	2.07E-02	4.85E-17
Normalized peak height	9.75E-02	6.48E-02	2.88E-02	1.21E-02	4.72E-02	2.00E-01	5.76E-02	5.24E-02	8.29E-02	5.36E-02	3.33E-01	6.11E-02	5.51E-01	7.39E-01	5.19E-02	2.14E-01	2.51E-01	5.14E-02	4.18E-02	3.77E-02	1.04E-01	2.74E-02	2.12E-02	2.89E-01
Peak sensitivity value	1.95E-03	1.83E-03	9.92E-01	1.02E-03	1.05E-02	-3.51E-18	1.15E-04	2.39E-04	2.03E-05	6.88E-05	3.18E-18	2.01E-03	-6.98E-19	-6.57E-18	-4.30E-04	-2.90E-17	1.40E-18	-1.26E-04	-6.19E-04	-2.03E-04	-6.78E-06	-9.36E-03	-2.05E-03	-7.72E-21
Shapiro-Wilk score	4.851E-01	5.088E-01	5.766E-01	7.321E-01	3.574E-01	3.262E-01	3.995E-01	3.974E-01	3.745E-01	5.391E-01	3.418E-01	3.758E-01	2.719E-01	1.381E-01	3.485E-01	3.519E-01	3.519E-01	4.254E-01	4.288E-01	4.514E-01	3.479E-01	6.268E-01	6.716E-01	9.163E-01
(Phosphoglucoisomerase)																								
Local	1.27E-02	5.48E-03	9.94E-01	3.42E-03	4.14E-02	4.62E-16	-6.63E-03	-1.45E-02	-1.24E-03	-3.75E-03	2.63E-15	-1.33E-01	0.00E+00	0.00E+00	2.26E-02	1.83E-15	9.24E-17	5.43E-03	2.82E-02	8.02E-03	6.39E-04	-2.82E-02	6.46E-02	3.55E-18
Min	4.83E-04	2.88E-04	-1.36E-02	4.65E-04	1.49E-02	-1.35E-14	-2.52E-02	-3.68E-02	-4.56E-03	-1.83E-02	-5.42E-14	-3.89E-01	-4.28E-14	-1.61E-13	2.08E-04	-4.45E-14	-5.49E-14	5.50E-05	2.54E-04	7.11E-05	1.05E-05	-8.76E-02	2.14E-04	-5.60E-17
Max	1.11E+00	4.04E-01	1.22E+00	2.68E-02	9.86E-01	1.25E-14	-3.57E-05	-2.06E-04	-1.15E-05	-1.26E-05	6.30E-14	-2.51E-03	3.86E-14	2.08E-13	6.06E-02	5.50E-14	7.32E-14	1.60E-02	5.81E-02	1.74E-02	4.22E-03	2.13E-01	1.27E-01	1.04E-16
Normalized peak height	1.11E-01	6.17E-02	1.13E-02	8.22E-03	2.83E-02	6.19E-02	4.94E-03	3.72E-03	4.81E-03	5.82E-03	1.06E-01	4.12E-03	5.42E-01	7.34E-01	3.60E-03	1.43E-02	2.90E-02	4.33E-03	3.85E-03	4.25E-03	6.47E-03	1.54E-02	3.41E-03	2.87E-01
Peak sensitivity value	2.15E-03	1.70E-03	9.64E-01	3.06E-03	2.99E-02	-5.10E-18	-4.34E-03	-1.17E-02	-8.79E-04	-2.12E-03	3.41E-17	-8.85E-02	1.99E-17	-6.16E-17	1.92E-02	8.53E-18	1.68E-18	4.09E-03	2.42E-02	6.61E-03	3.45E-04	-2.91E-02	6.23E-02	6.28E-20
Shapiro-Wilk score	4.877E-01	5.070E-01	6.398E-01	8.523E-01	4.114E-01	9.696E-01	9.618E-01	9.824E-01	9.500E-01	9.115E-01	8.187E-01	9.353E-01	2.559E-01	1.593E-01	9.779E-01	9.432E-01	9.086E-01	9.751E-01	9.936E-01	9.927E-01	8.778E-01	7.306E-01	9.897E-01	9.426E-01
(Phosphofructokinase)																								
Local	1.27E-02	5.48E-03	9.94E-01	3.42E-03	4.14E-02	1.39E-15	-6.63E-03	-1.45E-02	-1.24E-03	-3.75E-03	3.85E-15	-1.33E-01	0.00E+00	0.00E+00	2.26E-02	2.02E-15	1.13E-16	5.43E-03	2.82E-02	8.02E-03	6.39E-04	-2.82E-02	6.46E-02	3.55E-18
Min	4.86E-04	3.23E-04	-1.07E-02	3.49E-04	1.38E-02	-1.66E-14	-2.54E-02	-4.17E-02	-4.79E-03	-2.33E-02	-7.92E-14	-3.73E-01	-2.73E-14	-1.29E-13	1.74E-04	-5.80E-14	-6.18E-14	5.96E-05	3.51E-04	6.09E-05	5.32E-06	-9.71E-02	1.87E-04	-8.36E-17
Max	1.10E+00	4.45E-01	1.21E+00	2.26E-02	9.89E-01	1.26E-14	-3.54E-05	-1.14E-04	-9.20E-06	-5.59E-06	3.84E-14	-2.59E-03	3.13E-14	1.33E-13	7.08E-02	5.98E-14	4.79E-14	1.59E-02	5.27E-02	1.63E-02	3.94E-03	2.37E-01	1.35E-01	2.34E-16
Normalized peak height	1.12E-01	6.74E-02	1.12E-02	9.01E-03	2.79E-02	2.89E-02	4.96E-03	4.15E-03	5.30E-03	7.40E-03	7.97E-02	4.00E-03	5.08E-01	6.69E-01	4.42E-03	1.79E-02	2.55E-02	4.11E-03	3.54E-03	3.90E-03	6.30E-03	1.73E-02	3.82E-03	2.87E-01
Peak sensitivity value	2.14E-03	1.88E-03	9.55E-01	3.05E-03	3.28E-02	-6.48E-18	-4.84E-03	-1.14E-02	-8.97E-04	-1.74E-03	3.24E-17	-8.68E-02	-2.92E-17	-5.76E-17	1.68E-02	-5.40E-18	5.20E-17	4.47E-03	2.35E-02	7.14E-03	3.18E-04	-2.95E-02	6.51E-02	1.29E-19
Shapiro-Wilk score	4.868E-01	5.106E-01	6.401E-01	8.437E-01	4.102E-01	9.235E-01	9.599E-01	9.815E-01	9.533E-01	9.096E-01	8.623E-01	9.368E-01	2.737E-01	1.698E-01	9.773E-01	9.355E-01	9.011E-01	9.743E-01	9.938E-01	9.922E-01	8.769E-01	7.402E-01	9.893E-01	8.772E-01
(Aldolase)																								
Local	1.27E-02	5.48E-03	9.94E-01	3.42E-03	4.14E-02	1.11E-15	-6.63E-03	-1.45E-02	-1.24E-03	-3.75E-03	-1.02E-14	-1.33E-01	0.00E+00	0.00E+00	2.26E-02	3.98E-16	1.24E-16	5.43E-03	2.82E-02	8.02E-03	6.39E-04	-2.82E-02	6.46E-02	3.55E-18
Min	-1.32E-01	-1.79E-01	1.52E-03	-5.28E-05	-2.26E-03	-2.89E-14	-2.31E-02	-4.21E-02	-4.06E-03	-2.00E-02	-1.14E-13	-4.11E-01	-3.56E-14	-1.34E-13	2.02E-04	-7.13E-14	-5.08E-14	1.01E-04	4.43E-04	9.92E-05	1.43E-05	-1.27E-01	2.45E-04	-4.14E-17
Max	1.10E+00	4.68E-01	1.48E+00	2.42E-02	9.84E-01	3.62E-14	-4.74E-05	-2.01E-04	-1.26E-05	-1.23E-05	9.80E-14	-3.34E-03	5.17E-14	1.25E-13	6.59E-02	5.96E-14	6.55E-14	1.57E-02	5.32E-02	1.68E-02	3.87E-03	2.34E-01	1.28E-01	1.16E-16
Normalized peak height	1.22E-01	9.48E-02	1.39E-02	9.62E-03	2.85E-02	6.00E-02	4.65E-03	4.11E-03	4.28E-03	6.01E-03	8.27E-02	4.45E-03	5.33E-01	6.75E-01	3.99E-03	1.79E-02	2.52E-02	3.99E-03	3.51E-03	4.07E-03	6.05E-03	1.86E-02	3.51E-03	2.88E-01
Peak sensitivity value	2.41E-03	1.93E-03	9.61E-01	2.97E-03	3.18E-02	-2.07E-16	-4.24E-03	-1.30E-02	-8.76E-04	-1.86E-03	8.09E-17	-8.88E-02	-1.32E-17	6.97E-17	1.82E-02	-1.05E-17	-1.22E-17	4.04E-03	2.45E-02	6.90E-03	2.98E-04	-3.01E-02	6.13E-02	-4.16E-20
Shapiro-Wilk score	4.881E-01	5.200E-01	6.389E-01	8.564E-01	4.100E-01	8.740E-01	9.616E-01	9.808E-01	9.515E-01	9.141E-01	9.273E-01	9.346E-01	2.466E-01	1.706E-01	9.764E-01	9.393E-01	8.925E-01	9.753E-01	9.940E-01	9.918E-01	8.725E-01	7.513E-01	9.891E-01	9.300E-01
(Triosephosphate isomerase)																								
Local	1.01E-02	4.37E-03	7.92E-01	2.82E-03	2.81E-02	-1.03E-15	9.18E-03	2.01E-02	1.22E-03	5.20E-03	-5.10E-15	1.84E-01	0.00E+00	0.00E+00	-3.13E-02	-1.10E-17	1.39E-15	-7.52E-03	-3.91E-02	-1.11E-02	-8.85E-04	-1.80E-02	5.21E-02	2.13E-18
Min	4.68E-04	2.58E-04	-1.31E-02	1.00E-04	1.12E-03	-7.91E-15	7.75E-04	2.32E-03	2.45E-04	3.67E-04	-4.24E-14	3.98E-02	-1.56E-14	-4.58E-14	-1.42E-01	-1.95E-14	-1.78E-14	-2.57E-02	-1.08E-01	-2.70E-02	-6.86E-03	-6.97E-02	2.30E-04	-5.56E-17
Max	8.54E-01	3.54E-01	9.21E-01	1.55E-02	7.96E-01	1.10E-14	3.55E-02	9.24E-02	7.82E-03	2.55E-02	4.11E-14	7.27E-01	1.93E-14	6.07E-14	-3.55E-03	3.25E-14	2.00E-14	-1.56E-03	-1.27E-02	-3.69E-03	-5.28E-05	1.91E-01	1.20E-01	1.03E-16
Normalized peak height	1.05E-01	6.41E-02	5.81E-03	8.67E-03	3.16E-02	1.99E-02	4.52E-03	5.46E-03	5.46E-03	5.52E-03	8.32E-02	4.44E-03	5.50E-01	6.35E-01	5.48E-03	1.99E-02	2.27E-02	4.44E-03	3.77E-03	3.48E-03	7.46E-03	1.35E-02	3.33E-03	2.94E-01
Peak sensitivity value	1.75E-03	1.50E-03	8.51E-01	2.12E-03	2.14E-02	8.44E-18	6.80E-03	1.84E-02	1.18E-03	2.91E-03	-3.32E-17	1.07E-01	-1.35E-17	-3.28E-17	-2.71E-02	-1.19E-19	-1.46E-17	-6.37E-03	-3.09E-02	-8.88E-03	-3.76E-04	-2.13E-02	5.15E-02	-3.42E-20
Shapiro-Wilk score	4.871E-01	4.973E-01	7.438E-01	8.669E-01	4.235E-01	9.184E-01	9.325E-01	9.409E-01	9.142E-01	8.881E-01	9.341E-01	8.795E-01	3.796E-01	1.939E-01	9.364E-01	9.243E-01	8.934E-01	9.458E-01	9.638E-01	9.735E-01	8.333E-01	7.923E-01	9.981E-01	9.180E-01

(Glyceraldehyde 3-phosphate dehydrogenase)	Local	1.16E-02	4.98E-03	9.03E-01	2.92E-03	3.54E-02	-1.85E-16	5.23E-04	1.14E-03
	Min	-3.11E-03	-2.40E-03	-1.91E-02	2.12E-04	1.21E-02	-1.68E-14	-1.62E-03	-3.51E-03
	Max	9.11E-01	4.06E-01	9.49E-01	1.74E-02	8.70E-01	1.57E-14	1.60E-02	3.26E-02
	Normalized peak height	1.02E-01	6.50E-02	1.40E-02	8.21E-03	2.92E-02	2.33E-02	3.07E-02	2.77E-02
	Peak sensitivity value	1.92E-03	1.48E-03	9.02E-01	2.56E-03	2.54E-02	3.79E-17	3.07E-04	7.71E-04
	Shapiro-Wilk score	4.893E-01	5.086E-01	5.991E-01	8.467E-01	4.169E-01	9.122E-01	4.991E-01	4.972E-01
(Phosphoenolpyruvate synthesis)	Local	1.16E-02	4.98E-03	9.03E-01	2.92E-03	3.54E-02	-2.35E-16	5.23E-04	1.14E-03
	Min	4.12E-04	3.14E-04	3.76E-04	3.83E-04	1.25E-02	-2.11E-13	-2.46E-03	-4.23E-03
	Max	9.08E-01	4.10E-01	9.53E-01	1.76E-02	8.73E-01	2.37E-13	1.34E-02	2.91E-02
	Normalized peak height	9.81E-02	6.63E-02	1.47E-02	7.98E-03	2.92E-02	3.28E-02	2.78E-02	2.65E-02
	Peak sensitivity value	1.77E-03	1.75E-03	9.02E-01	3.01E-03	2.75E-02	1.56E-16	3.57E-04	7.95E-04
	Shapiro-Wilk score	4.862E-01	5.036E-01	5.968E-01	8.502E-01	4.141E-01	8.127E-01	4.931E-01	4.922E-01
(Pyruvate kinase)	Local	1.16E-02	4.98E-03	9.03E-01	2.92E-03	3.54E-02	2.24E-15	5.23E-04	1.14E-03
	Min	4.60E-04	2.54E-04	-1.31E-02	2.18E-04	1.26E-02	-4.94E-14	-1.71E-03	-3.58E-03
	Max	9.26E-01	3.64E-01	9.50E-01	1.99E-02	8.78E-01	4.54E-14	1.63E-02	3.22E-02
	Normalized peak height	1.02E-01	5.88E-02	1.38E-02	9.30E-03	3.00E-02	4.93E-02	3.30E-02	2.78E-02
	Peak sensitivity value	1.85E-03	1.53E-03	9.03E-01	2.69E-03	2.60E-02	-2.04E-17	3.58E-04	7.36E-04
	Shapiro-Wilk score	4.874E-01	5.190E-01	5.971E-01	8.493E-01	4.144E-01	8.789E-01	4.876E-01	4.899E-01
(Pyruvate decarboxylase)	Local	1.16E-02	4.98E-03	9.03E-01	2.92E-03	3.54E-02	-8.93E-16	5.23E-04	1.14E-03
	Min	4.92E-04	2.43E-04	-3.40E-05	3.78E-04	1.25E-02	-8.80E-15	-2.17E-03	-3.62E-03
	Max	9.13E-01	3.88E-01	9.52E-01	2.19E-02	8.93E-01	8.69E-15	1.85E-02	3.07E-02
	Normalized peak height	1.00E-01	6.31E-02	1.37E-02	1.01E-02	2.97E-02	4.27E-02	3.73E-02	2.69E-02
	Peak sensitivity value	1.86E-03	1.60E-03	8.98E-01	2.80E-03	2.61E-02	7.01E-18	3.39E-04	7.90E-04
	Shapiro-Wilk score	4.866E-01	5.106E-01	5.968E-01	8.469E-01	4.168E-01	8.618E-01	4.928E-01	4.862E-01
(Alcohol dehydrogenase)	Local	1.01E-02	4.37E-03	7.92E-01	2.32E-03	2.81E-02	-3.80E-16	9.18E-03	2.01E-02
	Min	3.65E-04	2.63E-04	1.94E-03	2.18E-05	2.59E-04	-4.88E-15	1.36E-03	2.87E-03
	Max	8.59E-01	3.16E-01	9.23E-01	1.33E-02	8.26E-01	3.54E-15	4.28E-02	7.91E-02
	Normalized peak height	1.06E-01	5.86E-02	5.98E-03	7.41E-03	3.19E-02	2.16E-02	5.52E-03	4.63E-03
	Peak sensitivity value	1.65E-03	1.37E-03	8.48E-01	2.16E-03	2.30E-02	-5.50E-18	6.69E-03	1.46E-02
	Shapiro-Wilk score	4.842E-01	4.960E-01	7.401E-01	8.719E-01	4.285E-01	8.729E-01	9.325E-01	9.437E-01
(Ethanol out)	Local	1.01E-02	4.37E-03	7.92E-01	2.32E-03	2.81E-02	-4.21E-16	9.18E-03	2.01E-02
	Min	4.24E-04	2.58E-04	1.40E-03	1.19E-04	1.41E-03	-4.90E-15	1.33E-03	2.96E-03
	Max	8.56E-01	3.31E-01	9.22E-01	1.61E-02	8.02E-01	3.95E-15	3.81E-02	7.79E-02
	Normalized peak height	1.08E-01	6.23E-02	5.73E-03	8.80E-03	3.16E-02	1.45E-01	5.08E-03	4.68E-03
	Peak sensitivity value	1.71E-03	1.42E-03	8.54E-01	2.11E-03	2.26E-02	-1.08E-18	5.83E-03	1.39E-02
	Shapiro-Wilk score	4.791E-01	5.032E-01	7.422E-01	8.695E-01	4.277E-01	8.863E-01	9.329E-01	9.428E-01
(Ethanol flow)	Local	1.01E-02	4.37E-03	7.92E-01	2.32E-03	2.81E-02	-3.81E-16	9.18E-03	2.01E-02
	Min	-3.23E-03	-4.81E-03	-1.54E-03	2.44E-04	2.74E-03	-4.40E-15	1.27E-03	2.98E-03
	Max	8.63E-01	3.92E-01	9.21E-01	1.40E-02	8.15E-01	4.62E-15	3.85E-02	7.60E-02
	Normalized peak height	1.03E-01	7.36E-02	6.25E-03	7.61E-03	3.13E-02	3.92E-02	5.14E-03	4.84E-03
	Peak sensitivity value	1.53E-03	1.35E-03	8.52E-01	2.11E-03	2.02E-02	-3.77E-18	6.69E-03	1.44E-02
	Shapiro-Wilk score	4.829E-01	5.010E-01	7.419E-01	8.722E-01	4.278E-01	8.656E-01	9.350E-01	9.442E-01
(Glycerol synthesis)	Local	2.51E-02	1.08E-02	1.96E+00	8.63E-03	1.04E-01	8.06E-15	-8.18E-02	-1.79E-01
	Min	-2.63E-03	-1.68E-03	-3.26E-02	9.11E-04	3.49E-02	-6.95E-14	-2.42E-01	-3.86E-01
	Max	2.59E+00	8.61E-01	3.01E+00	4.40E-02	2.42E+00	7.18E-14	-5.11E-03	-2.82E-02
	Normalized peak height	1.40E-01	7.08E-02	4.94E-03	7.13E-03	2.87E-02	2.14E-02	3.42E-03	3.02E-03
	Peak sensitivity value	3.85E-03	3.07E-03	1.58E+00	7.26E-03	6.96E-02	-6.21E-17	-6.87E-02	-1.64E-01
	Shapiro-Wilk score	4.884E-01	5.026E-01	8.304E-01	8.783E-01	4.291E-01	8.934E-01	9.721E-01	9.941E-01
(Glycerol out)	Local	2.51E-02	1.08E-02	1.96E+00	8.63E-03	1.04E-01	8.12E-15	-8.18E-02	-1.79E-01
	Min	7.37E-04	4.67E-04	-6.92E-03	9.09E-04	2.99E-02	-7.04E-14	-3.03E-01	-4.19E-01
	Max	2.59E+00	1.08E+00	3.02E+00	4.81E-02	2.31E+00	6.61E-14	-5.36E-03	-2.71E-02
	Normalized peak height	1.36E-01	8.64E-02	4.94E-03	7.79E-03	2.87E-02	2.28E-02	4.08E-03	3.35E-03
	Peak sensitivity value	4.63E-03	3.17E-03	1.66E+00	7.12E-03	7.21E-02	-2.99E-17	-6.74E-02	-1.75E-01
	Shapiro-Wilk score	4.886E-01	5.051E-01	8.281E-01	8.810E-01	4.263E-01	8.930E-01	9.730E-01	9.945E-01
(Glycerol flow)	Local	2.51E-02	1.08E-02	1.96E+00	8.63E-03	1.04E-01	8.14E-15	-8.18E-02	-1.79E-01
	Min	-9.87E-04	-5.26E-04	-7.69E-02	8.22E-04	3.45E-02	-7.52E-14	-2.83E-01	-4.05E-01
	Max	2.68E+00	8.97E-01	3.18E+00	4.52E-02	2.33E+00	6.78E-14	-4.91E-03	-2.72E-02
	Normalized peak height	1.38E-01	7.28E-02	5.41E-03	7.59E-03	2.78E-02	2.32E-02	3.85E-03	3.18E-03
	Peak sensitivity value	3.03E-03	2.61E-03	1.67E+00	7.23E-03	7.47E-02	-5.98E-17	-7.06E-02	-1.62E-01
	Shapiro-Wilk score	4.880E-01	4.980E-01	8.303E-01	8.747E-01	4.252E-01	8.950E-01	9.726E-01	9.941E-01
(Acetaldehyde out)	Local	2.51E-02	1.08E-02	1.96E+00	8.63E-03	1.04E-01	-5.92E-15	-8.18E-02	-1.79E-01
	Min	7.43E-04	5.48E-04	-4.35E-02	6.62E-04	3.25E-02	-4.52E-14	-2.87E-01	-3.84E-01
	Max	2.71E+00	9.35E-01	2.98E+00	4.41E-02	2.44E+00	8.08E-14	-5.88E-03	-3.18E-02
	Normalized peak height	1.36E-01	7.49E-02	4.88E-03	6.96E-03	2.93E-02	5.81E-02	3.84E-03	2.95E-03
	Peak sensitivity value	4.81E-03	2.89E-03	1.59E+00	6.98E-03	6.98E-02	-3.54E-17	-6.96E-02	-1.57E-01
	Shapiro-Wilk score	4.916E-01	5.067E-01	8.322E-01	8.826E-01	4.350E-01	8.582E-01	9.742E-01	9.944E-01
(Acetaldehyde flow)	Local	2.55E-02	1.10E-02	1.99E+00	8.78E-03	1.06E-01	-5.73E-15	-8.32E-02	-1.82E-01
	Min	-1.63E-03	-4.38E-03	-4.81E-02	6.88E-04	3.20E-02	-5.82E-14	-2.69E-01	-3.86E-01
	Max	3.05E+00	9.80E-01	3.04E+00	4.91E-02	2.44E+00	4.59E-14	-4.97E-03	-2.88E-02
	Normalized peak height	1.46E-01	7.89E-02	5.15E-03	7.95E-03	2.81E-02	2.79E-02	3.82E-03	2.98E-03
	Peak sensitivity value	2.94E-03	3.00E-03	1.64E+00	6.71E-03	7.18E-02	-4.64E-17	-7.35E-02	-1.71E-01
	Shapiro-Wilk score	4.891E-01	4.988E-01	8.412E-01	8.722E-01	4.313E-01	8.653E-01	9.726E-01	9.941E-01

(Glyceraldehyde 3-phosphate dehydrogenase)	Local	9.81E-05	2.96E-04	-9.79E-15	1.05E-02	0.00E+00	0.00E+00	-1.78E-03	7.65E-16
	Min	-3.51E-04	-1.38E-03	-5.10E-14	-4.51E-02	-2.57E-14	-1.15E-13	-4.63E-02	-3.19E-14
	Max	3.26E-03	6.25E-03	5.28E-14	2.74E-01	3.01E-14	8.97E-14	6.11E-03	3.72E-14
	Normalized peak height	3.30E-02	2.32E-02	5.47E-02	2.91E-02	5.19E-01	6.66E-01	2.64E-02	1.46E-02
	Peak sensitivity value	5.91E-05	1.67E-04	9.28E-18	5.43E-03	1.24E-17	-3.06E-17	-1.20E-03	-1.25E-16
	Shapiro-Wilk score	4.912E-01	6.514E-01	9.458E-01	4.641E-01	2.803E-01	1.565E-01	5.171E-01	9.389E-01
(Phosphoenolpyruvate synthesis)	Local	9.81E-05	2.96E-04	-4.52E-14	1.05E-02	0.00E+00	0.00E+00	-1.78E-03	-2.42E-15
	Min	-4.23E-04	-2.20E-03	-6.57E-13	-5.69E-02	-1.36E-13	-2.80E-13	-4.33E-02	-5.46E-14
	Max	3.74E-03	6.21E-03	4.35E-13	2.68E-01	4.17E-13	1.01E-13	7.66E-03	5.15E-14
	Normalized peak height	3.91E-02	2.61E-02	6.81E-02	2.88E-02	8.49E-01	7.71E-01	2.54E-02	2.15E-02
	Peak sensitivity value	5.80E-05	1.64E-04	-2.51E-16	5.87E-03	6.66E-17	-1.56E-16	-1.23E-03	2.77E-19
	Shapiro-Wilk score	4.891E-01	6.436E-01	9.215E-01	4.540E-01	1.454E-01	1.466E-01	5.117E-01	9.350E-01
(Pyruvate kinase)	Local	9.81E-05	2.96E-04	5.94E-14	1.05E-02	0.00E+00	0.00E+00	-1.78E-03	4.02E-15
	Min	-2.80E-04	-1.23E-03	-3.66E-13	-3.25E-02	-1.57E-13	-1.01E-13	-4.94E-02	-8.07E-14
	Max	3.48E-03	5.93E-03	3.17E-13	2.69E-01	1.19E-13	7.09E-14	4.46E-03	3.24E-14
	Normalized peak height	3.64E-02	2.21E-02	2.35E-01	2.76E-02	6.87E-01	6.64E-01	2.76E-02	2.89E-02
	Peak sensitivity value	5.66E-05	1.86E-04	-2.38E-16	5.72E-03	2.82E-17	6.44E-17	-1.38E-03	-2.68E-17
	Shapiro-Wilk score	4.735E-01	6.397E-01	8.514E-01	4.549E-01	1.496E-01	1.738E-01	5.069E-01	9.158E-01
(Pyruvate decarboxylase)	Local	9.81E-05	2.96E-04	-6.66E-16	1.05E-02	0.00E+00	0.00E+00	-1.78E-03	-6.65E-16
	Min	-4.92E-04	-2.11E-03	-3.84E-14	-6.90E-02	-1.50E-14	-1.17E-13	-5.39E-02	-4.58E-14
	Max	3.34E-03	5.85E-03	3.50E-14	2.60E-01	1.18E-14	5.43E-14	7.63E-03	4.37E-14
	Normalized peak height	3.61E-02	2.46E-02	1.07E-01	3.04E-02	5.33E-01	6.71E-01	3.08E-02	3.04E-02
	Peak sensitivity value	5.79E-05	1.47E-04	-2.16E-16	5.89E-03	-1.19E-17	8.01E-17	-1.14E-03	-4.19E-17
	Shapiro-Wilk score	4.915E-01	6.605E-01	7.888E-01	4.615E-01	3.634E-01	1.602E-01	5.025E-01	8.976E-01
(Alcohol dehydrogenase)	Local	1.72E-03	5.20E-03	6.30E-16	1.84E-01	0.00E+00	0.00E+00	-3.13E-02	-1.84E-16
	Min	2.51E-04	3.67E-04	-1.58E-14	3.66E-02	-1.12E-14	-4.09E-14	-1.23E-01	-1.85E-14
	Max	7.24E-03	2.63E-02	1.46E-14	7.00E-01	7.28E-15	4.87E-14	-4.91E-03	2.54E-14
	Normalized peak height	5.15E-03	5.62E-03	6.66E-02	4.75E-03	5.26E-01	6.36E-01	4.77E-03	2.06E-02
	Peak sensitivity value	1.25E-03	2.74E-03	-1.44E-17	1.12E-01	-7.08E-18	-1.33E-17	-2.60E-02	-8.65E-18
	Shapiro-Wilk score	9.146E-01	8.911E-01	9.277E-01	8.777E-01	4.527E-01	1.895E-01	9.410E-01	9.181E-01
(Ethanol out)	Local	1.72E-03	5.20E-03	5.13E-16	1.84E-01	2.37E-16	-8.88E-16	-3.13E-02	-1.07E-16
	Min	2.19E-04	4.22E-04	-1.55E-14	3.92E-02	-1.03E-14	-6.93E-14	-1.32E-01	-2.90E-14
	Max	9.99E-03	2.92E-02	1.13E-14	7.02E-01	7.64E-15	5.42E-14	-5.04E-03	2.37E-14
	Normalized peak height	6.46E-03	6.31E-03	3.39E-01	4.41E-03	6.31E-02	4.92E-01	4.87E-03	2.38E-02
	Peak sensitivity value	1.33E-03	3.03E-03	-4.95E-18	1.20E-01	-2.16E-16	4.31E-17	-2.27E-02	-5.93E-18
	Shapiro-Wilk score	9.176E-01	8.867E-01	9.197E-01	8.812E-01	9.789E-01	5.119E-01	9.388E-01	9.149E-01
(Ethanol flow)	Local	1.72E-03	5.20E-03	-1.74E-16	1.84E-01	-3.41E-16	-1.11E-15	-3.13E-02	-1.73E-16
	Min	2.59E-04	4.00E-04	-1.74E-14	3.82E-02	-1.02E-14	-4.53E-14	-1.37E-01	-3.06E-14
	Max	8.16E-03	3.37E-02	1.97E-14	7.03E-01	1.55E-14	3.65E-14	-5.45E-03	2.46E-14
	Normalized peak height	5.70E-03	7.11E-03	1.35E-01	4.42E-03	4.67E-01	1.18E-01	5.01E-03	2.58E-02
	Peak sensitivity value	1.19E-03	2.85E-03	-1.15E-17	1.00E-01	-2.79E-18	-2.53E-16	-2.21E-02	2.05E-17
	Shapiro-Wilk score	9.172E-01	8.882E-01	8.473E-01	8.819E-01	5.555E-01	6.080E-01	9.397E-01	9.137E-01
(Glycerol synthesis)	Local	-1.53E-02	-4.63E-02	1.65E-14	-1.64E+00	0.00E+00	0.00E+00	2.79E-01	8.97E-15
	Min	-3.92E-02	-1.73E-01	-2.66E-13	-2.79E+00	-4.25E-13	-2.15E-12	2.88E-02	-3.15E-13
	Max	-1.85E-03	-1.54E-03	3.07E-13	-9.56E-01	2.79E-13	1.30E-12	5.57E-01	2.71E-13
	Normalized peak height	3.86E-03	4.69E-03	9.44E-02	3.67E-03	6.81E-01	9.53E-01	2.75E-03	1.88E-02
	Peak sensitivity value	-1.18E-02	-2.65E-02	-6.40E-17	-1.51E+00	-2.83E-16	7.62E-18	2.52E-01	9.04E-17
	Shapiro-Wilk score	9.769E-01	9.496E-01	7.821E-01	9.773E-01	1.780E-01	1.443E-01	9.970E-01	9.478E-01
(Glycerol out)	Local	-1.53E-02	-4.63E-02	1.55E-14	-1.64E+00	0.00E+00	0.00E+00	2.79E-01	9.24E-15
	Min	-4.19E-02	-1.69E-01	-4.20E-13	-2.68E+00	-3.07E-13	-1.26E-12	3.17E-02	-3.49E-13
	Max	-1.78E-03	-1.29E-03	3.62E-13	-8.46E-01	3.34E-13	9.11E-13	5.74E-01	3.90E-13
	Normalized peak height	4.17E-03	4.29E-03	1.08E-01	3.73E-03	6.70E-01	9.11E-01	2.98E-03	2.08E-02
	Peak sensitivity value	-1.31E-02	-3.28E-02	-5.74E-17	-1.48E+00	2.36E-16	3.71E-16	2.74E-01	-2.47E-16
	Shapiro-Wilk score	9.756E-01	9.485E-01	7.677E-01	9.784E-01	1.757E-01	1.472E-01	9.973E-01	9.442E-01
(Glycerol flow)	Local	-1.53E-02	-4.63E-02	1.49E-14	-1.64E+00	0.00E+00	0.00E+00	2.79E-01	9.72E-15
	Min	-4.34E-02	-1.59E-01	-3.41E-13	-2.84E+00	-2.00E-13	-1.82E-12	3.07E-02	-3.62E-13
	Max	-1.89E-03	-1.66E-03	2.78E-13	-9.48E-01	3.55E-13	1.89E-12	5.88E-01	3.13E-13
	Normalized peak height	4.22E-03	4.41E-03	1.17E-01	3.58E-03	6.18E-01	8.71E-01	3.01E-03	2.02E-02
	Peak sensitivity value	-1.38E-02	-3.01E-02	2.38E-16	-1.51E+00	-2.55E-16	1.32E-15	3.19E-01	-1.76E-16
	Shapiro-Wilk score	9.758E-01	9.505E-01	7.771E-01	9.776E-01	1.883E-01	1.396E-01	9.971E-01	9.418E-01
(Acetaldehyde out)	Local	-1.53E-02	-4.63E-02	4.56E-21	-1.64E+00	0.00E+00	0.00E+00	2.79E-01	-5.24E-15
	Min	-3.94E-02	-1.83E-01	-2.64E-13	-2.73E+00	-1.72E-13	-8.31E-13	3.35E-02	-1.77E-13
	Max	-1.85E-03	-2.04E-03	3.02E-13	-9.46E-01	2.12E-13	1.09E-12	5.74E-01	2.34E-13
	Normalized peak height	4.13E-03	4.74E-03	3.11E-01	3.28E-03	6.08E-01	8.23E-01	3.01E-03	1.75E-02
	Peak sensitivity value	-1.31E-02	-3.24E-02	1.71E-16	-1.48E+00	-1.55E-16	6.77E-16	2.65E-01	1.48E-16
	Shapiro-Wilk score	9.759E-01	9.487E-01	8.018E-01	9.770E-01	2.280E-01	1.314E-01	9.973E-01	9.610E-01
(Acetaldehyde flow)	Local	-1.56E-02	-4.71E-02	-8.63E-15	-1.67E+00	0.00E+00	0.00E+00	2.84E-01	-5.10E-15
	Min	-4.61E-02	-1.94E-01	-2.09E-13	-2.97E+00	-1.84E-13	-1.09E-12	3.29E-02	-1.43E-13
	Max	-1.81E-03	-1.82E-03	3.03E-13	-9.57E-01	2.33E-13	9.14E-13	5.87E-01	2.06E-13
	Normalized peak height	4.72E-03	4.84E-03	1.30E-01	3.59E-03	6.16E-01	8.33E-01	2.96E-03	1.88E-02
	Peak sensitivity value	-1.36E-02	-3.49E-02	-2.42E-16	-1.43E+00	1.78E-16	-6.95E-16	2.68E-01	-1.10E-16
	Shapiro-Wilk score	9.744E-01	9.476E-01	7.209E-01	9.758E-01	1.799E-01	1.193E-01	9.970E-01	9.619E-01

(Glyceraldehyde 3-phosphate dehydrogenase)	Local	6.61E-16	-4.28E-04	-2.23E-03	-6.32E-04	-5.04E-05	-2.40E-02	5.89E-02	2.91E-18
	Min	-2.74E-14	-1.01E-02	-4.22E-02	-1.14E-02	-2.76E-03	-8.04E-02	1.83E-04	-6.18E-17
	Max	6.00E-14	1.25E-03	5.74E-03	1.39E-03	2.38E-04	2.17E-01	1.21E-01	2.57E-16
	Normalized peak height	3.07E-02	2.30E-02	2.11E-02	2.02E-02	4.70E-02	1.63E-02	3.48E-03	2.92E-01
	Peak sensitivity value	-1.82E-17	-3.33E-04	-1.86E-03	-5.27E-04	-2.14E-05	-2.46E-02	6.13E-02	1.52E-19
	Shapiro-Wilk score	9.012E-01	5.272E-01	5.175E-01	5.383E-01	4.371E-01	7.428E-01	9.928E-01	8.513E-01
(Phosphoenolpyruvate synthesis)	Local	1.16E-15	-4.28E-04	-2.23E-03	-6.32E-04	-5.04E-05	-2.40E-02	5.89E-02	2.91E-18
	Min	-2.66E-14	-1.13E-02	-4.11E-02	-1.12E-02	-2.37E-03	-8.65E-02	2.93E-04	-1.19E-16
	Max	3.22E-14	8.66E-04	5.64E-03	1.65E-03	3.85E-04	2.23E-01	1.24E-01	1.01E-16
	Normalized peak height	2.35E-02	2.50E-02	2.04E-02	2.02E-02	4.36E-02	1.74E-02	3.39E-03	2.92E-01
	Peak sensitivity value	1.25E-18	-2.96E-04	-1.87E-03	-5.51E-04	-2.10E-05	-2.50E-02	6.57E-02	3.03E-20
	Shapiro-Wilk score	8.995E-01	5.167E-01	5.070E-01	5.288E-01	4.285E-01	7.406E-01	9.923E-01	8.970E-01
(Pyruvate kinase)	Local	-8.26E-16	-4.28E-04	-2.23E-03	-6.32E-04	-5.04E-05	-2.40E-02	5.89E-02	2.91E-18
	Min	-3.25E-14	-1.24E-02	-4.22E-02	-1.15E-02	-2.38E-03	-8.67E-02	1.28E-04	-5.86E-17
	Max	4.81E-14	1.93E-03	5.63E-03	1.65E-03	2.26E-04	2.03E-01	1.25E-01	2.79E-16
	Normalized peak height	3.77E-02	2.93E-02	2.13E-02	2.07E-02	4.29E-02	1.58E-02	3.63E-03	2.88E-01
	Peak sensitivity value	6.11E-18	-3.03E-04	-1.67E-03	-4.98E-04	-2.54E-05	-2.49E-02	6.52E-02	-4.90E-20
	Shapiro-Wilk score	8.664E-01	5.156E-01	5.113E-01	5.396E-01	4.360E-01	7.636E-01	9.922E-01	8.585E-01
(Pyruvate decarboxylase)	Local	1.91E-15	-4.28E-04	-2.23E-03	-6.32E-04	-5.04E-05	-2.40E-02	5.89E-02	2.91E-18
	Min	-4.58E-14	-1.03E-02	-3.91E-02	-1.05E-02	-2.67E-03	-8.20E-02	1.40E-04	-1.07E-16
	Max	3.64E-14	2.02E-03	8.33E-03	1.76E-03	3.29E-04	2.13E-01	1.22E-01	1.08E-16
	Normalized peak height	5.68E-02	2.57E-02	2.06E-02	1.97E-02	4.82E-02	1.58E-02	3.56E-03	2.88E-01
	Peak sensitivity value	-1.71E-17	-3.07E-04	-1.65E-03	-5.23E-04	-2.34E-05	-2.37E-02	6.03E-02	-9.95E-20
	Shapiro-Wilk score	8.704E-01	5.280E-01	5.203E-01	5.408E-01	4.363E-01	7.466E-01	9.932E-01	8.850E-01
(Alcohol dehydrogenase)	Local	1.26E-15	-7.52E-03	-3.91E-02	-1.11E-02	-8.85E-04	-1.89E-02	5.21E-02	2.13E-18
	Min	-2.09E-14	-2.79E-02	-1.02E-01	-2.91E-02	-6.99E-03	-6.96E-02	1.13E-04	-6.30E-17
	Max	2.11E-14	-1.60E-03	-1.25E-02	-3.78E-03	-4.82E-05	1.72E-01	1.15E-01	1.20E-16
	Normalized peak height	3.72E-02	4.61E-03	3.63E-03	3.59E-03	7.53E-03	1.27E-02	3.26E-03	2.91E-01
	Peak sensitivity value	1.17E-17	-6.12E-03	-3.47E-02	-9.62E-03	-3.64E-04	-2.02E-02	5.33E-02	-5.26E-20
	Shapiro-Wilk score	8.892E-01	9.459E-01	9.636E-01	9.738E-01	8.254E-01	7.911E-01	9.978E-01	8.999E-01
(Ethanol out)	Local	1.31E-15	-7.52E-03	-3.91E-02	-1.11E-02	-8.85E-04	-1.89E-02	5.21E-02	2.13E-18
	Min	-3.53E-14	-3.17E-02	-1.11E-01	-2.95E-02	-7.52E-03	-7.47E-02	2.23E-04	-3.72E-17
	Max	3.39E-14	-1.61E-03	-1.22E-02	-3.84E-03	-5.18E-05	1.83E-01	1.19E-01	1.18E-16
	Normalized peak height	5.63E-02	4.87E-03	3.76E-03	3.87E-03	7.79E-03	1.31E-02	3.26E-03	2.93E-01
	Peak sensitivity value	1.70E-18	-6.23E-03	-3.38E-02	-9.04E-03	-4.51E-04	-2.08E-02	5.51E-02	4.61E-20
	Shapiro-Wilk score	8.726E-01	9.455E-01	9.649E-01	9.735E-01	8.337E-01	8.047E-01	9.983E-01	9.226E-01
(Ethanol flow)	Local	1.29E-15	-7.52E-03	-3.91E-02	-1.11E-02	-8.85E-04	-1.89E-02	5.21E-02	2.13E-18
	Min	-1.84E-14	-2.94E-02	-1.12E-01	-2.66E-02	-6.92E-03	-7.70E-02	1.14E-04	-7.29E-17
	Max	2.08E-14	-1.54E-03	-1.33E-02	-3.52E-03	-5.55E-05	2.18E-01	1.20E-01	3.41E-16
	Normalized peak height	3.48E-02	4.80E-03	3.98E-03	3.46E-03	7.11E-03	1.58E-02	3.19E-03	2.92E-01
	Peak sensitivity value	-1.61E-17	-5.85E-03	-3.41E-02	-1.01E-02	-4.78E-04	-2.17E-02	5.42E-02	1.37E-19
	Shapiro-Wilk score	8.786E-01	9.460E-01	9.636E-01	9.732E-01	8.344E-01	7.930E-01	9.981E-01	7.418E-01
(Glycerol synthesis)	Local	-6.51E-15	6.70E-02	3.48E-01	9.89E-02	7.89E-03	-7.27E-02	1.24E-01	1.03E-17
	Min	-2.44E-13	1.01E-02	8.54E-02	1.59E-02	1.24E-03	-2.04E-01	-2.18E-03	-2.06E-16
	Max	2.45E-13	1.79E-01	6.07E-01	2.39E-01	2.80E-02	4.23E-01	2.58E-01	1.39E-15
	Normalized peak height	3.59E-02	3.55E-03	3.71E-03	3.59E-03	4.21E-03	1.65E-02	3.94E-03	2.86E-01
	Peak sensitivity value	-1.21E-16	5.77E-02	3.62E-01	9.38E-02	5.03E-03	-7.09E-02	1.23E-01	-5.18E-19
	Shapiro-Wilk score	9.163E-01	9.803E-01	9.975E-01	9.934E-01	9.376E-01	7.328E-01	9.877E-01	6.839E-01
(Glycerol out)	Local	-6.55E-15	6.70E-02	3.48E-01	9.89E-02	7.89E-03	-7.27E-02	1.24E-01	1.03E-17
	Min	-2.79E-13	1.14E-02	7.22E-02	1.65E-02	1.24E-03	-1.96E-01	-6.82E-04	-1.88E-16
	Max	2.54E-13	1.97E-01	5.95E-01	2.33E-01	2.83E-02	5.47E-01	2.51E-01	6.40E-16
	Normalized peak height	3.06E-02	4.00E-03	3.56E-03	3.69E-03	4.25E-03	1.92E-02	3.88E-03	2.85E-01
	Peak sensitivity value	-1.69E-16	5.68E-02	3.46E-01	1.02E-01	4.90E-03	-6.82E-02	1.11E-01	3.87E-19
	Shapiro-Wilk score	9.153E-01	9.800E-01	9.975E-01	9.933E-01	9.374E-01	7.370E-01	9.886E-01	8.814E-01
(Glycerol flow)	Local	-6.66E-15	6.70E-02	3.48E-01	9.89E-02	7.89E-03	-7.27E-02	1.24E-01	1.03E-17
	Min	-2.76E-13	1.22E-02	9.09E-02	1.85E-02	1.16E-03	-2.22E-01	-3.89E-03	-1.46E-16
	Max	3.29E-13	1.85E-01	5.91E-01	2.46E-01	2.82E-02	4.64E-01	2.52E-01	2.85E-16
	Normalized peak height	4.06E-02	3.80E-03	3.37E-03	3.47E-03	4.05E-03	1.73E-02	3.85E-03	2.88E-01
	Peak sensitivity value	1.12E-17	6.00E-02	3.29E-01	9.68E-02	4.93E-03	-6.96E-02	1.18E-01	-7.16E-20
	Shapiro-Wilk score	9.178E-01	9.801E-01	9.976E-01	9.936E-01	9.377E-01	7.259E-01	9.875E-01	9.395E-01
(Acetaldehyde out)	Local	8.08E-15	6.70E-02	3.48E-01	9.89E-02	7.89E-03	-7.27E-02	1.24E-01	1.03E-17
	Min	-1.32E-13	1.17E-02	9.41E-02	1.57E-02	1.28E-03	-2.10E-01	-3.75E-04	-1.99E-16
	Max	1.75E-13	1.80E-01	6.06E-01	2.40E-01	3.01E-02	4.66E-01	2.59E-01	2.50E-15
	Normalized peak height	3.00E-02	3.64E-03	3.49E-03	3.66E-03	4.61E-03	1.71E-02	4.07E-03	2.92E-01
	Peak sensitivity value	4.38E-17	6.65E-02	3.68E-01	8.70E-02	4.93E-03	-6.82E-02	1.16E-01	-1.14E-18
	Shapiro-Wilk score	9.397E-01	9.805E-01	9.975E-01	9.933E-01	9.402E-01	7.342E-01	9.888E-01	5.399E-01
(Acetaldehyde flow)	Local	7.94E-15	6.82E-02	5.75E-01	-1.21E-01	-9.62E-03	-7.39E-02	1.27E-01	1.05E-17
	Min	-1.67E-13	1.12E-02	2.28E-01	-2.31E-01	-9.29E-02	-2.06E-01	-8.68E-04	-2.66E-16
	Max	1.42E-13	1.93E-01	8.05E-01	-4.93E-02	-7.59E-04	4.68E-01	2.78E-01	5.21E-16
	Normalized peak height	3.65E-02	3.98E-03	3.69E-03	3.21E-03	9.33E-03	1.71E-02	4.09E-03	2.91E-01
	Peak sensitivity value	2.38E-17	5.70E-02	5.87E-01	-1.13E-01	-6.15E-03	-6.97E-02	1.28E-01	-2.07E-19
	Shapiro-Wilk score	9.309E-01	9.807E-01	9.898E-01	9.895E-01	8.271E-01	7.323E-01	9.892E-01	8.687E-01

(Cyanide-Acetaldehyde flow)																							
Local	2.36E-02	1.02E-02	1.83E+00	8.13E-03	9.84E-02	-5.30E-15	-7.71E-02	-1.69E-01	-1.43E-02	-4.36E-02	-8.00E-15	-1.54E+00	0.00E+00	0.00E+00	2.63E-01	-4.73E-15	7.34E-15	6.31E-02	-3.93E-01	8.14E-01	6.50E-02	-6.85E-02	1.17E-01	9.70E-18
Min	-3.94E-03	-1.65E-03	-2.43E-02	3.58E-04	2.92E-02	-5.11E-14	-2.50E-01	-3.81E-01	-4.01E-02	-1.58E-01	-2.32E-13	-2.44E+00	-1.62E-13	-1.51E-12	2.64E-02	-1.78E-13	-1.19E-13	8.68E-03	-6.37E-01	5.60E-01	1.17E-02	-1.80E-01	-1.96E-03	-3.56E-16
Max	2.47E+00	8.22E-01	2.71E+00	4.26E-02	2.21E+00	4.98E-14	-5.58E-03	-2.41E-02	-1.67E-03	-1.01E-03	2.41E-13	-8.30E-01	2.64E-13	1.09E-12	5.33E-01	1.91E-13	1.47E-13	1.69E-01	-1.72E-01	9.31E-01	2.75E-01	4.03E-01	2.59E-01	1.03E-15
Normalized peak height	1.28E-01	7.19E-02	5.22E-03	7.52E-03	2.98E-02	2.61E-02	3.47E-03	3.24E-03	4.45E-03	4.34E-03	1.16E-01	3.68E-03	6.32E-01	8.27E-01	2.84E-03	2.16E-02	3.61E-02	3.57E-03	3.38E-03	3.99E-03	5.43E-03	1.62E-02	4.13E-03	2.88E-01
Peak sensitivity value	4.74E-03	2.88E-03	1.60E+00	6.50E-03	6.96E-02	-6.83E-18	-5.67E-02	-1.67E-01	-1.25E-02	-3.12E-02	1.52E-16	-1.34E+00	-5.80E-17	-1.04E-15	2.74E-01	3.88E-17	3.73E-17	5.56E-02	-4.06E-01	8.28E-01	4.32E-02	-6.75E-02	1.10E-01	3.87E-19
Shapiro-Wilk score	4.899E-01	5.055E-01	7.996E-01	8.841E-01	4.255E-01	8.582E-01	9.739E-01	9.941E-01	9.763E-01	9.510E-01	7.313E-01	9.809E-01	1.703E-01	1.170E-01	9.968E-01	9.600E-01	9.369E-01	9.812E-01	9.973E-01	9.741E-01	9.051E-01	7.420E-01	9.880E-01	7.327E-01
(Cyanide flow)																							
Local	2.36E-02	1.02E-02	1.83E+00	8.13E-03	9.84E-02	-5.30E-15	-7.71E-02	-1.69E-01	-1.43E-02	-4.36E-02	-7.92E-15	-1.54E+00	0.00E+00	0.00E+00	2.63E-01	-4.59E-15	7.47E-15	6.31E-02	-3.93E-01	8.14E-01	6.50E-02	-6.85E-02	1.17E-01	9.70E-18
Min	-9.00E-03	-3.23E-03	-5.24E-02	3.30E-04	2.92E-02	-7.57E-14	-2.68E-01	-3.96E-01	-3.80E-02	-1.54E-01	-3.41E-13	-2.56E+00	-1.81E-13	-8.07E-13	2.79E-02	-1.84E-13	-1.08E-13	9.11E-03	-6.53E-01	5.57E-01	1.05E-02	-1.80E-01	-3.43E-03	-2.94E-16
Max	2.59E+00	9.02E-01	2.68E+00	4.11E-02	2.29E+00	6.46E-14	-5.24E-03	-2.31E-02	-2.01E-03	-1.14E-03	2.44E-13	-8.63E-01	2.67E-13	8.35E-13	5.37E-01	2.03E-13	1.24E-13	1.69E-01	-1.94E-01	9.41E-01	2.88E-01	4.30E-01	2.52E-01	3.88E-16
Normalized peak height	1.32E-01	7.82E-02	5.12E-03	7.56E-03	2.92E-02	3.69E-02	3.70E-03	3.28E-03	3.99E-03	4.35E-03	1.28E-01	3.74E-03	6.37E-01	9.21E-01	2.95E-03	2.17E-02	2.63E-02	3.38E-03	3.28E-03	3.89E-03	5.29E-03	1.65E-02	4.20E-03	2.88E-01
Peak sensitivity value	2.70E-03	2.66E-03	1.63E+00	6.71E-03	6.65E-02	-1.27E-17	-6.33E-02	-1.73E-01	-1.26E-02	-3.11E-02	1.60E-16	-1.38E+00	4.38E-17	-5.47E-17	2.65E-01	-4.25E-17	1.05E-16	5.73E-02	-3.71E-01	8.32E-01	3.84E-02	-6.18E-02	1.11E-01	-2.38E-19
Shapiro-Wilk score	4.878E-01	5.022E-01	7.993E-01	8.825E-01	4.298E-01	8.589E-01	9.724E-01	9.938E-01	9.764E-01	9.484E-01	6.928E-01	9.810E-01	1.567E-01	1.280E-01	9.967E-01	9.563E-01	9.379E-01	9.804E-01	9.974E-01	9.741E-01	9.085E-01	7.314E-01	9.878E-01	8.739E-01
(Storage)																							
Local	1.21E-02	5.20E-03	9.43E-01	-1.53E-03	-1.85E-02	-1.69E-15	9.90E-03	2.16E-02	1.86E-03	5.60E-03	-3.99E-15	1.98E-01	0.00E+00	0.00E+00	-3.37E-02	-2.74E-15	-1.38E-16	-8.11E-03	-4.21E-02	-1.20E-02	-9.55E-04	1.62E-01	-9.65E-02	-1.73E-18
Min	5.43E-04	3.41E-04	-1.86E-02	-8.28E-03	-3.71E-01	-2.03E-14	1.16E-03	2.43E-03	2.59E-04	3.63E-04	-8.15E-14	4.13E-02	-5.24E-14	-3.00E-13	-1.23E-01	-8.34E-14	-8.76E-14	-2.79E-02	-9.70E-02	-2.68E-02	-7.36E-03	-2.94E-02	-2.54E-01	-9.83E-17
Max	1.04E+00	4.18E-01	1.15E+00	1.52E-02	6.63E-01	1.91E-14	3.68E-02	7.44E-02	8.20E-03	3.24E-02	7.55E-14	7.50E-01	4.82E-14	4.00E-13	-5.43E-03	1.25E-13	8.89E-14	-1.60E-03	-1.47E-02	-4.16E-03	-6.67E-05	2.44E-01	-2.56E-02	7.82E-17
Normalized peak height	1.06E-01	6.39E-02	6.16E-03	1.06E-02	3.93E-02	4.84E-02	4.64E-03	4.37E-03	5.29E-03	6.41E-03	7.72E-02	4.83E-03	5.26E-01	7.89E-01	4.47E-03	1.96E-02	2.53E-02	4.47E-03	3.18E-03	3.20E-03	7.69E-03	1.30E-02	3.68E-03	2.97E-01
Peak sensitivity value	2.11E-03	1.80E-03	1.01E+00	-1.24E-03	-1.38E-02	1.42E-17	7.21E-03	1.69E-02	1.19E-03	2.43E-03	4.67E-17	1.10E-01	-3.64E-17	8.43E-17	-2.60E-02	-2.50E-17	3.62E-17	-5.90E-03	-3.44E-02	-1.02E-02	-4.06E-04	1.86E-02	-8.92E-02	8.61E-20
Shapiro-Wilk score	4.901E-01	5.154E-01	7.340E-01	9.214E-01	4.658E-01	9.002E-01	9.435E-01	9.549E-01	9.214E-01	8.850E-01	8.370E-01	8.921E-01	2.837E-01	1.484E-01	9.471E-01	9.200E-01	8.910E-01	9.508E-01	9.689E-01	9.754E-01	8.449E-01	7.505E-01	9.828E-01	8.665E-01
(ATP consumption)																							
Local	-1.59E-03	-6.83E-04	-1.24E-02	2.57E-02	3.11E-01	-8.56E-16	1.80E-03	1.05E-02	9.01E-04	2.72E-03	-2.17E-15	9.61E-02	0.00E+00	0.00E+00	-1.64E-02	-1.37E-15	-6.97E-17	-3.19E-03	-2.04E-02	-5.81E-03	-4.63E-04	-2.32E-01	9.53E-01	2.55E-17
Min	-5.90E+00	-1.36E+00	-8.11E+00	1.39E-03	1.15E-01	-5.17E-14	5.59E-04	1.28E-03	1.03E-04	1.72E-04	-1.61E-13	1.58E-02	-2.87E-14	-1.26E-13	-3.98E-01	-2.25E-13	-1.52E-13	-8.67E-02	-3.05E-01	-9.10E-02	-1.94E-02	-1.08E+00	6.51E-01	-1.43E-15
Max	1.33E-01	1.72E-01	1.42E+00	9.30E-02	7.30E+00	5.57E-14	1.15E-01	2.14E-01	2.16E-02	3.64E-02	1.64E-13	2.11E+00	3.68E-14	1.33E-13	-2.10E-03	3.67E-13	2.19E-13	-6.56E-04	-4.70E-03	-1.37E-03	-2.13E-05	-1.94E-02	9.78E-01	1.02E-15
Normalized peak height	4.30E-01	6.14E-01	5.70E-02	5.91E-03	3.11E-02	1.41E-01	2.33E-02	1.86E-02	2.35E-02	1.24E-02	1.56E-01	2.03E-02	5.38E-01	7.15E-01	2.28E-02	9.33E-02	8.71E-02	2.06E-02	1.57E-02	1.69E-02	3.37E-02	1.14E-02	9.11E-03	2.92E-01
Peak sensitivity value	-3.11E-03	-3.95E-04	-1.04E-02	2.16E-02	2.12E-01	4.31E-17	2.91E-03	6.27E-03	5.66E-04	1.53E-03	-4.09E-17	4.40E-02	2.56E-17	9.51E-17	-1.14E-02	-6.68E-17	1.60E-16	-3.19E-03	-1.36E-02	-4.11E-03	-1.86E-04	-2.21E-01	9.48E-01	-3.07E-19
Shapiro-Wilk score	2.645E-01	2.135E-01	4.311E-01	9.357E-01	4.832E-01	5.427E-01	5.870E-01	5.830E-01	5.807E-01	7.278E-01	6.698E-01	5.560E-01	2.882E-01	1.601E-01	5.922E-01	6.019E-01	5.752E-01	6.084E-01	5.963E-01	6.115E-01	5.391E-01	8.336E-01	7.764E-01	8.735E-01
(Adenylate kinase)																							
Local	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF
Min	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF
Max	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF
Normalized peak height	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Peak sensitivity value	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN
Shapiro-Wilk score	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table S29: Flux control coefficients for *Saccharomyces cerevisiae* model with parameter variation of ±40%

	(GlucoseMixedflowtoextracellularmedium)	(Glucoseuptake)	(Hexokinase)	(Phosphoglucoisomerase)	(Phosphofructokinase)	(Aldolase)	(Triosephosphateisomerase)	(Glyceraldehyde3-phosphatedehydrogenase)	(Phosphoenolpyruvatesynthesis)	(Pyruvatekinase)	(Pyruvatedecarboxylase)	(Alcoholdehydrogenase)	(Ethanolout)	(Ethanolflow)	(Glycerolsynthesis)	(Glycerolout)	(Glycerolflow)	(Acetaldehydeout)	(Acetaldehydeflow)	(Cyanide-Acetaldehydeflow)	(Cyanideflow)	(Storage)	(ATPconsumption)	(Adenylatekinase)
(Glucose Mixed flow to extracellular medium)																								
Local	1.25E-02	5.36E-03	9.73E-01	1.37E-03	1.65E-02	-3.45E-17	2.30E-04	5.02E-04	4.31E-05	1.30E-04	-8.14E-17	4.60E-03	0.00E+00	0.00E+00	-7.83E-04	-6.35E-17	-5.80E-18	-1.88E-04	-9.78E-04	-2.78E-04	-2.22E-05	-9.81E-03	-2.24E-03	1.36E-18
Min	-6.41E-03	-5.67E-03	-1.38E-01	2.40E-05	8.74E-04	-1.08E-14	-7.08E-03	-8.76E-03	-1.12E-03	-4.37E-03	-2.96E-14	-9.77E-02	-2.25E-14	1.82E-13	-6.12E-02	-6.20E-14	-4.76E-14	-1.54E-02	-4.66E-02	-1.41E-02	-3.49E-03	-1.34E-01	-4.35E-02	-5.56E-17
Max	9.90E-01	5.10E-01	1.01E+00	3.26E-02	9.43E-01	1.26E-14	2.22E-02	4.05E-02	6.41E-03	7.09E-03	2.31E-14	2.85E-01	2.18E-14	1.07E-13	1.52E-02	1.00E-13	4.10E-14	3.84E-03	1.42E-02	4.66E-03	9.02E-04	3.09E-01	3.82E-02	9.68E-17
Normalized peak height	1.03E-01	6.90E-02	2.76E-02	1.82E-02	4.35E-02	4.17E-01	8.87E-02	6.27E-02	1.21E-01	6.51E-02	5.25E-01	6.40E-02	6.98E-01	8.95E-01	6.21E-02	4.95E-01	4.52E-01	6.34E-02	3.97E-02	4.34E-02	1.52E-01	2.62E-02	1.99E-02	2.80E-01
Peak sensitivity value	1.06E-03	1.30E-03	9.97E-01	9.19E-04	8.88E-03	1.72E-18	8.61E-05	1.75E-04	1.95E-05	3.35E-05	-7.36E-18	1.60E-03	1.91E-17	7.45E-17	-3.87E-04	-1.30E-17	1.47E-17	-9.31E-05	-5.20E-04	-1.55E-04	-5.16E-06	-7.90E-03	-1.89E-03	-3.09E-20
Shapiro-Wilk score	5.587E-01	5.032E-01	6.837E-01	6.589E-01	4.550E-01	3.179E-01	4.361E-01	4.644E-01	4.268E-01	5.408E-01	2.407E-01	4.657E-01	8.039E-02	4.840E-02	4.712E-01	3.215E-01	3.049E-01	4.795E-01	5.038E-01	5.112E-01	3.922E-01	6.249E-01	7.416E-01	8.010E-01
(Glucose uptake)																								
Local	1.25E-02	5.36E-03	9.73E-01	1.37E-03	1.65E-02	-2.20E-17	2.30E-04	5.02E-04	4.31E-05	1.30E-04	-8.36E-17	4.60E-03	0.00E+00	0.00E+00	-7.83E-04	-6.57E-17	-3.32E-18	-1.88E-04	-9.78E-04	-2.78E-04	-2.22E-05	-9.81E-03	-2.24E-03	1.36E-18
Min	-4.22E-02	-1.71E-02	-9.11E-02	2.38E-05	7.78E-04	-1.40E-14	-6.69E-03	-1.15E-02	-1.04E-03	-4.71E-03	-4.78E-14	-1.11E-01	-4.20E-14	-8.50E-14	-5.83E-02	-5.64E-14	-6.46E-14	-1.53E-02	-5.09E-02	-1.61E-02	-3.38E-03	-1.09E-01	-4.33E-02	-3.49E-17
Max	9.87E-01	5.23E-01	1.01E+00	2.89E-02	9.45E-01	1.35E-14	1.81E-02	4.08E-02	4.34E-03	8.07E-03	3.59E-14	2.73E-01	2.05E-14	1.81E-13	1.83E-02	6.53E-14	5.20E-14	3.43E-03	1.59E-02	4.07E-03	6.12E-04	3.05E-01	3.45E-02	8.13E-17
Normalized peak height	1.14E-01	7.23E-02	2.79E-02	1.61E-02	4.36E-02	2.03E-01	7.39E-02	6.69E-02	8.67E-02	7.18E-02	4.65E-01	6.14E-02	8.34E-01	7.55E-01	6.02E-02	3.80E-01	4.36E-01	6.00E-02	4.38E-02	4.54E-02	1.38E-01	2.44E-02	1.94E-02	2.74E-01
Peak sensitivity value	1.55E-03	9.88E-04	9.97E-01	1.02E-03	9.75E-03	1.96E-19	1.03E-04	1.79E-04	1.50E-05	4.20E-05	-2.68E-17	1.53E-03	1.19E-17	1.29E-16	-3.24E-04	3.76E-17	4.33E-17	-9.73E-05	-5.69E-04	-1.33E-04	-4.36E-06	-8.48E-03	-1.87E-03	-7.74E-21
Shapiro-Wilk score	5.601E-01	4.990E-01	6.821E-01	6.587E-01	4.538E-01	3.717E-01	4.450E-01	4.673E-01	4.228E-01	5.383E-01	2.226E-01	4.614E-01	8.221E-02	5.158E-02	4.754E-01	3.190E-01	3.014E-01	4.745E-01	5.035E-01	5.090E-01	3.916E-01	6.242E-01	7.440E-01	7.924E-01
(Hexokinase)																								
Local	1.25E-02	5.36E-03	9.73E-01	1.37E-03	1.65E-02	-4.14E-17	2.30E-04	5.02E-04	4.31E-05	1.30E-04	-1.06E-16	4.60E-03	0.00E+00	0.00E+00	-7.83E-04	-6.57E-17	-3.32E-18	-1.88E-04	-9.78E-04	-2.78E-04	-2.22E-05	-9.81E-03	-2.24E-03	1.36E-18
Min	-2.29E-02	-2.22E-02	-6.46E-02	6.14E-05	9.44E-04	-1.59E-14	-5.65E-03	-9.00E-03	-9.26E-04	-6.03E-03	-3.97E-14	-1.05E-01	-2.81E-14	-9.86E-14	-5.59E-02	-5.57E-14	-4.91E-14	-1.46E-02	-4.82E-02	-1.45E-02	-3.39E-03	-9.71E-02	-4.76E-02	-3.77E-17
Max	9.88E-01	5.10E-01	1.01E+00	2.76E-02	9.33E-01	1.03E-14	2.14E-02	3.49E-02	5.32E-03	9.54E-03	5.35E-14	2.84E-01	4.55E-14	1.13E-13	1.65E-02	8.53E-14	3.86E-14	4.68E-03	1.74E-02	5.01E-03	7.19E-04	3.10E-01	3.93E-02	5.90E-17
Normalized peak height	1.05E-01	6.99E-02	2.68E-02	1.54E-02	4.15E-02	3.86E-01	8.07E-02	5.54E-02	1.02E-01	8.75E-02	5.05E-01	6.15E-02	8.32E-01	8.58E-01	5.80E-02	4.07E-01	3.73E-01	6.26E-02	4.29E-02	4.55E-02	1.36E-01	2.42E-02	2.16E-02	2.73E-01
Peak sensitivity value	1.85E-03	1.51E-03	9.97E-01	7.64E-04	7.94E-03	-3.42E-18	1.01E-04	1.89E-04	1.43E-05	4.88E-05	2.91E-17	1.57E-03	-2.10E-17	8.06E-17	-3.59E-04	-4.44E-17	3.45E-17	-8.19E-05	-5.32E-04	-1.35E-04	-6.04E-06	-8.64E-03	-1.90E-03	-4.74E-20
Shapiro-Wilk score	5.544E-01	5.040E-01	6.817E-01	6.661E-01	4.546E-01	3.341E-01	4.457E-01	4.696E-01	4.204E-01	5.380E-01	2.196E-01	4.663E-01	6.268E-02	5.532E-02	4.775E-01	3.381E-01	3.171E-01	4.812E-01	5.048E-01	5.130E-01	3.971E-01	6.266E-01	7.424E-01	8.271E-01
(Phosphoglucoisomerase)																								
Local	1.27E-02	5.48E-03	9.94E-01	3.42E-03	4.14E-02	4.62E-16	-6.63E-03	-1.45E-02	-1.24E-03	-3.75E-03	2.63E-15	-1.33E-01	0.00E+00	0.00E+00	2.26E-02	1.83E-15	9.24E-17	5.43E-03	2.82E-02	8.02E-03	6.39E-04	-2.82E-02	6.46E-02	3.55E-18
Min	-6.74E-04	-7.96E-04	-8.99E-02	3.28E-05	1.13E-02	-1.77E-14	-3.82E-02	-6.44E-02	-6.69E-03	-2.51E-02	-6.26E-14	-4.71E-01	-5.70E-14	-1.60E-13	-3.02E-04	-9.30E-14	-6.22E-14	-1.36E-04	-4.16E-04	-1.23E-04	-1.22E-05	-1.45E-01	-4.15E-04	-4.98E-17
Max	1.20E+00	5.79E-01	1.29E+00	3.84E-02	1.02E+00	1.72E-14	8.42E-05	1.86E-04	2.09E-05	6.15E-05	9.49E-14	2.45E-03	4.51E-14	3.43E-13	9.51E-02	7.16E-14	6.34E-14	2.24E-02	6.18E-02	2.17E-02	5.03E-03	3.13E-01	1.64E-01	1.28E-16
Normalized peak height	1.32E-01	8.19E-02	8.80E-03	1.13E-02	2.42E-02	7.01E-02	6.35E-03	5.14E-03	6.20E-03	7.92E-03	2.12E-01	4.92E-03	4.49E-01	6.70E-01	4.74E-03	6.17E-02	6.94E-02	4.72E-03	3.29E-03	3.95E-03	8.40E-03	1.64E-02	4.34E-03	2.76E-01
Peak sensitivity value	1.12E-03	1.23E-03	9.48E-01	2.89E-03	2.70E-02	-9.07E-18	-3.11E-03	-9.34E-03	-5.33E-04	-2.64E-05	-1.04E-17	-6.46E-02	-4.81E-17	1.66E-16	1.59E-02	5.47E-17	3.05E-17	4.07E-03	1.87E-02	6.01E-03	1.47E-04	-2.99E-02	1.62E-04	-8.87E-20
Shapiro-Wilk score	5.586E-01	4.901E-01	7.386E-01	7.874E-01	4.991E-01	9.414E-01	9.284E-01	9.698E-01	9.171E-01	8.548E-01	6.872E-01	9.245E-01	3.564E-01	2.806E-01	9.645E-01	8.459E-01	8.023E-01	9.622E-01	9.939E-01	9.909E-01	8.147E-01	7.079E-01	9.872E-01	9.066E-01
(Phosphofructokinase)																								
Local	1.27E-02	5.48E-03	9.94E-01	3.42E-03	4.14E-02	1.39E-15	-6.63E-03	-1.45E-02	-1.24E-03	-3.75E-03	3.85E-15	-1.33E-01	0.00E+00	0.00E+00	2.26E-02	2.02E-15	1.13E-16	5.43E-03	2.82E-02	8.02E-03	6.39E-04	-2.82E-02	6.46E-02	3.55E-18
Min	-2.75E-01	-9.19E-01	-8.62E-02	-1.32E-02	-5.48E-01	-1.52E-14	-3.18E-02	-6.32E-02	-6.27E-03	-2.56E-02	-6.20E-14	-4.79E-01	-7.55E-14	-2.01E-13	8.44E-06	-7.20E-14	-9.42E-14	2.07E-06	1.71E-05	4.21E-06	1.51E-07	-5.29E-01	6.02E-06	-1.25E-16
Max	1.19E+00	5.66E-01	3.34E+00	4.02E-02	9.99E-01	1.61E-14	-1.38E-06	-8.23E-06	-3.11E-07	-1.79E-07	1.14E-13	-7.13E-05	4.82E-14	2.43E-13	8.88E-02	8.17E-14	9.79E-14	2.17E-02	6.91E-02	2.00E-02	5.55E-03	3.07E-01	1.57E-01	1.36E-16
Normalized peak height	1.53E-01	1.65E-01	2.18E-02	1.54E-02	3.60E-02	4.83E-02	5.50E-03	4.87E-03	5.92E-03	1.29E-02	2.15E-01	4.72E-03	4.86E-01	7.00E-01	4.67E-03	6.45E-02	9.85E-02	4.54E-03	3.45E-03	3.81E-03	9.10E-03	2.77E-02	4.67E-03	2.88E-01
Peak sensitivity value	1.12E-03	2.26E-03	9.53E-01	2.78E-03	2.83E-02	5.76E-18	-3.35E-03	-9.26E-03	-7.31E-04	-1.30E-05	-1.44E-17	-6.20E-02	2.51E-17	4.48E-17	1.61E-02	2.34E-17	6.05E-18	3.50E-03	2.06E-02	6.09E-03	1.31E-04	-2.88E-02	8.44E-05	1.77E-20
Shapiro-Wilk score	5.551E-01	4.821E-01	7.365E-01	7.880E-01	4.975E-01	8.712E-01	9.304E-01	9.704E-01	9.212E-01	8.523E-01	7.311E-01	9.253E-01	3.428E-01	2.760E-01	9.661E-01	8.497E-01	7.907E-01	9.630E-01	9.934E-01	9.911E-01	8.126E-01	7.007E-01	9.862E-01	8.738E-01

(Aldolase)	Local	1.27E-02	5.48E-03	9.94E-01	3.42E-03	4.14E-02	1.11E-15	-6.63E-03	-1.45E-02	-1.24E-03	-3.75E-03	-1.02E-14	-1.33E-01	0.00E+00	0.00E+00	2.26E-02	3.98E-16	1.24E-16	5.43E-03	2.82E-02	8.02E-03	6.39E-04	-2.82E-02	6.46E-02	3.55E-18
	Min	-3.15E-03	-2.20E-03	-1.75E+00	2.07E-05	1.22E-02	-4.04E-14	-3.14E-02	-4.71E-02	-6.63E-03	-2.65E-02	-1.24E-13	-4.99E-01	-9.61E-14	-2.67E-13	-8.25E-03	-1.11E-13	-8.78E-14	-2.37E-03	-1.64E-02	-3.08E-03	-4.63E-04	-1.46E-01	-1.99E-02	-4.86E-17
	Max	1.24E+00	6.35E-01	1.26E+00	4.01E-02	1.79E+00	5.12E-14	1.02E-03	6.27E-03	1.57E-03	7.48E-04	1.69E-13	1.40E-01	1.09E-13	2.33E-13	8.43E-02	8.68E-14	6.05E-14	1.98E-02	6.78E-02	2.31E-02	6.13E-03	3.18E-01	1.59E-01	1.77E-16
	Normalized peak height	1.40E-01	9.08E-02	1.91E-02	1.13E-02	4.03E-02	5.66E-02	5.31E-03	4.20E-03	7.95E-03	9.20E-03	1.82E-01	6.32E-03	5.38E-01	6.93E-01	5.11E-03	6.33E-02	7.27E-02	4.62E-03	4.26E-03	4.64E-03	1.04E-02	1.55E-02	4.67E-03	2.83E-01
	Peak sensitivity value	1.20E-03	1.30E-03	9.40E-01	2.72E-03	2.73E-02	-2.48E-16	-3.54E-03	-9.55E-03	-6.89E-04	-2.70E-05	1.44E-16	-6.49E-02	6.18E-17	-1.46E-16	1.24E-02	-2.03E-17	3.86E-17	3.96E-03	2.02E-02	6.28E-03	1.86E-04	-2.86E-02	1.02E-04	-8.49E-20
	Shapiro-Wilk score	5.590E-01	4.842E-01	7.409E-01	7.874E-01	5.024E-01	7.351E-01	9.298E-01	9.688E-01	9.190E-01	8.479E-01	8.369E-01	9.227E-01	3.007E-01	2.875E-01	9.642E-01	8.503E-01	7.994E-01	9.626E-01	9.935E-01	9.909E-01	8.117E-01	6.967E-01	9.875E-01	8.820E-01
(Triosephosphate isomerase)	Local	1.01E-02	4.37E-03	7.92E-01	2.32E-03	2.81E-02	-1.03E-15	9.18E-03	2.01E-02	1.72E-03	5.20E-03	-5.10E-15	1.84E-01	0.00E+00	0.00E+00	-3.13E-02	-1.10E-17	1.39E-15	-7.52E-03	-3.91E-02	-1.11E-02	-8.85E-04	-1.89E-02	5.21E-02	2.13E-18
	Min	-3.15E-03	-3.19E-03	-1.81E-01	-1.20E-03	-4.11E-02	-2.30E-14	4.89E-04	1.61E-03	1.35E-04	1.16E-04	-9.36E-14	2.26E-02	-3.77E-14	-9.05E-14	-1.67E-01	-4.41E-14	-4.08E-14	-4.09E-02	-1.27E-01	-3.67E-02	-1.14E-02	-1.35E-01	-1.14E-04	-6.25E-17
	Max	9.12E-01	4.54E-01	9.40E-01	2.86E-02	9.31E-01	1.74E-14	6.12E-02	1.10E-01	1.49E-02	4.47E-02	8.93E-14	8.70E-01	3.02E-14	7.92E-14	-2.40E-03	4.71E-14	2.97E-14	-8.62E-04	-8.67E-03	-2.31E-03	-2.05E-05	2.59E-01	1.47E-01	1.31E-16
	Normalized peak height	1.26E-01	7.89E-02	6.00E-03	1.17E-02	2.85E-02	3.99E-02	7.02E-03	5.60E-03	8.30E-03	9.05E-03	1.87E-01	5.55E-03	4.95E-01	5.65E-01	5.22E-03	5.49E-02	6.42E-02	5.53E-03	3.70E-03	4.08E-03	1.20E-02	1.31E-02	4.35E-03	2.75E-01
	Peak sensitivity value	9.69E-04	1.15E-03	7.81E-03	2.07E-03	2.06E-02	-1.05E-17	5.19E-03	1.29E-02	9.97E-04	1.83E-03	-4.14E-17	7.72E-02	-2.01E-18	1.60E-17	-1.96E-02	1.33E-18	-2.08E-17	-4.92E-03	-2.83E-02	-9.41E-03	-2.43E-04	-1.98E-02	1.06E-04	2.27E-20
	Shapiro-Wilk score	5.505E-01	4.717E-01	7.962E-01	8.023E-01	4.927E-01	7.806E-01	8.801E-01	9.020E-01	8.530E-01	8.173E-01	8.551E-01	8.449E-01	3.938E-01	3.155E-01	9.000E-01	7.777E-01	7.489E-01	9.047E-01	9.444E-01	9.499E-01	7.683E-01	7.385E-01	9.931E-01	8.773E-01
(Glyceraldehyde 3-phosphate dehydrogenase)	Local	1.16E-02	4.98E-03	9.03E-01	2.92E-03	3.54E-02	-1.85E-16	5.23E-04	1.14E-03	9.81E-05	2.96E-04	-9.79E-15	1.05E-02	0.00E+00	0.00E+00	-1.78E-03	7.65E-16	6.61E-16	-4.28E-04	-2.23E-03	-6.32E-04	-5.04E-05	-2.40E-02	5.89E-02	2.91E-18
	Min	-2.15E-03	-2.72E-03	-1.31E-01	1.27E-05	1.06E-02	-5.14E-14	-6.65E-03	-8.13E-03	-1.92E-03	-5.07E-03	-1.07E-13	-9.29E-02	-3.40E-14	-2.03E-13	-6.97E-02	-4.35E-14	-5.25E-14	-1.53E-02	-5.06E-02	-1.53E-02	-5.11E-03	-1.32E-01	-9.32E-06	-7.10E-17
	Max	9.38E-01	4.92E-01	9.63E-01	2.74E-02	9.63E-01	9.54E-14	2.54E-02	4.62E-02	7.58E-03	8.75E-03	6.16E-14	3.05E-01	4.59E-14	1.41E-13	1.84E-02	4.66E-14	5.51E-14	3.65E-03	1.52E-02	4.38E-03	6.46E-04	2.75E-01	1.57E-01	1.57E-16
	Normalized peak height	1.17E-01	7.37E-02	1.08E-02	1.01E-02	2.51E-02	1.00E-01	4.56E-02	3.47E-02	7.28E-02	3.70E-02	1.51E-01	3.11E-02	4.50E-01	6.82E-01	3.41E-02	3.92E-02	6.53E-02	3.00E-02	2.17E-02	2.28E-02	9.12E-02	1.43E-02	4.12E-03	2.85E-01
	Peak sensitivity value	1.14E-03	9.87E-04	9.03E-01	2.55E-03	2.63E-02	6.22E-17	2.87E-04	5.40E-04	5.33E-05	1.32E-04	6.38E-17	4.76E-03	-2.37E-17	5.76E-17	-8.94E-04	-7.84E-18	-4.91E-17	-2.91E-04	-1.42E-03	-3.83E-04	-1.34E-05	-2.32E-02	2.26E-04	5.31E-20
	Shapiro-Wilk score	5.572E-01	4.861E-01	7.012E-01	7.934E-01	5.006E-01	7.063E-01	5.019E-01	5.356E-01	4.894E-01	6.314E-01	8.670E-01	5.336E-01	3.476E-01	2.688E-01	5.398E-01	8.593E-01	7.896E-01	5.575E-01	5.758E-01	5.849E-01	4.630E-01	7.102E-01	9.903E-01	8.534E-01
(Phosphoenolpyruvate synthesis)	Local	1.16E-02	4.98E-03	9.03E-01	2.92E-03	3.54E-02	-2.35E-16	5.23E-04	1.14E-03	9.81E-05	2.96E-04	-4.52E-14	1.05E-02	0.00E+00	0.00E+00	-1.78E-03	-2.42E-15	1.16E-15	-4.28E-04	-2.23E-03	-6.32E-04	-5.04E-05	-2.40E-02	5.89E-02	2.91E-18
	Min	-2.64E-03	-4.74E-03	-3.89E-01	4.73E-05	1.02E-02	-2.56E-13	-6.21E-03	-8.26E-03	-1.13E-03	-4.23E-03	-5.93E-13	-8.42E-02	-3.28E-13	-2.89E-13	-7.32E-02	-1.21E-13	-5.85E-14	-1.62E-02	-5.04E-02	-1.72E-02	-4.04E-03	-1.42E-01	-9.99E-06	-9.53E-17
	Max	9.36E-01	4.96E-01	9.63E-01	3.01E-02	9.73E-01	2.87E-13	2.51E-02	4.46E-02	5.14E-03	1.05E-02	3.86E-13	2.98E-01	4.14E-13	1.97E-13	1.71E-02	8.06E-14	5.71E-14	2.26E-03	1.01E-02	4.15E-03	6.81E-04	2.88E-01	1.52E-01	1.68E-16
	Normalized peak height	1.11E-01	7.48E-02	1.33E-02	1.01E-02	2.64E-02	4.00E-02	4.53E-02	3.32E-02	4.90E-02	3.91E-02	1.58E-01	3.01E-02	6.79E-01	7.63E-01	3.58E-02	6.31E-02	7.70E-02	2.85E-02	2.00E-02	2.53E-02	7.30E-02	1.52E-02	4.37E-03	2.82E-01
	Peak sensitivity value	1.58E-03	1.02E-03	9.02E-01	2.56E-03	2.51E-02	2.24E-16	2.62E-04	6.00E-04	5.20E-05	1.25E-04	-2.81E-16	4.61E-03	3.23E-16	3.62E-17	-9.92E-04	9.88E-17	5.25E-17	-2.83E-04	-1.33E-03	-4.43E-04	-1.45E-05	-2.41E-02	6.58E-05	3.19E-20
	Shapiro-Wilk score	5.550E-01	4.852E-01	7.009E-01	7.899E-01	5.047E-01	6.439E-01	5.102E-01	5.399E-01	4.948E-01	6.209E-01	8.558E-01	5.341E-01	2.751E-01	2.698E-01	5.428E-01	8.446E-01	7.771E-01	5.589E-01	5.790E-01	5.855E-01	4.662E-01	7.067E-01	9.894E-01	8.609E-01
(Pyruvate kinase)	Local	1.16E-02	4.98E-03	9.03E-01	2.92E-03	3.54E-02	2.24E-15	5.23E-04	1.14E-03	9.81E-05	2.96E-04	5.94E-14	1.05E-02	0.00E+00	0.00E+00	-1.78E-03	4.02E-15	-8.26E-16	-4.28E-04	-2.23E-03	-6.32E-04	-5.04E-05	-2.40E-02	5.89E-02	2.91E-18
	Min	-1.53E-02	-2.58E-02	-6.41E-02	3.10E-05	8.64E-03	-1.45E-13	-5.82E-03	-9.10E-03	-9.18E-04	-3.91E-03	-4.53E-13	-8.64E-02	-2.06E-13	-1.68E-13	-6.83E-02	-1.27E-13	-8.03E-14	-1.61E-02	-5.16E-02	-1.55E-02	-4.63E-03	-1.40E-01	-1.39E-05	-5.96E-17
	Max	9.42E-01	5.10E-01	9.74E-01	3.14E-02	9.64E-01	1.30E-13	2.61E-02	4.90E-02	7.15E-03	1.08E-02	4.41E-13	3.04E-01	2.55E-13	1.39E-13	1.88E-02	6.51E-14	8.81E-14	3.66E-03	1.16E-02	3.21E-03	8.24E-04	2.86E-01	1.54E-01	2.56E-16
	Normalized peak height	1.17E-01	7.98E-02	1.05E-02	1.12E-02	2.62E-02	1.08E-01	4.72E-02	3.59E-02	6.40E-02	4.11E-02	3.20E-01	3.10E-02	6.82E-01	6.64E-01	3.43E-02	7.89E-02	1.12E-01	3.03E-02	2.15E-02	2.18E-02	8.70E-02	1.45E-02	4.20E-03	2.87E-01
	Peak sensitivity value	1.47E-03	1.23E-03	9.03E-01	2.46E-03	2.54E-02	-8.92E-17	2.33E-04	6.26E-04	5.39E-05	1.15E-04	-3.47E-16	5.07E-03	1.40E-16	-9.17E-17	-1.09E-03	-8.76E-17	-6.82E-17	-3.02E-04	-1.45E-03	-4.05E-04	-1.34E-05	-2.42E-02	6.31E-05	-2.18E-20
	Shapiro-Wilk score	5.562E-01	4.870E-01	7.002E-01	7.864E-01	4.992E-01	6.786E-01	5.089E-01	5.358E-01	4.919E-01	6.245E-01	7.410E-01	5.314E-01	2.469E-01	2.712E-01	5.442E-01	7.991E-01	7.115E-01	5.509E-01	5.747E-01	5.821E-01	4.565E-01	7.130E-01	9.896E-01	8.611E-01
(Pyruvate decarboxylase)	Local	1.16E-02	4.98E-03	9.03E-01	2.92E-03	3.54E-02	-8.93E-16	5.23E-04	1.14E-03	9.81E-05	2.96E-04	-6.66E-16	1.05E-02	0.00E+00	0.00E+00	-1.78E-03	-6.65E-16	1.91E-15	-4.28E-04	-2.23E-03	-6.32E-04	-5.04E-05	-2.40E-02	5.89E-02	2.91E-18
	Min	-1.53E-02	-9.46E-03	-3.23E-01	6.61E-05	9.90E-03	-1.23E-14	-3.42E-03	-8.01E-03	-7.43E-04	-2.89E-03	-5.71E-14	-1.03E-01	-2.90E-14	-1.48E-13	-6.74E-02	-1.33E-13	-5.68E-14	-1.43E-02	-4.92E-02	-1.66E-02	-4.08E-03	-1.31E-01	-1.22E-05	-7.94E-17
	Max	9.42E-01	5.05E-01	9.60E-01	2.81E-02	9.60E-01	1.37E-14	2.52E-02	4.02E-02	4.90E-03	8.49E-03	6.66E-14	3.00E-01	4.13E-14	2.94E-13	1.22E-02	7.58E-14	8.24E-14	2.62E-03	1.34E-02	3.27E-03	4.90E-04	2.95E-01	1.51E-01	1.98E-15
	Normalized peak height	1.23E-01	7.91E-02	1.25E-02	9.79E-03	2.57E-02	6.52E-02	4.21E-02	3.11E-02	4.43E-02	3.01E-02	1.19E-01	3.27E-02	4.82E-01	6.86E-01	3.20E-02	1.12E-01	1.03E-01	2.62E-02	2.09E-02	2.43E-02	7.12E-02	1.49E-02	3.99E-03	3.26E-01
	Peak sensitivity value	1.42E-03	1.09E-03	9.01E-01	2.47E-03	2.46E-02	-5.49E-18	2.81E-04	6.06E-04	4.43E-05	1.20E-04	-2.35E-16	4.45E-03	1.55E-17	-2.00E-16	-9.73E-04	3.28E-18	6.78E-17	-2.35E-04	-1.31E-03	-4.23E-04	-1.45E-05	-2.51E-02	2.14E-04	-9.49E-20
	Shapiro-Wilk score	5.543E-01	4.849E-01	7.006E-01	7.886E-01	5.013E-01	7.517E-01	4.950E-01	5.363E-01	4.916E-01	6.311E-01	6.380E-01	5.329E-01	3.963E-01	2.655E-01	5.404E-01	7.498E-01	6.961E-01	5.550E-01	5.753E-01	5.825E-01	4.599E-01	7.060E-01	9.897E-01	1.765E-01
(Alcohol dehydrogenase)	Local	1.01E-02	4.37E-03	7.92E-01	2.32E-03	2.81E-02	-3.80E-16	9.18E-03	2.01E-02	1.72E-03	5.20E-03	6.30E-16	1.84E-01	0.00E+00	0.00E+00	-3.13E-02	-1.84E-16	1.26E-15	-7.52E-03	-3.91E-02	-1.11E-02	-8.85E-04	-1.89E-02	5.21E-02	2.13E-18
	Min	-6.70E-04	-7.55E-04	-1.25E-01	-1.04E-03	-1.09E-02	-6.06E-15	5.27E-04	1.45E-03	1.29E-04	1.50E-04	-2.99E-14	2.50E-02	-4.34E-14	-1.24E-13	-1.76E-01	-5.42E-14	-5.01E-14	-3.99E-02	-1.36E-01	-3.50E-02	-1.14E-02	-1.22E-01	-4.24E-05	-3.88E-17
	Max	9.19E-01	4.51E-01	9.38E-01	2.80E-02	9.17E-01	8.15E-15	5.42E-02	1.01E-01	1.72E-02	5.26E-02	3.79E-14	8.59E-01	2.34E-14	8.87E-14	-2.38E-03	3.69E-14	3.53E-14	-7.74E-04	-7.92E-03	-2.29E-03	-1.83E-05	2.72E-01	1.45E-01	1.18E-16
	Normalized peak height	1.20E-01	7.70E-02	5.95E-03	1.14E-02	2.75E-02	3.96E-02	6.38E-03	5.15E-03	1.03E-02	1.05E-02	1.60E-01	5.66E-03	4.76E-01	6.07E-01	5.42E-03	6.57E-02	9.98E-02	5.60E-03	3.94E-03	3.67E-03	1.19E-02	1.32E-02	3.81E-03	2.77E-01
	Peak sensitivity value	1.63E-03	1.28E-03	4.58E-03	2.11E-03	2.20E-02	3.76E-18	4.52E-03	1.15E-02	8.39E-04	1.65E-03	2.36E-17	8.79E-02	-2.26E-17	-3.31E-17	-1.79E-02	-4.16E-17	-1.59E-17	-5.68E-03	-2.39E-02	-9.37E-03	-2.98E-04	-2.20E-02	1.76E-04	6.93E-21
	Shapiro-Wilk score	5.523E-01	4.671E-01	7.957E-01	7.999E-01	4.927E-01	7.739E-01	8.780E-01	9.085E-01	8.473E-01	8.134E-01	7.864E-01	8.457E-01	4.377E-01	3.030E-01	9.028E-01	7.659E-01	7.392E-01	9.085E-01	9.432E-01	9.522E-01	7.674E-01	7.310E-01	9.937E-01	9.096E-01
(Ethanol out)	Local	1.01E-02	4.37E-03	7.92E-01	2.32E-03	2.81E-02	-4.21E-16	9.18E-03	2.01E-02	1.72E-03	5.20E-03	5.13E-16	1.84E-01	2.37E-16	-8.88E-16	-3.13E-02	-1.07E-16	1.31E-15	-7.52E-03	-3.91E-02	-1.11E-02	-8.85E-04	-1.89E-02	5.21E-02	2.13E-18
	Min	-6.11E-03	-5.45E-03	-1.23E-01	-1.22E-03	-9.26E-03	-7.38E-15	5.59E-04	1.58E-03	1.19E-04	1.71E-04	-2.42E-14	2.75E-02	-2.50E-14	-9.33E-14	-1.72E-01	-5.87E-14	-5.63E-14	-3.94E-02	-1.30E-01	-3.55E-02	-1.13E-02	-1.42E-01	-6.85E-05	-8.07E-17
	Max	8.99E-01	4.42E-01	9.49E-01	2.49E-02	9.30E-01	7.63E-15	5.74E-02	1.14E-01	1.42E-02	4.64E-02	3.78E-14	8.82E-01	2.24E-14	7.28E-14	-2.56E-03	5.21E-14	4.50E-14	-8.05E-04	-8.15E-03	-2.47E-03	-1.96E-05	2.75E-01	1.51E-01	1.42E-16
	Normalized peak height	1.18E-01	7.76E-02	5.90E-03	1.06E-02	2.72E-02	1.73E-01	6.35E-03	5.81E-03	8.51E-03	9.27E-03	4.25E-01	5.32E-03	6.00E-02	4.53E-01	5.37E-03	8.13E-02	1.08E-01	5.26E-03	3.74E-03	3.99E-03	1.27E-02	1.38E-02	4.34E-03	2.78E-01
	Peak sensitivity value	1.58E-03	1.05E-03	4.96E-03	2.02E-03	2.31E-02	-3.29E-18	4.68E-03	1.38E-02	9.16E-04	2.04E-03	1.01E-17	7.92E-02	-2.28E-16	4.42E-19	-2.01E-02	-2.45E-17	-3.37E-17	-5.61E-03	-2.64E-02	-8.61E-03	-2.74E-04	-2.40E-02	1.59E-04	-8.10E-20
	Shapiro-Wilk score	5.508E-01	4.711E-01	7.954E-01	7.995E-01	4.941E-01	7.675E-01	8.810E-01	9.030E-01	8.529E-01	8.147E-01	7.277E-01	8.444E-01	8.752E-01	4.616E-01	8.997E-01	7.747E-01	7.417E-01	9.100E-01	9.449E-01	9.510E-01	7.747E-01	7.374E-01	9.935E-01	8.161E-01
(Ethanol flow)	Local	1.01E-02	4.37E-03	7.92E-01	2.32E-03	2.81E-02	-3.81E-16	9.18E-03	2.01E-02	1.72E-03	5.20E-03	-1.74E-16	1.84E-01	-3.41E-16	-1.11E-15	-3.13E-02	-1.73E-16	1.29E-15	-7.52E-03	-3.91E-02	-1.11E-02	-8.85E-04	-1.89E-02	5.21E-02	2.13E-18
	Min	-2.20E-02	-1.57E-02	-7.67E-02	-9.61E-04	-1.09E-02	-1.06E-14	5.64E-04	1.41E-03	1.35E-04	1.17E-04	-5.20E-14	2.23E-02	-2.35E-14	-1.01E-13	-1.87E-01	-3.01E-14	-5.09E-14	-3.96E-02	-1.30E-01	-3.63E-02	-1.06E-02	-1.17E-01	-3.73E-05	-1.24E-16
	Max	9.04E-01	4.50E-01	9.39E-01	2.79E-02	9.18E-01	9.25E-15	5.45E-02	1.14E-01	1.71E-02	5.01E-02	6.49E-14	8.59E-01	2.69E-14	6.62E-14	-2.37E-03	6.89E-14	4.66E-14	-9.70E-04	-8.90E-03	-2.01E-03	-2.14E-05	2.52E-01	1.46E-01	1.22E-16
	Normalized peak height	1.21E-01	7.79E-02	5.76E-03	1.15E-02	2.82E-02	7.36E-02	6.11E-03	6.18E-03	1.04E-02	1.03E-02	2.53E-01	5.34E-03	3.87E-01	1.06E-01	6.22E-03	7.38E-02	1.01E-01	5.25E-03	3.99E-03	3.96E-03	1.14E-02	1.25E-02	3.79E-03	2.83E-01
	Peak sensitivity value	1.62E-03	1.25E-03	5.06E-03	2.12E-03	2.12E-02	3.41E-18	5.23E-03	1.27E-02	8.75E-04	2.19E-03	3.82E-17	9.13E-02	-1.93E-17	-2.13E-16	-2.06E-02	4.08E-17	3.54E-17	-5.24E-03	-2.84E-02	-9.96E-03	-2.06E-04	-2.03E-02	3.55E-05	9.50E-21
	Shapiro-Wilk score	5.529E-01	4.760E-01	7.959E-01	8.057E-01	4.976E-01	7.363E-01	8.811E-01	9.065E-01	8.479E-01	8.161E-01	6.026E-01	8.474E-01	4.481E-01	4.538E-01	9.035E-01	7.739E-01	7.207E-01	9.094E-01	9.423E-01	9.505E-01	7.680E-01	7.477E-01	9.932E-01	8.644E-01
(Glycerol synthesis)	Local	2.51E-02	1.08E-02	1.96E+00	8.63E-03	1.04E-01	8.06E-15	-8.18E-02	-1.79E-01	-1.53E-02	-4.63E-02	1.65E-14	-1.64E+00	0.00E+00	0.00E+00	2.79E-01	8.97E-15	-6.51E-15	6.70E-02	3.48E-01	9.89E-02	7.89E-03	-7.27E-02	1.24E-01	1.03E-17
	Min	-3.23E-01	-2.84E-02	-2.06E+00	8.90E-05	2.57E-02	-1.22E-13	-3.82E-01	-4.52E-01	-5.28E-02	-2.53E-01	-5.81E-13	-3.08E+00	-5.24E-13	-3.46E-12	1.10E-02	-3.90E-13	-2.58E-13	3.68E-03	4.36E-02	5.47E-03	5.78E-04	-2.67E-01	-1.19E-02	-2.58E-16
	Max	3.07E+00	1.74E+00	3.25E+00	8.42E-02	2.69E+00	1.24E-13	-1.56E-03	-1.11E-02	-8.57E-04	-3.86E-04	4.71E-13	-6.37E-01	4.47E-13	2.09E-12	6.41E-01	6.98E-13	4.45E-13	2.40E-01	6.50E-01	2.98E-01	4.16E-02	6.75E-01	3.33E-01	6.00E-16
	Normalized peak height	1.67E-01	1.36E-01	1.14E-02	1.10E-02	2.69E-02	5.91E-02	4.32E-03	2.72E-03	4.43E-03	6.03E-03	2.30E-01	4.12E-03	6.32E-01	8.56E-01	2.58E-03	5.68E-02	6.98E-02	3.90E-03	3.27E-03	3.70E-03	5.63E-03	1.59E-02	5.26E-03	2.69E-01
	Peak sensitivity value	4.33E-03	2.51E-03	1.06E-02	7.03E-03	6.16E-02	1.85E-17	-6.91E-02	-1.44E-01	-1.03E-02	-2.30E-02	5.15E-16	-1.37E+00	-3.46E-16	-1.62E-15	2.85E-01	-3.33E-16	2.18E-16	5.17E-02	3.64E-01	9.50E-02	3.84E-03	-6.48E-02	3.23E-04	-1.80E-19
	Shapiro-Wilk score	5.575E-01	4.765E-01	8.793E-01	8.092E-01	5.145E-01	8.219E-01	9.459E-01	9.879E-01	9.516E-01	9.027E-01	6.069E-01	9.647E-01	2.983E-01	2.563E-01	9.923E-01	8.849E-01	8.591E-01	9.624E-01	9.976E-01	9.831E-01	8.983E-01	6.963E-01	9.869E-01	8.342E-01
(Glycerol out)	Local	2.51E-02	1.08E-02	1.96E+00	8.63E-03	1.04E-01	8.12E-15	-8.18E-02	-1.79E-01	-1.53E-02	-4.63E-02	1.55E-14	-1.64E+00	0.00E+00	0.00E+00	2.79E-01	9.24E-15	-6.55E-15	6.70E-02	3.48E-01	9.89E-02	7.89E-03	-7.27E-02	1.24E-01	1.03E-17
	Min	-1.37E-01	-3.54E-02	-2.68E-01	1.42E-04	2.37E-02	-1.12E-13	-3.60E-01	-4.66E-01	-5.39E-02	-2.71E-01	-4.80E-13	-3.12E+00	-4.47E-13	-2.36E-12	1.27E-02	-4.68E-13	-4.29E-13	3.62E-03	3.88E-02	5.17E-03	6.23E-04	-2.58E-01	-8.27E-03	-2.14E-16
	Max	3.02E+00	1.17E+00	3.34E+00	7.80E-02	2.84E+00	1.23E-13	-1.47E-03	-1.42E-02	-6.51E-04	-5.48E-04	4.22E-13	-7.00E-01	5.89E-13	2.67E-12	6.26E-01	4.64E-13	3.37E-13	2.32E-01	6.37E-01	2.85E-01	3.72E-02	6.32E-01	3.45E-01	4.29E-16
	Normalized peak height	1.83E-01	9.06E-02	8.61E-03	9.90E-03	2.88E-02	6.06E-02	4.16E-03	2.97E-03	4.47E-03	5.85E-03	2.27E-01	4.23E-03	6.78E-01	8.61E-01	2.48E-03	5.66E-02	6.80E-02	3.74E-03	3.19E-03	3.59E-03	5.20E-03	1.50E-02	4.87E-03	2.68E-01
	Peak sensitivity value	3.31E-03	2.73E-03	1.23E-02	6.33E-03	6.17E-02	6.46E-17	-5.55E-02	-1.77E-01	-1.04E-02	-2.61E-02	1.48E-18	-1.37E+00	-1.53E-16	5.76E-16	2.23E-01	1.58E-17	-3.83E-16	5.72E-02	3.33E-01	9.64E-02	4.37E-03	-7.12E-02	3.34E-05	-1.27E-19
	Shapiro-Wilk score	5.648E-01	4.734E-01	8.799E-01	8.102E-01	5.174E-01	8.199E-01	9.460E-01	9.879E-01	9.517E-01	9.041E-01	6.038E-01	9.636E-01	2.960E-01	2.652E-01	9.930E-01	8.878E-01	8.450E-01	9.617E-01	9.974E-01	9.829E-01	8.969E-01	6.821E-01	9.870E-01	8.628E-01
(Glycerol flow)	Local	2.51E-02	1.08E-02	1.96E+00	8.63E-03	1.04E-01	8.14E-15	-8.18E-02	-1.79E-01	-1.53E-02	-4.63E-02	1.49E-14	-1.64E+00	0.00E+00	0.00E+00	2.79E-01	9.72E-15	-6.66E-15	6.70E-02	3.48E-01	9.89E-02	7.89E-03	-7.27E-02	1.24E-01	1.03E-17
	Min	-7.83E-02	-3.97E-02	-7.29E-01	4.75E-05	2.29E-02	-1.20E-13	-3.97E-01	-4.69E-01	-5.25E-02	-2.32E-01	-7.23E-13	-3.14E+00	-4.96E-13	-5.39E-12	1.20E-02	-4.19E-13	-3.34E-13	3.65E-03	3.61E-02	6.19E-03	5.79E-04	-2.99E-01	-9.06E-03	-4.21E-16
	Max	3.04E+00	1.34E+00	3.40E+00	7.89E-02	2.82E+00	8.61E-14	-1.39E-03	-1.40E-02	-4.24E-04	-6.31E-04	1.01E-12	-7.42E-01	4.46E-13	2.74E-12	6.34E-01	5.75E-13	3.34E-13	2.33E-01	6.50E-01	2.78E-01	4.01E-02	6.72E-01	3.26E-01	9.57E-16
	Normalized peak height	1.54E-01	1.10E-01	9.89E-03	9.80E-03	2.86E-02	5.74E-02	4.39E-03	2.90E-03	4.92E-03	5.19E-03	2.86E-01	4.06E-03	6.29E-01	8.62E-01	2.48E-03	5.70E-02	6.47E-02	3.81E-03	3.13E-03	3.35E-03	5.83E-03	1.69E-02	5.94E-03	2.70E-01
	Peak sensitivity value	4.28E-03	2.32E-03	8.44E-03	6.24E-03	6.34E-02	1.10E-17	-6.84E-02	-1.93E-01	-1.08E-02	-3.03E-02	4.41E-16	-1.34E+00	-2.33E-16	1.21E-15	2.01E-01	1.24E-16	-5.65E-17	5.71E-02	3.74E-01	9.51E-02	3.68E-03	-6.44E-02	1.67E-04	1.05E-19
	Shapiro-Wilk score	5.621E-01	4.762E-01	8.786E-01	8.191E-01	5.120E-01	8.382E-01	9.453E-01	9.883E-01	9.523E-01	9.039E-01	5.725E-01	9.648E-01	3.100E-01	2.437E-01	9.929E-01	8.874E-01	8.477E-01	9.604E-01	9.976E-01	9.840E-01	8.946E-01	6.929E-01	9.873E-01	7.763E-01

(Acetaldehyde out) Local Min Max Normalized peak height Peak sensitivity value Shapiro-Wilk score	2.51E-02 -7.03E-02 2.91E+00 1.90E-01 2.65E-03 5.620E-01	1.08E-02 -8.15E-02 1.47E+00 1.11E-01 3.06E-03 4.768E-01	1.96E+00 -2.27E-01 3.20E+00 8.56E-03 7.79E-03 8.778E-01	8.63E-03 1.20E-04 7.66E-02 9.90E-03 6.43E-03 8.156E-01	1.04E-01 2.47E-02 2.63E+00 2.64E-02 6.26E-02 5.128E-01	-5.92E-15 -8.03E-14 1.15E-13 8.52E-02 -5.84E-17 7.895E-01	-8.18E-02 -4.17E-01 -1.15E-03 4.73E-03 -5.17E-02 9.480E-01	-1.79E-01 -4.51E-01 -1.49E-02 2.76E-03 -1.56E-01 9.881E-01	-1.53E-02 -5.77E-02 -4.28E-04 4.73E-03 -1.01E-02 9.504E-01	-4.63E-02 -2.46E-01 -3.49E-04 5.66E-03 -2.19E-02 9.016E-01	4.56E-21 -6.95E-13 4.75E-13 3.73E-01 1.80E-16 6.619E-01	-1.64E+00 -2.98E+00 -7.86E-01 3.68E-03 -1.37E+00 9.660E-01	0.00E+00 -4.31E-13 8.05E-13 7.27E-01 8.79E-17 3.261E-01	0.00E+00 -1.88E-12 3.21E-12 8.59E-01 7.38E-16 2.245E-01	2.79E-01 1.10E-02 6.23E-01 2.52E-03 2.35E-01 9.932E-01	-5.24E-15 -2.68E-13 2.24E-13 3.75E-02 -2.41E-16 9.075E-01	8.08E-15 -2.21E-13 5.04E-13 8.50E-02 1.16E-16 8.468E-01	6.70E-02 4.28E-03 2.25E-01 3.59E-03 5.60E-02 9.616E-01	3.48E-01 3.97E-02 6.32E-01 2.94E-03 3.39E-01 9.972E-01	9.89E-02 7.47E-03 2.95E-01 3.50E-03 8.44E-02 9.833E-01	7.89E-03 5.70E-04 4.05E-02 5.51E-03 4.66E-03 8.979E-01	-7.27E-02 -2.77E-01 7.21E-01 1.72E-02 -6.56E-02 6.978E-01	1.24E-01 -9.46E-03 3.74E-01 6.07E-03 3.18E-04 9.866E-01	1.03E-17 -2.93E-16 2.20E-15 2.80E-01 -3.12E-19 5.531E-01
(Acetaldehyde flow) Local Min Max Normalized peak height Peak sensitivity value Shapiro-Wilk score	2.55E-02 -2.44E-01 3.18E+00 1.70E-01 4.18E-03 5.641E-01	1.10E-02 -4.62E-02 1.42E+00 1.07E-01 1.51E-03 4.752E-01	1.99E+00 -7.23E-01 3.50E+00 9.40E-03 1.02E-02 8.858E-01	8.78E-03 1.01E-04 8.16E-02 9.64E-03 5.68E-03 8.053E-01	1.06E-01 2.61E-02 2.68E+00 2.72E-02 6.19E-02 5.121E-01	-5.73E-15 -9.90E-14 9.01E-14 6.70E-02 2.97E-17 7.721E-01	-8.32E-02 -4.28E-01 -1.74E-03 4.73E-03 -6.55E-02 9.482E-01	-1.82E-01 -4.71E-01 -1.04E-02 2.95E-03 -1.60E-01 9.885E-01	-1.56E-02 -5.38E-02 -7.11E-04 4.26E-03 -1.32E-02 9.495E-01	-4.71E-02 -2.55E-01 -6.28E-04 5.65E-03 -2.39E-02 9.052E-01	-8.63E-15 -4.59E-13 3.80E-13 2.46E-01 -2.61E-16 5.409E-01	-1.67E+00 -3.21E+00 -6.43E-01 4.28E-03 -1.30E+00 9.619E-01	0.00E+00 -4.17E-13 3.85E-13 6.03E-01 3.56E-16 2.640E-01	0.00E+00 -2.56E-12 2.49E-12 8.60E-01 6.36E-16 2.136E-01	2.84E-01 1.45E-02 6.37E-01 2.54E-03 2.85E-01 9.934E-01	-5.10E-15 -2.28E-13 2.14E-13 4.56E-02 1.77E-17 9.076E-01	7.94E-15 -2.60E-13 4.57E-13 7.47E-02 3.50E-16 8.332E-01	6.82E-02 4.14E-03 2.38E-01 3.99E-03 5.54E-02 9.608E-01	5.75E-01 1.64E-01 8.51E-01 3.28E-03 5.54E-01 9.873E-01	-1.21E-01 -2.86E-01 -3.52E-02 3.26E-03 -1.20E-01 9.818E-01	-9.62E-03 -1.26E-01 -3.25E-04 1.13E-02 -3.52E-03 7.554E-01	-7.39E-02 -2.68E-01 6.97E-01 1.68E-02 -6.65E-02 6.867E-01	1.27E-01 -2.92E-02 3.19E-01 5.89E-03 2.37E-04 9.862E-01	1.05E-17 -1.73E-16 1.68E-15 2.73E-01 -4.01E-20 6.422E-01
(Cyanide-Acetaldehyde flow) Local Min Max Normalized peak height Peak sensitivity value Shapiro-Wilk score	2.36E-02 -4.00E-02 2.68E+00 1.80E-01 2.18E-03 5.606E-01	1.02E-02 -3.88E-02 1.27E+00 1.04E-01 2.47E-03 4.798E-01	1.85E+00 -3.14E-01 2.99E+00 8.42E-03 1.18E-02 8.581E-01	8.13E-03 8.05E-05 7.33E-02 1.03E-02 5.83E-03 8.193E-01	9.84E-02 2.51E-02 2.62E+00 2.83E-02 6.02E-02 5.147E-01	-5.30E-15 -9.51E-14 9.59E-14 6.72E-02 8.28E-17 7.680E-01	-7.71E-02 -3.45E-01 -1.30E-03 3.89E-03 -5.38E-02 9.465E-01	-1.69E-01 -4.29E-01 -8.17E-03 2.73E-03 -1.65E-01 9.872E-01	-1.45E-02 -5.03E-02 -5.79E-04 4.35E-03 -1.21E-02 9.511E-01	-4.36E-02 -2.37E-01 -3.75E-04 5.69E-03 -1.66E-02 9.052E-01	-8.00E-15 -3.52E-13 3.65E-13 2.29E-01 3.58E-16 5.573E-01	-1.54E+00 -2.90E+00 -4.92E-01 4.69E-03 -1.34E+00 9.707E-01	0.00E+00 -4.08E-13 5.35E-13 6.82E-01 -8.27E-17 2.608E-01	0.00E+00 -2.95E-12 1.70E-12 7.85E-01 1.90E-15 2.077E-01	2.63E-01 9.56E-03 5.91E-01 2.42E-03 3.20E-01 9.919E-01	-4.73E-15 -2.54E-13 2.68E-13 5.16E-02 -9.40E-17 9.033E-01	7.34E-15 -1.51E-13 1.96E-13 5.89E-02 1.43E-16 8.652E-01	6.31E-02 2.98E-03 2.18E-01 3.73E-03 4.85E-02 9.638E-01	-3.93E-01 -7.03E-01 -1.39E-01 3.11E-03 -3.79E-01 9.965E-01	8.14E-01 4.48E-01 9.52E-01 4.04E-03 8.35E-01 9.619E-01	6.50E-02 6.84E-03 4.34E-01 6.91E-03 3.44E-02 8.554E-01	-6.85E-02 -2.66E-01 6.81E-01 1.70E-02 -6.20E-02 6.994E-01	1.17E-01 -1.42E-02 3.02E-01 6.62E-03 1.90E-04 9.861E-01	9.70E-18 -3.01E-16 6.87E-16 2.70E-01 -2.27E-19 8.407E-01
(Cyanide flow) Local Min Max Normalized peak height Peak sensitivity value Shapiro-Wilk score	2.36E-02 -5.59E-02 2.61E+00 1.40E-01 3.99E-03 5.600E-01	1.02E-02 -6.80E-02 1.16E+00 9.74E-02 2.59E-03 4.767E-01	1.85E+00 -1.22E-01 3.10E+00 7.75E-03 8.49E-03 8.595E-01	8.13E-03 7.83E-05 7.00E-02 9.38E-03 5.92E-03 8.173E-01	9.84E-02 2.35E-02 2.51E+00 2.80E-02 6.20E-02 5.154E-01	-5.36E-15 -7.20E-14 6.87E-14 5.77E-02 -1.15E-17 7.864E-01	-7.71E-02 -3.49E-01 -7.75E-04 4.20E-03 -5.50E-02 9.472E-01	-1.69E-01 -4.31E-01 -1.22E-02 2.96E-03 -1.59E-01 9.876E-01	-1.45E-02 -5.81E-02 -3.38E-04 5.47E-03 -1.04E-02 9.501E-01	-4.36E-02 -2.17E-01 -3.72E-04 5.20E-03 -2.19E-02 9.072E-01	-7.92E-15 -4.09E-13 3.80E-13 2.64E-01 -3.84E-16 5.505E-01	-1.54E+00 -3.07E+00 -6.20E-01 4.91E-03 -1.20E+00 9.694E-01	0.00E+00 -3.39E-13 3.85E-13 6.24E-01 1.11E-16 2.559E-01	0.00E+00 -1.65E-12 1.69E-12 6.70E-01 1.61E-15 2.332E-01	2.63E-01 7.46E-03 6.04E-01 2.56E-03 2.67E-01 9.928E-01	-4.59E-15 -2.21E-13 2.21E-13 4.49E-02 2.05E-16 9.045E-01	7.47E-15 -1.25E-13 1.53E-13 5.84E-02 6.42E-17 8.689E-01	6.31E-02 3.46E-03 2.31E-01 4.29E-03 5.60E-02 9.618E-01	-3.93E-01 -7.11E-01 -1.35E-01 3.22E-03 -3.53E-01 9.966E-01	8.14E-01 4.56E-01 9.51E-01 3.87E-03 8.33E-01 9.615E-01	6.50E-02 7.00E-03 4.38E-01 7.24E-03 3.61E-02 8.551E-01	-6.85E-02 -3.06E-01 6.29E-01 1.69E-02 -6.52E-02 6.970E-01	1.17E-01 -6.09E-03 3.25E-01 5.44E-03 2.33E-05 9.874E-01	9.70E-18 -4.81E-16 5.09E-16 2.71E-01 -1.85E-19 8.739E-01
(Storage) Local Min Max Normalized peak height Peak sensitivity value Shapiro-Wilk score	1.21E-02 -2.26E-02 1.19E+00 1.19E-01 1.11E-03 5.650E-01	5.20E-03 -2.50E-02 5.32E-01 7.48E-02 1.44E-03 5.191E-01	9.43E-01 -3.37E-01 1.31E+00 6.36E-03 1.04E+00 7.983E-01	-1.53E-03 -1.56E-02 2.33E-02 1.20E-02 -1.24E-03 8.942E-01	-1.85E-02 -6.22E-01 8.94E-01 3.81E-02 -1.48E-02 4.912E-01	-1.69E-15 -3.26E-14 7.20E-14 6.74E-02 7.14E-18 7.928E-01	9.90E-03 4.39E-04 6.82E-02 7.44E-03 5.35E-03 8.924E-01	2.16E-02 1.52E-03 9.84E-02 4.54E-03 1.32E-02 9.159E-01	1.86E-03 1.25E-04 1.26E-02 7.29E-03 8.31E-04 8.558E-01	5.60E-03 1.56E-04 5.73E-02 1.05E-02 2.13E-03 8.092E-01	-3.99E-15 -3.24E-13 1.98E-13 2.44E-01 2.36E-16 5.879E-01	1.98E-01 2.57E-02 9.05E-01 5.54E-03 9.55E-02 8.559E-01	0.00E+00 -3.07E-13 1.43E-13 5.82E-01 -1.56E-16 2.732E-01	0.00E+00 -3.95E-13 3.05E-13 6.39E-01 2.52E-16 2.675E-01	-3.37E-02 -2.12E-01 -2.79E-03 6.18E-03 -2.05E-02 9.074E-01	-2.74E-15 -2.77E-13 1.67E-13 7.55E-02 -5.76E-17 7.796E-01	-1.38E-16 -2.09E-13 1.64E-13 9.05E-02 -2.32E-17 7.583E-01	-8.11E-03 -3.62E-02 -1.01E-03 4.34E-03 -6.23E-03 9.201E-01	-4.21E-02 -1.22E-01 -8.77E-03 3.43E-03 -2.95E-02 9.516E-01	-1.20E-02 -3.72E-02 -2.48E-03 3.88E-03 -9.02E-03 9.539E-01	-9.55E-04 -1.23E-02 -1.70E-05 1.22E-02 -2.31E-04 7.767E-01	1.62E-02 -6.60E-02 3.38E-01 1.15E-02 1.87E-02 7.077E-01	-9.65E-02 -3.47E-01 -1.09E-02 3.94E-03 -9.40E-02 9.665E-01	-1.73E-18 -1.12E-16 4.66E-17 2.86E-01 -6.43E-20 8.227E-01
(ATP consumption) Local Min Max Normalized peak height Peak sensitivity value Shapiro-Wilk score	-1.59E-03 -1.02E+01 3.52E-01 6.26E-01 -1.55E-03 2.922E-01	-6.83E-04 -1.38E+00 4.28E-01 4.13E-01 6.58E-04 3.395E-01	-1.24E-01 -9.61E+00 1.83E+00 1.01E-01 -2.58E-03 4.515E-01	2.57E-02 8.75E-05 1.60E-01 7.18E-03 1.90E-02 9.242E-01	3.11E-01 9.31E-02 1.12E+01 4.16E-02 1.99E-01 5.561E-01	-8.56E-16 -6.55E-14 1.07E-13 1.93E-01 -7.48E-17 5.028E-01	4.80E-03 2.89E-04 1.93E-01 3.17E-02 2.31E-03 5.728E-01	1.05E-02 6.84E-04 3.36E-01 2.43E-02 5.22E-03 6.133E-01	9.01E-04 4.97E-05 4.61E-02 4.10E-02 3.49E-04 5.662E-01	2.72E-03 1.09E-04 7.21E-02 2.22E-02 1.01E-03 6.599E-01	-2.17E-15 -1.79E-13 4.02E-13 3.20E-01 -1.25E-16 3.686E-01	9.61E-02 9.98E-03 3.02E+00 2.81E-02 4.16E-02 6.062E-01	0.00E+00 -2.00E-13 1.75E-13 6.80E-01 -3.52E-17 1.880E-01	0.00E+00 -7.84E-13 5.43E-13 8.30E-01 -3.39E-17 1.576E-01	-1.64E-02 -4.78E-01 -1.20E-03 2.19E-02 -1.10E-02 6.149E-01	-1.37E-15 -1.21E-12 3.40E-13 2.48E-01 5.94E-16 4.516E-01	-6.97E-17 -5.56E-13 3.00E-13 2.45E-01 -7.01E-17 4.674E-01	-3.93E-03 -1.34E-01 -3.69E-04 2.51E-02 -2.58E-03 6.192E-01	-2.04E-02 -4.33E-01 -3.48E-03 1.78E-02 -1.19E-02 6.470E-01	-5.81E-03 -1.38E-01 -9.51E-04 2.04E-02 -3.62E-03 6.460E-01	-4.63E-04 -2.63E-02 -8.67E-06 4.70E-02 -1.01E-04 5.390E-01	-2.32E-01 -1.14E+00 2.76E-01 1.02E-02 -2.30E-01 7.848E-01	9.53E-01 5.39E-01 9.82E-01 8.42E-03 9.58E-01 7.953E-01	2.55E-17 -2.70E-15 1.68E-15 3.03E-01 1.58E-18 6.933E-01
(Adenylate kinase) Local Min Max Normalized peak height Peak sensitivity value Shapiro-Wilk score	-INF -INF INF NA NAN NA	-INF -INF INF NA NAN NA	-INF -INF INF NA NAN NA	-INF -INF INF NA NAN NA	-INF -INF INF NA NAN NA	-INF -INF INF NA NAN NA	-INF -INF INF NA NAN NA	-INF -INF INF NA NAN NA	-INF -INF INF NA NAN NA	-INF -INF INF NA NAN NA	-INF -INF INF NA NAN NA	-INF -INF INF NA NAN NA	-INF -INF INF NA NAN NA	-INF -INF INF NA NAN NA	-INF -INF INF NA NAN NA	-INF -INF INF NA NAN NA	-INF -INF INF NA NAN NA	-INF -INF INF NA NAN NA	-INF -INF INF NA NAN NA	-INF -INF INF NA NAN NA	-INF -INF INF NA NAN NA	-INF -INF INF NA NAN NA	-INF -INF INF NA NAN NA	-INF -INF INF NA NAN NA

Table S30: Flux control coefficients for *Saccharomyces cerevisiae* model with parameter variation of ±50%

	(GlucoseMixedflowtoextracellularmedium)	(Glucoseuptake)	(Hexokinase)	(Phosphoglucoisomerase)	(Phosphofructokinase)	(Aldolase)	(Triosephosphateisomerase)	(Glyceraldehyde3-phosphatedehydrogenase)	(Phosphoenolpyruvatesynthesis)	(Pyruvatekinase)	(Pyruvatedecarboxylase)	(Alcoholdehydrogenase)	(Ethanolout)	(Ethanolflow)	(Glycerolsynthesis)	(Glycerolout)	(Glycerolflow)	(Acetaldehydeout)	(Acetaldehydeflow)	(Cyanide-Acetaldehydeflow)	(Cyanideflow)	(Storage)	(ATPconsumption)	(Adenylatekinase)
(Glucose Mixed flow to extra-cellular medium) Local Min Max Normalized peak height Peak sensitivity value Shapiro-Wilk score	1.25E-02 -9.45E-02 9.95E-01 1.37E-01 8.87E-04 5.956E-01	5.36E-03 -3.87E-02 5.75E-01 8.12E-02 9.12E-04 5.213E-01	9.73E-01 -5.92E-01 1.15E+00 4.01E-02 1.00E+00 7.356E-01	1.37E-03 1.02E-05 4.44E-02 2.06E-02 7.42E-04 6.315E-01	1.65E-02 2.27E-04 1.00E+00 3.77E-02 7.74E-03 5.599E-01	-3.45E-17 -3.13E-14 2.22E-13 7.97E-01 -5.31E-17 1.084E-01	2.30E-04 -8.37E-03 3.63E-02 1.23E-01 5.69E-05 5.012E-01	5.02E-04 -2.05E-02 4.89E-02 7.94E-02 1.48E-04 5.518E-01	4.31E-05 -1.91E-03 9.68E-03 1.63E-01 8.34E-06 4.654E-01	1.30E-04 -9.27E-03 1.25E-02 1.25E-01 1.90E-05 5.408E-01	-8.14E-17 -4.08E-14 6.92E-14 6.17E-01 -4.39E-17 1.901E-01	4.60E-03 -2.07E-01 3.04E-01 7.81E-02 1.09E-03 5.698E-01	0.00E+00 -7.10E-14 3.82E-14 6.96E-01 4.95E-17 1.041E-01	0.00E+00 -2.26E-13 1.97E-13 8.60E-01 1.77E-18 1.018E-01	-7.83E-04 -7.46E-02 3.10E-02 7.16E-02 -1.84E-04 5.522E-01	-6.35E-17 -9.93E-14 1.08E-13 3.84E-01 -1.03E-16 3.453E-01	-5.80E-18 -7.09E-14 1.62E-13 4.77E-01 -1.11E-16 2.855E-01	-1.88E-04 -2.11E-02 7.81E-03 7.93E-02 -5.31E-05 5.602E-01	-9.78E-04 -5.99E-02 2.76E-02 4.81E-02 -3.57E-04 6.128E-01	-2.78E-04 -1.80E-02 6.97E-03 4.65E-02 -1.35E-04 6.061E-01	-2.22E-05 -6.61E-03 1.69E-03 2.49E-01 -5.42E-06 4.472E-01	-9.81E-03 -1.82E-01 3.67E-01 2.34E-02 -6.98E-03 6.490E-01	-2.24E-03 -5.94E-02 8.63E-02 2.37E-02 -1.75E-03 8.214E-01	1.36E-18 -4.96E-17 9.18E-17 2.74E-01 -5.62E-20 7.228E-01
(Glucose uptake) Local Min Max Normalized peak height Peak sensitivity value Shapiro-Wilk score	1.25E-02 -2.87E-02 9.96E-01 1.14E-01 1.52E-03 5.912E-01	5.36E-03 -4.55E-02 5.78E-01 8.16E-02 9.41E-04 5.170E-01	9.73E-01 -1.86E-01 1.02E+00 2.93E-02 9.99E-01 7.336E-01	1.37E-03 8.55E-06 4.62E-02 2.18E-02 5.86E-04 6.265E-01	1.65E-02 2.41E-04 9.68E-01 3.73E-02 8.47E-03 5.572E-01	-2.20E-17 -4.48E-14 3.19E-14 3.87E-01 2.20E-17 3.376E-01	2.30E-04 -1.17E-02 3.01E-02 1.16E-01 7.01E-05 4.987E-01	5.02E-04 -1.37E-02 4.80E-02 7.10E-02 1.60E-04 5.512E-01	4.31E-05 -1.74E-03 1.05E-02 1.81E-01 1.26E-05 4.518E-01	1.30E-04 -1.10E-02 1.40E-02 1.40E-01 2.79E-05 5.349E-01	-8.36E-17 -5.26E-14 5.96E-13 6.32E-01 3.15E-16 4.561E-02	4.60E-03 -2.23E-01 3.14E-01 7.91E-02 1.15E-03 5.649E-01	0.00E+00 -3.42E-14 8.06E-14 6.55E-01 -5.46E-17 1.060E-01	0.00E+00 -1.75E-13 1.55E-13 8.17E-01 9.69E-17 1.096E-01	-7.83E-04 -7.33E-02 2.34E-02 6.89E-02 -2.18E-04 5.528E-01	-6.57E-17 -8.55E-14 1.02E-13 4.82E-01 -6.39E-17 3.386E-01	-3.32E-18 -9.99E-14 7.96E-14 6.00E-01 1.22E-17 3.002E-01	-1.88E-04 -1.87E-02 5.37E-03 6.60E-02 -6.15E-05 5.574E-01	-9.78E-04 -5.87E-02 2.96E-02 4.85E-02 -4.03E-04 6.061E-01	-2.78E-04 -1.85E-02 7.53E-03 4.76E-02 -1.24E-04 5.981E-01	-2.22E-05 -5.77E-03 1.36E-03 2.30E-01 -1.74E-06 4.441E-01	-9.81E-03 -1.84E-01 3.71E-01 2.35E-02 -8.61E-03 6.483E-01	-2.24E-03 -5.30E-02 8.00E-02 2.17E-02 -1.49E-03 8.195E-01	1.36E-18 -5.97E-17 1.09E-15 4.18E-01 5.46E-19 1.992E-01
(Hexokinase) Local Min Max Normalized peak height Peak sensitivity value Shapiro-Wilk score	1.25E-02 -8.55E-03 9.95E-01 1.34E-01 9.87E-04 5.884E-01	5.36E-03 -2.45E-02 5.61E-01 7.78E-02 9.59E-04 5.173E-01	9.73E-01 -3.94E-01 1.02E+00 3.22E-02 1.00E+00 7.331E-01	1.37E-03 6.53E-06 4.77E-02 2.26E-02 7.45E-04 6.210E-01	1.65E-02 3.47E-04 9.75E-01 3.79E-02 7.66E-03 5.610E-01	-4.14E-17 -3.38E-14 3.73E-13 7.23E-01 1.70E-16 6.077E-02	2.30E-04 -1.10E-02 2.80E-02 1.08E-01 5.45E-05 5.068E-01	5.02E-04 -1.92E-02 4.97E-02 7.81E-02 1.43E-04 5.545E-01	4.31E-05 -1.60E-03 8.06E-03 1.32E-01 1.63E-05 4.633E-01	1.30E-04 -9.18E-03 1.45E-02 1.26E-01 3.52E-05 5.353E-01	-1.06E-16 -6.27E-14 3.29E-13 6.67E-01 -1.75E-16 1.032E-01	4.60E-03 -1.89E-01 3.04E-01 7.10E-02 9.53E-04 5.697E-01	0.00E+00 -5.83E-14 3.62E-14 7.87E-01 -1.98E-18 1.155E-01	0.00E+00 -1.57E-13 3.11E-13 8.52E-01 -1.08E-16 9.901E-02	-7.83E-04 -9.45E-02 2.86E-02 8.32E-02 -2.28E-04 5.580E-01	-6.57E-17 -1.29E-13 8.37E-14 5.47E-01 -2.76E-17 3.424E-01	-3.32E-18 -5.37E-14 2.02E-13 4.97E-01 1.18E-16 2.605E-01	-1.88E-04 -2.16E-02 6.33E-03 7.54E-02 -5.98E-05 5.593E-01	-9.78E-04 -5.96E-02 2.01E-02 4.25E-02 -4.57E-04 6.149E-01	-2.78E-04 -1.99E-02 6.43E-03 4.93E-02 -8.82E-05 6.074E-01	-2.22E-05 -5.44E-03 2.17E-03 1.90E-01 2.30E-07 4.470E-01	-9.81E-03 -2.13E-01 3.55E-01 2.33E-02 -8.54E-03 6.484E-01	-2.24E-03 -6.05E-02 6.89E-02 2.14E-02 -1.56E-03 8.221E-01	1.36E-18 -4.57E-17 9.44E-17 2.72E-01 2.87E-20 7.239E-01

(Phosphoglucoisomerase)																								
Local	1.27E-02	5.48E-03	9.94E-01	3.42E-03	4.14E-02	4.62E-16	-6.63E-03	-1.45E-02	-1.24E-03	-3.75E-03	2.63E-15	-1.33E-01	0.00E+00	0.00E+00	2.26E-02	1.83E-15	9.24E-17	5.43E-03	2.82E-02	8.02E-03	6.39E-04	-2.82E-02	6.46E-02	3.55E-18
Min	-2.87E-02	-3.31E-02	-3.10E-01	6.92E-06	8.59E-03	-5.19E-14	-4.59E-02	-5.74E-02	-8.62E-03	-3.60E-02	-9.12E-14	-5.34E-01	-1.90E-13	-4.06E-13	-5.58E-04	-1.15E-13	-9.50E-14	-1.22E-04	-7.90E-04	-1.05E-04	-1.57E-05	-2.19E-01	-4.86E-04	-8.53E-17
Max	1.29E+00	6.46E-01	1.31E+00	6.94E-02	1.06E+00	2.70E-14	1.13E-04	4.53E-04	3.14E-05	1.69E-05	7.01E-14	5.83E-03	6.25E-14	3.59E-13	8.78E-02	1.39E-13	9.64E-14	3.06E-02	8.53E-02	2.59E-02	6.42E-03	3.89E-01	2.08E-01	1.63E-16
Normalized peak height	1.84E-01	9.19E-02	2.55E-02	1.58E-02	2.05E-02	9.11E-02	1.78E-02	1.41E-02	1.77E-02	4.19E-02	3.24E-01	1.16E-02	5.22E-01	6.23E-01	1.16E-02	1.77E-01	1.91E-01	1.85E-02	8.80E-03	1.09E-02	1.89E-02	1.52E-02	2.25E-02	2.95E-01
Peak sensitivity value	9.41E-04	1.16E-03	1.67E-03	2.75E-03	2.81E-02	3.85E-17	-4.75E-05	-3.87E-05	-7.50E-06	-1.13E-06	2.41E-17	-3.84E-04	1.79E-17	-2.93E-16	1.05E-04	1.72E-17	2.49E-17	1.64E-05	2.79E-05	1.17E-05	3.88E-07	-4.41E-04	3.39E-05	1.12E-19
Shapiro-Wilk score	5.927E-01	4.972E-01	7.828E-01	7.289E-01	5.879E-01	8.716E-01	8.688E-01	9.396E-01	8.534E-01	7.685E-01	5.700E-01	9.000E-01	3.656E-01	3.408E-01	9.329E-01	7.144E-01	6.593E-01	9.220E-01	9.861E-01	9.781E-01	7.424E-01	7.175E-01	9.831E-01	8.654E-01
(Phosphofructokinase)																								
Local	1.27E-02	5.48E-03	9.94E-01	3.42E-03	4.14E-02	1.39E-15	-6.63E-03	-1.45E-02	-1.24E-03	-3.75E-03	3.85E-15	-1.33E-01	0.00E+00	0.00E+00	2.26E-02	2.02E-15	1.13E-16	5.43E-03	2.82E-02	8.02E-03	6.39E-04	-2.82E-02	6.46E-02	3.55E-18
Min	-9.22E-02	-1.85E-01	-9.61E-02	7.92E-06	8.94E-03	-1.95E-14	-4.80E-02	-6.48E-02	-8.63E-03	-3.61E-02	-1.00E-13	-5.63E-01	-6.14E-14	-3.00E-13	-9.35E-06	-1.32E-13	-9.26E-14	-1.33E-06	-9.95E-06	-3.49E-06	-5.07E-07	-2.49E-01	-1.91E-06	-6.91E-17
Max	1.26E+00	6.16E-01	1.33E+00	5.71E-02	1.00E+00	2.52E-14	9.71E-07	7.50E-06	5.48E-07	2.20E-07	9.92E-14	6.69E-05	6.84E-14	3.27E-13	9.82E-02	1.08E-13	1.07E-13	2.58E-02	7.34E-02	2.50E-02	8.05E-03	3.55E-01	2.04E-01	1.22E-16
Normalized peak height	1.56E-01	1.07E-01	2.27E-02	1.26E-02	1.87E-02	8.47E-02	2.78E-02	1.43E-02	2.24E-02	5.45E-02	3.62E-01	1.24E-02	4.60E-01	6.31E-01	1.61E-02	1.81E-01	1.73E-01	1.58E-02	7.70E-03	9.93E-03	3.14E-02	1.67E-02	2.76E-02	3.03E-01
Peak sensitivity value	1.52E-03	1.19E-03	1.78E-03	2.66E-03	2.63E-02	-2.14E-17	-2.30E-05	-2.49E-05	-3.77E-06	-1.78E-05	3.41E-17	-2.15E-04	-2.94E-17	-2.07E-16	3.98E-05	-2.02E-17	-8.86E-17	1.16E-05	1.00E-04	8.99E-06	3.52E-06	-1.21E-04	1.00E-04	-6.33E-21
Shapiro-Wilk score	5.958E-01	5.010E-01	7.828E-01	7.311E-01	5.912E-01	7.793E-01	8.678E-01	9.366E-01	8.578E-01	7.582E-01	5.773E-01	9.018E-01	3.924E-01	3.440E-01	9.316E-01	7.199E-01	6.702E-01	9.271E-01	9.859E-01	9.784E-01	7.378E-01	7.163E-01	9.834E-01	8.820E-01
(Aldolase)																								
Local	1.27E-02	5.48E-03	9.94E-01	3.42E-03	4.14E-02	1.11E-15	-6.63E-03	-1.45E-02	-1.24E-03	-3.75E-03	-1.02E-14	-1.33E-01	0.00E+00	0.00E+00	2.26E-02	3.98E-16	1.24E-16	5.43E-03	2.82E-02	8.02E-03	6.39E-04	-2.82E-02	6.46E-02	3.55E-18
Min	-1.15E-01	-3.13E-02	-1.35E-01	6.03E-06	8.64E-03	-1.53E-13	-5.34E-02	-7.32E-02	-8.52E-03	-3.44E-02	-1.69E-13	-6.05E-01	-9.07E-14	-3.98E-13	-8.74E-05	-2.88E-13	-1.08E-13	-3.48E-05	-3.46E-04	-6.40E-05	-7.37E-06	-2.22E-01	-4.27E-05	-1.36E-16
Max	1.25E+00	6.35E-01	1.29E+00	6.26E-02	1.02E+00	9.08E-14	1.17E-05	6.77E-05	1.33E-05	1.97E-06	2.01E-13	1.85E-03	1.05E-13	4.33E-13	1.06E-01	1.46E-13	8.97E-14	2.51E-02	8.06E-02	2.89E-02	7.84E-03	3.74E-01	1.94E-01	3.38E-16
Normalized peak height	1.82E-01	9.14E-02	2.42E-02	1.38E-02	2.01E-02	1.13E-01	2.49E-02	1.64E-02	1.66E-02	5.15E-02	2.88E-01	1.33E-02	4.61E-01	7.06E-01	1.58E-02	1.54E-01	1.69E-01	1.19E-02	8.41E-03	1.01E-02	2.91E-02	1.58E-02	2.32E-02	3.21E-01
Peak sensitivity value	9.12E-04	9.86E-04	1.49E-03	2.67E-03	2.74E-02	-3.23E-16	-1.50E-05	-4.22E-05	-8.04E-06	-1.52E-05	5.94E-17	-2.71E-04	9.17E-17	2.04E-16	7.22E-05	2.13E-16	-1.55E-18	2.81E-05	9.97E-05	8.38E-06	4.40E-06	-1.13E-04	5.43E-05	-6.61E-20
Shapiro-Wilk score	5.956E-01	5.005E-01	7.833E-01	7.348E-01	5.949E-01	6.480E-01	8.655E-01	9.322E-01	8.542E-01	7.602E-01	7.232E-01	8.987E-01	3.639E-01	3.472E-01	9.291E-01	6.761E-01	6.719E-01	9.257E-01	9.855E-01	9.770E-01	7.364E-01	7.174E-01	9.830E-01	7.895E-01
(Triosephosphate isomerase)																								
Local	1.01E-02	4.37E-03	7.92E-01	2.32E-03	2.81E-02	-1.03E-15	9.18E-03	2.01E-02	1.72E-03	5.20E-03	-5.10E-15	1.84E-01	0.00E+00	0.00E+00	-3.13E-02	-1.10E-17	1.39E-15	-7.52E-03	-3.91E-02	-1.11E-02	-8.85E-04	-1.89E-02	5.21E-02	2.13E-18
Min	-3.82E-02	-7.38E-02	-4.84E-01	-1.78E-03	-3.29E-02	-3.14E-14	1.19E-04	7.27E-04	3.83E-05	3.34E-05	-6.55E-14	1.47E-02	-5.74E-14	-1.83E-13	-2.43E-01	-8.35E-14	-6.99E-14	-5.02E-02	-1.52E-01	-4.70E-02	-1.79E-02	-1.84E-01	-1.92E-04	-6.58E-17
Max	9.36E-01	5.10E-01	9.86E-01	3.45E-02	9.64E-01	2.36E-14	8.13E-02	1.60E-01	2.12E-02	7.08E-02	7.11E-14	9.41E-01	8.56E-14	1.60E-13	-1.21E-03	6.28E-14	5.13E-14	-4.03E-04	-5.53E-03	-1.49E-03	-7.19E-06	3.02E-01	1.76E-01	3.88E-16
Normalized peak height	1.47E-01	9.67E-02	2.71E-02	1.13E-02	2.36E-02	4.90E-02	8.92E-03	7.15E-03	1.21E-02	1.65E-02	2.90E-01	5.53E-03	4.68E-01	6.01E-01	7.15E-03	1.26E-01	1.44E-01	5.96E-03	4.10E-03	4.30E-03	2.12E-02	1.21E-02	2.50E-02	2.98E-01
Peak sensitivity value	1.22E-03	5.64E-04	6.63E-04	1.87E-03	2.14E-02	-1.52E-17	3.57E-03	1.10E-02	6.41E-04	9.88E-04	-1.06E-17	6.79E-02	4.04E-17	1.46E-16	-1.66E-02	-1.11E-17	-5.52E-17	-4.86E-03	-3.04E-02	-8.52E-03	-1.05E-04	-1.81E-02	7.23E-05	1.49E-19
Shapiro-Wilk score	5.833E-01	4.832E-01	8.138E-01	7.550E-01	5.811E-01	7.114E-01	8.197E-01	8.653E-01	7.637E-01	7.264E-01	7.604E-01	8.259E-01	4.225E-01	3.629E-01	8.613E-01	6.777E-01	6.375E-01	8.697E-01	9.267E-01	9.290E-01	7.235E-01	7.327E-01	9.785E-01	6.773E-01
(Glyceraldehyde 3-phosphate dehydrogenase)																								
Local	1.16E-02	4.98E-03	9.03E-01	2.92E-03	3.54E-02	-1.85E-16	5.23E-04	1.14E-03	9.81E-05	2.96E-04	-9.79E-15	1.05E-02	0.00E+00	0.00E+00	-1.78E-03	7.65E-16	6.61E-16	-4.28E-04	-2.23E-03	-6.32E-04	-5.04E-05	-2.40E-02	5.89E-02	2.91E-18
Min	-3.73E-02	-5.60E-02	-1.89E-01	4.21E-06	7.28E-03	-9.65E-14	-7.36E-03	-1.31E-02	-1.32E-03	-7.79E-03	-1.17E-13	-1.48E-01	-7.45E-14	-2.42E-13	-8.54E-02	-7.96E-14	-8.22E-14	-2.38E-02	-6.03E-02	-1.85E-02	-5.48E-03	-1.96E-01	-7.08E-05	-1.17E-16
Max	9.52E-01	5.25E-01	9.96E-01	4.51E-02	9.82E-01	9.51E-14	3.62E-02	5.43E-02	1.03E-02	1.55E-02	1.37E-13	3.15E-01	4.31E-14	2.96E-13	1.87E-02	9.51E-14	6.07E-14	4.95E-03	1.87E-02	5.29E-03	1.48E-03	3.26E-01	1.98E-01	6.64E-17
Normalized peak height	1.50E-01	8.77E-02	2.05E-02	1.19E-02	2.14E-02	1.35E-01	5.80E-02	3.68E-02	8.11E-02	6.19E-02	2.55E-01	3.30E-02	4.31E-01	5.80E-01	3.45E-02	1.16E-01	1.41E-01	3.88E-02	2.23E-02	2.28E-02	1.11E-01	1.27E-02	2.00E-02	2.80E-01
Peak sensitivity value	7.79E-04	6.08E-04	2.00E-03	2.33E-03	2.53E-02	7.82E-18	2.04E-04	4.38E-04	3.12E-05	7.57E-05	2.61E-17	3.38E-03	-1.94E-17	-2.56E-16	-6.88E-04	-3.78E-17	-6.06E-17	-1.57E-04	-1.06E-03	-3.52E-04	-9.47E-06	-2.57E-02	2.81E-05	-7.18E-20
Shapiro-Wilk score	5.870E-01	4.960E-01	7.493E-01	7.400E-01	5.922E-01	6.389E-01	5.449E-01	6.007E-01	5.001E-01	6.047E-01	7.528E-01	6.167E-01	4.070E-01	3.254E-01	6.013E-01	7.405E-01	6.509E-01	6.167E-01	6.671E-01	6.648E-01	4.881E-01	7.157E-01	9.836E-01	8.844E-01
(Phosphoenolpyruvate synthesis)																								
Local	1.16E-02	4.98E-03	9.03E-01	2.92E-03	3.54E-02	-2.35E-16	5.23E-04	1.14E-03	9.81E-05	2.96E-04	-4.52E-14	1.05E-02	0.00E+00	0.00E+00	-1.78E-03	-2.42E-15	1.16E-15	-4.28E-04	-2.23E-03	-6.32E-04	-5.04E-05	-2.40E-02	5.89E-02	2.91E-18
Min	-4.26E-02	-2.04E-02	-1.39E-01	4.71E-06	6.08E-03	-9.53E-13	-9.12E-03	-1.10E-02	-1.77E-03	-6.67E-03	-7.59E-13	-1.39E-01	-3.74E-13	-2.56E-13	-9.73E-02	-8.21E-14	-1.16E-13	-2.01E-02	-6.51E-02	-1.95E-02	-5.12E-03	-2.11E-01	-9.13E-05	-7.52E-17
Max	9.57E-01	5.28E-01	9.75E-01	5.16E-02	9.82E-01	9.00E-13	3.65E-02	5.49E-02	1.11E-02	2.08E-02	1.09E-12	3.17E-01	4.32E-13	3.44E-13	2.58E-02	1.42E-13	1.02E-13	5.06E-03	1.83E-02	5.07E-03	1.09E-03	3.11E-01	1.97E-01	1.57E-16
Normalized peak height	1.52E-01	8.20E-02	1.96E-02	1.32E-02	2.14E-02	1.31E-01	5.97E-02	3.63E-02	9.27E-02	7.37E-02	2.88E-01	3.28E-02	6.06E-01	7.22E-01	4.07E-02	1.58E-01	1.71E-01	3.22E-02	2.33E-02	2.44E-02	1.02E-01	1.33E-02	1.86E-02	2.86E-01
Peak sensitivity value	9.22E-04	7.47E-04	2.11E-03	2.41E-03	2.51E-02	3.97E-16	2.11E-04	4.11E-04	3.29E-05	7.94E-05	6.32E-16	4.11E-03	-3.38E-16	4.12E-18	-8.82E-04	-2.48E-17	1.07E-16	-1.59E-04	-1.28E-03	-3.27E-04	-9.77E-06	-2.67E-04	7.43E-06	4.64E-20
Shapiro-Wilk score	5.905E-01	4.996E-01	7.487E-01	7.452E-01	5.900E-01	5.115E-01	5.435E-01	5.981E-01	4.948E-01	5.989E-01	7.507E-01	6.147E-01	3.502E-01	3.407E-01	5.973E-01	7.505E-01	6.417E-01	6.122E-01	6.625E-01	6.608E-01	4.933E-01	7.244E-01	9.834E-01	8.074E-01
(Pyruvate kinase)																								
Local	1.16E-02	4.98E-03	9.03E-01	2.92E-03	3.54E-02	2.24E-15	5.23E-04	1.14E-03	9.81E-05	2.96E-04	5.94E-14	1.05E-02	0.00E+00	0.00E+00	-1.78E-03	4.02E-15	-8.26E-16	-4.28E-04	-2.23E-03	-6.32E-04	-5.04E-05	-2.40E-02	5.89E-02	2.91E-18
Min	-3.05E-02	-4.50E-02	-8.89E-01	9.14E-06	7.73E-03	-2.95E-13	-7.05E-03	-1.33E-02	-1.86E-03	-6.44E-03	-4.59E-13	-1.44E-01	-3.21E-13	-4.82E-13	-8.76E-02	-1.62E-13	-1.11E-13	-1.87E-02	-5.97E-02	-2.05E-02	-6.03E-03	-2.16E-01	-5.37E-05	-8.98E-17
Max	9.61E-01	7.73E-01	9.82E-01	4.76E-02	9.81E-01	9.59E-12	3.72E-02	5.29E-02	8.18E-03	1.24E-02	4.65E-13	3.29E-01	2.49E-13	3.11E-13	1.99E-02	2.15E-13	2.22E-13	5.04E-03	2.49E-02	6.43E-03	2.00E-03	3.54E-01	1.87E-01	9.97E-16
Normalized peak height	1.53E-01	1.14E-01	3.02E-02	1.24E-02	2.07E-02	7.62E-01	5.86E-02	3.52E-02	7.12E-02	5.20E-02	3.89E-01	3.27E-02	6.97E-01	6.97E-01	3.62E-02	1.98E-01	2.60E-01	3.15E-02	2.34E-02	2.56E-02	1.27E-01	1.46E-02	2.23E-02	3.36E-01
Peak sensitivity value	7.66E-04	1.17E-03	2.15E-03	2.41E-03	2.67E-02	-3.42E-15	1.88E-04	5.20E-04	2.99E-05	7.13E-05	-4.11E-16	3.46E-03	6.31E-17	-2.36E-16	-9.31E-04	1.04E-16	-4.58E-17	-1.88E-04	-1.36E-03	-3.57E-04	-9.73E-06	-4.52E-04	3.96E-05	-1.36E-19
Shapiro-Wilk score	5.855E-01	4.952E-01	7.486E-01	7.396E-01	5.934E-01	1.701E-02	5.457E-01	6.064E-01	5.099E-01	6.152E-01	6.283E-01	6.177E-01	3.094E-01	3.037E-01	6.049E-01	6.525E-01	5.455E-01	6.188E-01	6.665E-01	6.603E-01	4.924E-01	7.236E-01	9.832E-01	4.584E-01
(Pyruvate decarboxylase)																								
Local	1.16E-02	4.98E-03	9.03E-01	2.92E-03	3.54E-02	-8.93E-16	5.23E-04	1.14E-03	9.81E-05	2.96E-04	-6.66E-16	1.05E-02	0.00E+00	0.00E+00	-1.78E-03	-6.65E-16	1.91E-15	-4.28E-04	-2.23E-03	-6.32E-04	-5.04E-05	-2.40E-02	5.89E-02	2.91E-18
Min	-8.38E-02	-3.73E-02	-3.13E-01	6.61E-06	6.53E-03	-2.10E-14	-5.99E-03	-1.18E-02	-1.43E-03	-6.15E-03	-6.84E-14	-1.30E-01	-4.67E-14	-2.57E-13	-8.43E-02	-1.50E-13	-1.06E-13	-2.31E-02	-6.14E-02	-1.99E-02	-5.79E-03	-1.82E-01	-1.71E-04	-7.26E-17
Max	9.53E-01	5.43E-01	1.05E+00	4.90E-02	9.84E-01	4.71E-14	2.84E-02	4.85E-02	1.05E-02	1.54E-02	1.48E-13	3.35E-01	6.41E-14	3.33E-13	1.85E-02	1.40E-13	1.19E-13	5.53E-03	1.77E-02	4.94E-03	1.39E-03	3.40E-01	1.91E-01	2.08E-16
Normalized peak height	1.53E-01	8.87E-02	2.26E-02	1.25E-02	2.14E-02	1.49E-01	4.47E-02	3.28E-02	8.32E-02	5.78E-02	2.01E-01	3.18E-02	4.51E-01	6.44E-01	3.35E-02	1.87E-01	2.25E-01	3.66E-02	2.11E-02	2.51E-02	1.13E-01	1.28E-02	2.20E-02	2.87E-01
Peak sensitivity value	7.31E-04	7.33E-04	1.12E-03	2.29E-03	2.56E-02	-2.46E-17	1.78E-04	4.31E-04	3.90E-05	8.11E-05	2.52E-17	3.84E-03	1.30E-18	2.15E-16	-9.59E-04	-1.04E-16	4.04E-17	-1.80E-04	-1.19E-03	-4.11E-04	-1.10E-05	-2.54E-02	1.16E-04	-3.71E-20
Shapiro-Wilk score	5.882E-01	5.001E-01	7.495E-01	7.339E-01	5.929E-01	6.409E-01	5.503E-01	6.051E-01	5.021E-01	5.968E-01	5.160E-01	6.160E-01	4.174E-01	3.149E-01	6.066E-01	6.061E-01	5.473E-01	6.161E-01	6.701E-01	6.629E-01	4.979E-01	7.164E-01	9.832E-01	8.246E-01
(Alcohol dehydrogenase)																								
Local	1.01E-02	4.37E-03	7.92E-01	2.32E-03	2.81E-02	-3.80E-16	9.18E-03	2.01E-02	1.72E-03	5.20E-03	6.30E-16	1.84E-01	0.00E+00	0.00E+00	-3.13E-02	-1.84E-16	1.26E-15	-7.52E-03	-3.91E-02	-1.11E-02	-8.85E-04	-1.89E-02	5.21E-02	2.13E-18
Min	-1.49E-01	-9.71E-02	-1.31E-01	-2.26E-03	-2.70E-02	-2.60E-14	5.51E-05	6.43E-04	1.85E-05	3.76E-05	-5.12E-14	1.53E-02	-4.27E-14	-2.10E-13	-2.81E-01	-1.23E-13	-5.20E-14	-5.35E-02	-1.54E-01	-4.63E-02	-1.55E-02	-2.58E-01	-1.97E-04	-1.24E-16
Max	9.29E-01	5.03E-01	1.08E+00	4.16E-02	9.65E-01	1.20E-14	8.21E-02	1.50E-01	2.94E-02	6.77E-02	7.17E-14	9.32E-01	4.47E-14	1.49E-13	-1.13E-03	1.21E-13	6.93E-14	-4.81E-04	-5.48E-03	-1.45E-03	-6.85E-06	2.95E-01	1.83E-01	1.65E-16
Normalized peak height	1.82E-01	9.56E-02	2.35E-02	1.40E-02	2.46E-02	1.00E-01	8.50E-03	7.25E-03	1.69E-02	1.67E-02	2.74E-01	5.52E-03	4.35E-01	6.15E-01	7.84E-03	1.72E-01	1.89E-01	6.43E-03	4.00E-03	4.39E-03	1.85E-02	1.40E-02	2.42E-02	2.84E-01
Peak sensitivity value	9.25E-04	1.01E-03	1.60E-03	2.02E-03	1.91E-02	1.90E-17	4.03E-03	9.39E-03	6.51E-04	9.51E-04	5.33E-18	6.44E-02	-2.56E-17	1.25E-16	-1.50E-02	-1.22E-16	7.81E-18	-4.91E-03	-2.04E-02	-7.84E-03	-1.23E-04	-4.86E-04	7.90E-05	1.48E-20
Shapiro-Wilk score	5.823E-01	4.803E-01	8.136E-01	7.451E-01	5.792E-01	6.858E-01	8.245E-01	8.653E-01	7.677E-01	7.289E-01	6.636E-01	8.247E-01	4.793E-01	3.542E-01	8.584E-01	6.165E-01	6.007E-01	8.747E-01	9.274E-01	9.261E-01	7.120E-01	7.345E-01	9.784E-01	8.023E-01
(Ethanol out)																								
Local	1.01E-02	4.37E-03	7.92E-01	2.32E-03	2.81E-02	-4.21E-16	9.18E-03	2.01E-02	1.72E-03	5.20E-03	5.13E-16	1.84E-01	2.37E-16	-8.88E-16	-3.13E-02	-1.07E-16	1.31E-15	-7.52E-03	-3.91E-02	-1.11E-02	-8.85E-04	-1.89E-02	5.21E-02	2.13E-18
Min	-1.88E-02	-8.37E-03	-2.43E+00	-2.29E-03	-2.38E-02	-1.96E-14	7.14E-05	6.58E-04	2.96E-05	3.04E-05	-2.98E-14	1.54E-02	-2.76E-14	-2.29E-13	-2.51E-01	-5.79E-14	-5.10E-14	-5.15E-02	-1.61E-01	-4.77E-02	-1.46E-02	-1.96E-01	-1.54E-04	-8.98E-17
Max	9.35E-01	1.02E+00	9.68E-01	5.49E-02	1.31E+00	1.46E-14	7.27E-02	1.36E-01	2.21E-02	5.78E-02	4.20E-14	9.52E-01	3.15E-14	2.13E-13	-9.47E-04	6.64E-14	7.27E-14	-4.45E-04	-5.41E-03	-1.11E-03	-6.23E-06	5.66E-01	1.85E-01	1.28E-16
Normalized peak height	1.61E-01	1.41E-01	5.16E-02	1.68E-02	3.08E-02	2.18E-01	7.90E-03	6.20E-03	1.30E-02	1.38E-02	5.03E-01	5.69E-03	5.81E-02	4.11E-01	7.37E-03	1.40E-01	1.93E-01	6.27E-03	4.22E-03	4.52E-03	1.76E-02	1.93E-02	1.94E-02	2.76E-01
Peak sensitivity value	7.56E-04	1.38E-03	3.90E-03	1.80E-03	1.95E-02	-1.44E-17	3.08E-03	1.08E-02	6.15E-04	8.68E-04	9.50E-19	6.55E-02	-2.16E-16	1.89E-16	-1.46E-02	-3.95E-17	1.26E-17	-4.56E-03	-2.56E-02	-7.66E-03	-1.59E-04	-6.27E-04	1.24E-04	-3.91E-20
Shapiro-Wilk score	5.870E-01	4.801E-01	8.123E-01	7.408E-01	5.799E-01	7.009E-01	8.253E-01	8.650E-01	7.702E-01	7.351E-01	6.307E-01	8.257E-01	8.137E-01	4.225E-01	8.570E-01	6.626E-01	6.047E-01	8.720E-01	9.253E-01	9.255E-01	7.083E-01	7.388E-01	9.788E-01	8.170E-01
(Ethanol flow)																								
Local	1.01E-02	4.37E-03	7.92E-01	2.32E-03	2.81E-02	-3.81E-16	9.18E-03	2.01E-02	1.72E-03	5.20E-03	-1.74E-16	1.84E-01	-3.41E-16	-1.11E-15	-3.13E-02	-1.73E-16	1.29E-15	-7.52E-03	-3.91E-02	-1.11E-02	-8.85E-04	-1.89E-02	5.21E-02	2.13E-18
Min	-1.05E+00	-7.04E-01	-1.95E-01	-4.25E-02	-5.51E-01	-1.32E-14	1.26E-04	7.68E-04	4.07E-05	3.70E-05	-7.66E-14	1.53E-02	-6.17E-14	-2.12E-13	-2.25E-01	-8.45E-14	-8.82E-14	-5.34E-02	-1.54E-01	-4.67E-02	-1.36E-02	-3.25E-01	-3.29E-04	-1.32E-16
Max	9.30E-01	4.92E-01	2.59E+00	3.96E-02	9.66E-01	1.21E-14	8.09E-02	1.36E-01	2.21E-02	6.52E-02	3.42E-14	9.47E-01	3.75E-14	1.38E-13	-1.29E-03	7.15E-14	6.33E-14	-4.56E-04	-5.63E-03	-1.22E-03	-7.18E-06	2.94E-01	1.82E-01	1.18E-16
Normalized peak height	2.51E-01	1.72E-01	4.99E-02	2.42E-02	3.50E-02	1.22E-01	8.81E-03	6.45E-03	1.28E-02	1.49E-02	3.37E-01	5.79E-03	3.49E-01	1.69E-01	6.18E-03	1.72E-01	2.18E-01	6.38E-03	4.12E-03	4.62E-03	1.69E-02	1.55E-02	1.83E-02	2.81E-01
Peak sensitivity value	7.61E-04	1.33E-03	1.55E-03	1.77E-03	2.17E-02	7.49E-18	3.64E-03	9.50E-03	6.90E-04	9.82E-04	1.05E-17	7.08E-02	-1.43E-17	-3.32E-16	-1.53E-02	-3.10E-17	1.30E-17	-4.14E-03	-2.57E-02	-9.20E-03	-1.64E-04	-1.65E-04	1.28E-04	-8.67E-21
Shapiro-Wilk score	5.822E-01	4.784E-01	8.149E-01	7.429E-01	5.832E-01	6.647E-01	8.222E-01	8.648E-01	7.766E-01	7.302E-01	4.919E-01	8.255E-01	4.158E-01	4.389E-01	8.596E-01	6.500E-01	5.846E-01	8.712E-01	9.257E-01	9.233E-01	7.184E-01	7.355E-01	9.783E-01	8.071E-01
(Glycerol synthesis)																								
Local	2.51E-02	1.08E-02	1.96E+00	8.63E-03	1.04E-01	8.06E-15	-8.18E-02	-1.79E-01	-1.53E-02	-4.63E-02	1.65E-14	-1.64E+00	0.00E+00	0.00E+00	2.79E-01	8.97E-15	-6.51E-15	6.70E-02	3.48E-01	9.89E-02	7.89E-03	-7.27E-02	1.24E-01	1.03E-17
Min	-2.51E-01	-6.43E-02	-1.01E+00	1.30E-05	2.03E-02	-1.93E-13	-5.07E-01	-5.37E-01	-7.80E-02	-3.53E-01	-5.52E-13	-3.50E+00	-9.19E-13	-5.59E-12	4.09E-03	-6.62E-13	-4.81E-13	1.35E-03	1.49E-02	2.60E-03	2.17E-04	-4.21E-01	-2.80E-02	-3.09E-16
Max	3.20E+00	1.71E+00	3.57E+00	1.14E-01	3.03E+00	1.87E-13	-7.56E-05	-4.35E-03	-5.26E-05	-8.25E-05	7.24E-13	-5.56E-01	8.67E-13	7.09E-12	7.05E-01	6.25E-13	3.62E-13	2.86E-01	6.86E-01	3.49E-01	6.07E-02	8.94E-01	4.29E-01	5.32E-16
Normalized peak height	2.43E-01	1.31E-01	3.76E-02	1.19E-02	2.67E-02	1.05E-01	4.99E-03	2.91E-03	5.54E-03	8.47E-03	3.50E-01	4.83E-03	6.81E-01	7.80E-01	2.38E-03	1.20E-01	1.35E-01	4.20E-03	2.72E-03	3.56E-03	8.15E-03	1.61E-02	2.74E-02	2.54E-01
Peak sensitivity value	2.44E-03	2.24E-03	1.66E-03	6.00E-03	6.09E-02	-1.53E-16	-4.74E-02	-1.83E-01	-8.74E-03	-1.09E-02	-3.53E-16	-1.15E+00	-4.15E-16	-2.77E-15	3.00E-01	2.33E-16	1.97E-16	4.45E-02	3.52E-01	8.42E-02	2.85E-03	-6.66E-02	1.41E-04	4.80E-20
Shapiro-Wilk score	5.998E-01	4.940E-01	8.916E-01	7.491E-01	6.066E-01	7.228E-01	9.097E-01	9.783E-01	9.141E-01	8.417E-01	5.094E-01	9.459E-01	3.597E-01	3.092E-01	9.870E-01	7.980E-01	7.704E-01	9.371E-01	9.972E-01	9.670E-01	8.485E-01	7.224E-01	9.829E-01	8.774E-01

(Glycerol out)																							
Local	2.51E-02	1.08E-02	1.96E+00	8.63E-03	1.04E-01	8.12E-15	-8.18E-02	-1.79E-01	-1.53E-02	-4.63E-02	1.55E-14	-1.64E+00	0.00E+00	0.00E+00	2.79E-01	9.24E-15	-6.55E-15	6.70E-02	3.48E-01	9.89E-02	7.89E-03	-7.27E-02	1.24E-01	1.03E-17
Min	-7.46E-01	-5.28E-01	-3.00E+00	1.94E-05	1.03E-02	-1.60E-13	-4.76E-01	-4.94E-01	-8.04E-02	-3.34E-01	-1.28E-12	-3.74E+00	-1.07E-12	-5.70E-12	2.77E-03	-4.97E-13	-3.42E-13	1.18E-03	1.92E-02	2.25E-03	2.19E-04	-4.20E-01	-1.40E-02	-2.48E-16
Max	3.11E+00	2.96E+00	3.76E+00	1.48E-01	3.02E+00	1.29E-13	-1.42E-04	-5.54E-03	-1.22E-04	-9.56E-05	9.15E-13	-5.61E-01	8.62E-13	4.10E-12	6.82E-01	4.20E-13	4.68E-13	2.96E-01	6.96E-01	3.49E-01	5.47E-02	1.36E+00	4.24E-01	1.98E-14
Normalized peak height	1.78E-01	2.06E-01	5.48E-02	1.49E-02	2.76E-02	1.03E-01	4.64E-03	2.72E-03	5.72E-03	8.06E-03	4.06E-01	4.98E-03	5.95E-01	7.75E-01	2.44E-03	7.81E-02	1.32E-01	3.98E-03	2.87E-03	3.48E-03	7.35E-03	2.23E-02	2.66E-02	6.43E-01
Peak sensitivity value	4.10E-03	1.28E-03	4.23E-03	5.11E-03	5.70E-02	7.82E-17	-4.61E-02	-1.17E-01	-7.79E-03	-1.33E-02	-9.87E-16	-1.19E+00	8.25E-16	-4.76E-16	2.96E-01	-4.38E-16	1.21E-16	4.70E-02	3.40E-01	8.15E-02	3.24E-03	-6.42E-02	2.31E-04	2.69E-18
Shapiro-Wilk score	6.020E-01	4.862E-01	8.916E-01	7.449E-01	6.055E-01	7.413E-01	9.069E-01	9.791E-01	9.155E-01	8.386E-01	4.843E-01	9.457E-01	3.654E-01	3.240E-01	9.870E-01	8.228E-01	7.727E-01	9.354E-01	9.975E-01	9.667E-01	8.404E-01	7.112E-01	9.833E-01	2.444E-02
(Glycerol flow)																								
Local	2.51E-02	1.08E-02	1.96E+00	8.63E-03	1.04E-01	8.14E-15	-8.18E-02	-1.79E-01	-1.53E-02	-4.63E-02	1.49E-14	-1.64E+00	0.00E+00	0.00E+00	2.79E-01	9.72E-15	-6.66E-15	6.70E-02	3.48E-01	9.89E-02	7.89E-03	-7.27E-02	1.24E-01	1.03E-17
Min	-3.02E-01	-8.63E-02	-7.71E-01	1.82E-05	1.91E-02	-1.60E-13	-6.14E-01	-5.00E-01	-7.98E-02	-3.49E-01	-4.98E-13	-3.48E+00	-8.46E-13	-3.55E-12	2.69E-03	-7.78E-13	-3.91E-13	8.73E-04	1.83E-02	1.77E-03	2.17E-04	-3.70E-01	-2.66E-02	-2.72E-16
Max	3.70E+00	1.42E+00	3.66E+00	1.46E-01	3.01E+00	2.25E-13	-1.60E-04	-4.25E-03	-6.61E-05	-9.98E-05	6.66E-13	-4.81E-01	6.54E-13	6.64E-12	6.94E-01	8.03E-13	3.35E-13	2.82E-01	6.95E-01	3.56E-01	5.47E-02	9.22E-01	5.04E-01	3.58E-16
Normalized peak height	1.84E-01	1.20E-01	3.91E-02	1.47E-02	2.75E-02	1.27E-01	5.93E-03	2.74E-03	5.84E-03	8.54E-03	3.76E-01	4.76E-03	6.03E-01	7.79E-01	2.42E-03	1.26E-01	1.29E-01	3.94E-03	2.83E-03	3.58E-03	7.16E-03	1.64E-02	3.01E-02	2.53E-01
Peak sensitivity value	4.90E-04	1.63E-03	3.10E-03	5.49E-03	5.95E-02	1.39E-16	-4.65E-02	-1.43E-01	-9.03E-03	-7.60E-03	5.19E-16	-1.18E+00	5.25E-16	4.28E-16	2.65E-01	5.65E-16	1.39E-16	4.18E-02	3.40E-01	7.24E-02	2.86E-03	-6.02E-02	1.54E-04	-1.32E-19
Shapiro-Wilk score	6.030E-01	4.873E-01	8.915E-01	7.380E-01	6.068E-01	7.356E-01	9.055E-01	9.785E-01	9.131E-01	8.404E-01	5.029E-01	9.489E-01	3.712E-01	3.074E-01	9.861E-01	7.823E-01	7.601E-01	9.379E-01	9.969E-01	9.675E-01	8.445E-01	7.110E-01	9.825E-01	8.738E-01
(Acetaldehyde out)																								
Local	2.51E-02	1.08E-02	1.96E+00	8.63E-03	1.04E-01	-5.92E-15	-8.18E-02	-1.79E-01	-1.53E-02	-4.63E-02	4.56E-21	-1.64E+00	0.00E+00	0.00E+00	2.79E-01	-5.24E-15	8.08E-15	6.70E-02	3.48E-01	9.89E-02	7.89E-03	-7.27E-02	1.24E-01	1.03E-17
Min	-1.90E-01	-1.19E-01	-3.97E-01	1.19E-05	1.91E-02	-2.28E-13	-5.12E-01	-5.11E-01	-7.70E-02	-2.99E-01	-7.47E-13	-3.64E+00	-9.45E-13	-4.17E-12	4.45E-03	-5.04E-13	-4.61E-13	1.08E-03	1.25E-02	1.70E-03	2.24E-04	-4.24E-01	-2.91E-02	-3.44E-16
Max	3.14E+00	1.72E+00	3.94E+00	1.23E-01	3.22E+00	1.46E-13	-8.90E-05	-5.04E-03	-7.47E-05	-1.03E-04	1.21E-12	-5.83E-01	7.27E-13	2.99E-12	6.87E-01	6.60E-13	2.79E-13	3.05E-01	7.08E-01	3.66E-01	5.26E-02	8.75E-01	4.43E-01	5.26E-16
Normalized peak height	2.26E-01	1.51E-01	3.70E-02	1.32E-02	2.87E-02	1.36E-01	5.27E-03	2.80E-03	5.54E-03	7.34E-03	4.53E-01	5.22E-03	6.36E-01	7.70E-01	2.30E-03	1.20E-01	1.37E-01	4.38E-03	3.05E-03	3.94E-03	7.00E-03	1.65E-02	2.07E-02	2.58E-01
Peak sensitivity value	1.50E-03	1.62E-03	3.44E-03	5.49E-03	5.91E-02	7.35E-17	-5.16E-02	-1.38E-01	-8.73E-03	-9.52E-03	4.36E-16	-1.22E+00	4.85E-16	1.36E-15	2.89E-01	-5.11E-16	-2.58E-16	4.71E-02	3.28E-01	6.78E-02	2.92E-03	-6.47E-02	-7.06E-05	-4.12E-19
Shapiro-Wilk score	6.015E-01	4.872E-01	8.910E-01	7.352E-01	6.076E-01	6.761E-01	9.099E-01	9.793E-01	9.093E-01	8.420E-01	5.592E-01	9.466E-01	4.062E-01	2.915E-01	9.869E-01	7.929E-01	7.567E-01	9.381E-01	9.973E-01	9.670E-01	8.449E-01	7.065E-01	9.829E-01	8.334E-01
(Acetaldehyde flow)																								
Local	2.55E-02	1.10E-02	1.99E+00	8.78E-03	1.06E-01	-5.73E-15	-8.32E-02	-1.82E-01	-1.56E-02	-4.71E-02	-8.63E-15	-1.61E+00	0.00E+00	0.00E+00	2.81E-01	-5.10E-15	7.94E-15	6.82E-02	3.73E-01	-1.21E-01	-9.62E-03	-7.39E-02	1.22E-01	1.05E-17
Min	-2.59E-01	-1.49E-01	-5.44E+00	1.86E-05	1.82E-02	-1.13E-13	-6.16E-01	-5.19E-01	-7.92E-02	-3.84E-01	-4.85E-13	-3.94E+00	-4.82E-13	-4.46E-12	3.45E-03	-7.21E-13	-3.60E-13	1.26E-03	1.09E-01	-3.52E-01	-1.75E-01	-3.95E-01	-1.43E-02	-5.27E-16
Max	3.56E+00	2.57E+00	4.13E+00	1.50E-01	3.13E+00	1.20E-13	-1.86E-04	-3.99E-03	-7.79E-05	-1.05E-04	5.62E-13	-5.50E-01	6.26E-13	4.55E-12	6.89E-01	4.06E-13	2.35E-13	2.91E-01	9.09E-01	-2.18E-02	-1.46E-04	1.71E+00	4.52E-01	3.72E-16
Normalized peak height	2.46E-01	1.93E-01	6.97E-02	1.44E-02	2.58E-02	1.01E-01	6.03E-03	2.91E-03	5.89E-03	9.44E-03	3.45E-01	5.16E-03	5.59E-01	7.83E-01	2.37E-03	1.27E-01	1.32E-01	4.14E-03	3.00E-03	3.57E-03	1.77E-02	2.60E-02	2.24E-02	2.55E-01
Peak sensitivity value	2.78E-03	2.14E-03	3.51E-03	5.18E-03	6.01E-02	-9.92E-17	-4.66E-02	-1.39E-01	-9.38E-03	-1.14E-02	-5.96E-17	-1.20E+00	5.05E-16	7.03E-16	2.61E-01	4.95E-16	1.32E-16	3.70E-02	6.16E-01	-1.14E-01	-2.51E-03	-6.54E-02	3.42E-04	-1.15E-19
Shapiro-Wilk score	6.050E-01	4.863E-01	8.956E-01	7.485E-01	6.032E-01	6.808E-01	9.089E-01	9.792E-01	9.111E-01	8.391E-01	4.323E-01	9.440E-01	3.211E-01	2.783E-01	9.873E-01	7.921E-01	7.656E-01	9.367E-01	9.850E-01	9.710E-01	6.750E-01	7.055E-01	9.829E-01	8.485E-01
(Cyanide-Acetaldehyde flow)																								
Local	2.36E-02	1.02E-02	1.85E+00	8.13E-03	9.84E-02	-5.30E-15	-7.71E-02	-1.69E-01	-1.45E-02	-4.36E-02	-8.00E-15	-1.54E+00	0.00E+00	0.00E+00	2.63E-01	-4.73E-15	7.34E-15	6.31E-02	-3.93E-01	8.14E-01	6.50E-02	-6.85E-02	1.17E-01	9.70E-18
Min	-2.03E-01	-9.12E-02	-5.52E+00	1.59E-05	1.74E-02	-1.10E-13	-5.01E-01	-4.89E-01	-7.85E-02	-3.35E-01	-7.97E-13	-3.34E+00	-6.61E-13	-3.99E-12	1.89E-03	-3.27E-13	-2.29E-13	9.08E-04	-7.55E-01	3.34E-01	3.29E-03	-3.51E-01	-1.61E-02	-1.05E-15
Max	3.07E+00	3.03E+00	3.68E+00	1.15E-01	3.10E+00	1.41E-12	-9.93E-05	-3.55E-03	-3.28E-05	-5.36E-05	4.28E-13	-3.82E-01	4.71E-13	5.48E-12	6.56E-01	4.33E-13	2.79E-13	2.79E-01	-9.40E-02	9.68E-01	5.69E-01	1.97E+00	3.59E-01	4.98E-16
Normalized peak height	2.14E-01	1.86E-01	7.52E-02	1.22E-02	2.91E-02	3.76E-01	5.12E-03	2.68E-03	6.17E-03	8.30E-03	3.83E-01	5.19E-03	6.42E-01	7.87E-01	2.47E-03	1.17E-01	1.27E-01	3.96E-03	2.88E-03	4.05E-03	9.03E-03	2.96E-02	2.47E-02	2.69E-01
Peak sensitivity value	1.24E-03	1.01E-03	4.93E-03	4.90E-03	5.89E-02	3.85E-16	-3.84E-02	-1.45E-01	-9.17E-03	-1.06E-02	-5.66E-16	-1.10E+00	-8.20E-17	2.24E-15	2.92E-01	1.94E-16	1.50E-16	3.72E-02	-3.73E-01	8.48E-01	2.62E-02	-6.41E-02	2.31E-04	5.38E-19
Shapiro-Wilk score	6.057E-01	4.878E-01	8.772E-01	7.635E-01	6.056E-01	3.084E-01	9.103E-01	9.784E-01	9.128E-01	8.392E-01	4.350E-01	9.565E-01	3.352E-01	2.797E-01	9.861E-01	8.215E-01	7.665E-01	9.372E-01	9.955E-01	9.490E-01	7.960E-01	7.066E-01	9.830E-01	7.620E-01
(Cyanide flow)																								
Local	2.36E-02	1.02E-02	1.85E+00	8.13E-03	9.84E-02	-5.36E-15	-7.71E-02	-1.69E-01	-1.45E-02	-4.36E-02	-7.92E-15	-1.54E+00	0.00E+00	0.00E+00	2.63E-01	-4.59E-15	7.47E-15	6.31E-02	-3.93E-01	8.14E-01	6.50E-02	-6.85E-02	1.17E-01	9.70E-18
Min	-2.83E-01	-1.97E-01	-5.36E-01	2.11E-05	1.82E-02	-1.74E-13	-4.64E-01	-4.78E-01	-7.86E-02	-2.87E-01	-8.57E-13	-3.08E+00	-5.94E-13	-3.16E-12	3.08E-03	-4.43E-13	-2.65E-13	1.04E-03	-7.49E-01	3.51E-01	2.36E-03	-3.72E-01	-2.04E-02	-2.96E-16
Max	2.83E+00	1.64E+00	3.23E+00	1.30E-01	2.98E+00	1.01E-13	-1.07E-04	-2.38E-03	-4.19E-05	-1.67E-05	6.34E-13	-2.65E-01	7.60E-13	6.43E-12	6.60E-01	3.97E-13	4.57E-13	3.04E-01	-9.98E-02	9.65E-01	5.66E-01	9.28E-01	3.78E-01	3.18E-16
Normalized peak height	2.28E-01	1.31E-01	3.13E-02	1.43E-02	2.83E-02	1.33E-01	4.75E-03	2.77E-03	6.02E-03	7.29E-03	4.31E-01	5.22E-03	6.70E-01	7.84E-01	2.27E-03	1.24E-01	1.41E-01	4.75E-03	3.09E-03	4.02E-03	9.04E-03	1.69E-02	2.70E-02	2.55E-01
Peak sensitivity value	1.54E-03	2.38E-03	4.17E-03	5.02E-03	5.81E-02	5.56E-17	-2.63E-02	-1.40E-01	-8.96E-03	-1.11E-02	-7.35E-16	-1.14E+00	-1.95E-16	1.94E-16	2.78E-01	8.82E-17	-2.34E-16	4.45E-02	-3.99E-01	8.56E-01	2.91E-02	-6.30E-02	1.41E-04	-8.42E-20
Shapiro-Wilk score	6.041E-01	4.896E-01	8.773E-01	7.631E-01	6.053E-01	6.597E-01	9.096E-01	9.781E-01	9.099E-01	8.421E-01	3.961E-01	9.608E-01	3.242E-01	2.831E-01	9.861E-01	8.133E-01	7.501E-01	9.374E-01	9.958E-01	9.452E-01	7.835E-01	7.114E-01	9.830E-01	8.875E-01
(Storage)																								
Local	1.21E-02	5.20E-03	9.43E-01	-1.53E-03	-1.85E-02	-1.69E-15	9.90E-03	2.16E-02	1.86E-03	5.60E-03	-3.99E-15	1.98E-01	0.00E+00	0.00E+00	-3.37E-02	-2.74E-15	-1.38E-16	-8.11E-03	-4.21E-02	-1.20E-02	-9.55E-04	1.62E-02	-9.65E-02	-1.73E-18
Min	-2.46E-01	-1.83E-01	-3.99E+00	-2.56E-02	-9.88E-01	-5.21E-14	-7.30E-04	-1.62E-03	-9.89E-05	-9.01E-04	-3.40E-13	-2.30E-02	-1.07E-13	-7.70E-13	-2.31E-01	-4.09E-13	-5.70E-13	-5.01E-02	-1.55E-01	-5.37E-02	-1.71E-02	-1.59E-01	-5.03E-01	-2.68E-16
Max	1.59E+00	2.35E+00	1.82E+00	4.21E-02	1.19E+00	1.30E-13	1.04E-01	1.39E-01	2.94E-02	6.52E-02	2.00E-13	1.10E+00	1.85E-13	6.86E-13	2.66E-03	5.22E-13	2.65E-13	1.56E-03	4.21E-03	2.40E-03	1.16E-04	1.57E+00	2.23E-02	2.03E-15
Normalized peak height	1.56E-01	1.84E-01	5.73E-02	1.51E-02	4.05E-02	1.25E-01	9.88E-03	6.15E-03	1.55E-02	1.44E-02	3.53E-01	6.49E-03	4.50E-01	6.50E-01	6.42E-03	1.84E-01	2.21E-01	5.81E-03	4.21E-03	5.36E-03	1.90E-02	3.43E-02	4.95E-03	4.97E-01
Peak sensitivity value	6.80E-04	5.43E-04	3.75E-03	-1.02E-03	-1.38E-02	-8.46E-17	4.14E-03	1.14E-02	5.65E-04	9.17E-04	2.41E-16	7.74E-02	-5.45E-17	-4.84E-16	-1.45E-02	3.30E-16	2.87E-16	-5.44E-03	-2.72E-02	-9.03E-03	-1.67E-04	2.15E-02	-7.45E-02	-8.47E-19
Shapiro-Wilk score	6.007E-01	5.345E-01	8.289E-01	8.715E-01	6.014E-01	6.981E-01	8.397E-01	8.805E-01	7.755E-01	7.188E-01	4.542E-01	8.308E-01	3.752E-01	3.252E-01	8.711E-01	6.395E-01	6.016E-01	8.765E-01	9.316E-01	9.304E-01	7.178E-01	7.092E-01	9.384E-01	1.199E-01
(ATP consumption)																								
Local	-1.59E-03	-6.83E-04	-1.24E-01	2.57E-02	3.11E-01	-8.56E-16	4.80E-03	1.05E-02	9.01E-04	2.72E-03	-2.17E-15	9.81E-02	0.00E+00	0.00E+00	-1.64E-02	-1.37E-15	-6.97E-17	-3.93E-03	-2.04E-02	-5.81E-03	-4.63E-04	-2.32E-01	9.53E-01	2.55E-17
Min	-1.62E+01	-2.41E+00	-9.67E+00	4.55E-06	3.28E-02	-4.11E-13	-1.88E-03	-5.22E-03	-1.06E-03	-2.95E-04	-3.71E-13	-4.41E-02	-3.11E-13	-9.52E-13	-6.92E-01	-5.85E-13	-4.68E-13	-3.51E-01	-5.70E-01	-1.81E-01	-3.76E-02	-1.94E+00	4.10E-01	-3.16E-14
Max	3.00E+00	6.15E-01	3.70E+00	1.78E-01	1.75E+01	1.38E-13	2.36E-01	5.44E-01	5.44E-02	1.42E-01	7.74E-13	4.32E+00	3.05E-13	1.32E-12	7.44E-03	6.14E-13	5.85E-13	2.67E-03	1.89E-02	2.96E-03	1.52E-04	4.62E-01	1.01E+00	2.29E-15
Normalized peak height	5.94E-01	5.20E-01	1.11E-01	6.52E-03	5.21E-02	4.00E-01	3.84E-02	3.65E-02	4.75E-02	4.68E-02	4.86E-01	3.81E-02	6.39E-01	7.55E-01	2.84E-02	2.93E-01	3.48E-01	5.82E-03	2.07E-02	2.28E-02	7.61E-02	1.25E-02	8.98E-03	5.10E-01
Peak sensitivity value	-6.96E-03	6.90E-05	-7.38E-03	2.03E-02	1.81E-01	-8.04E-17	1.80E-03	3.83E-03	2.99E-04	7.75E-04	-4.50E-16	3.22E-02	1.72E-16	-6.96E-16	-8.29E-03	-2.44E-17	1.71E-16	-1.75E-03	-1.09E-02	-3.37E-03	-5.53E-05	-2.36E-01	9.57E-01	5.09E-18
Shapiro-Wilk score	2.893E-01	4.517E-01	4.785E-01	8.936E-01	6.169E-01	3.923E-01	5.666E-01	6.398E-01	5.580E-01	5.852E-01	2.484E-01	6.469E-01	2.046E-01	2.052E-01	6.362E-01	4.395E-01	3.863E-01	6.299E-01	6.968E-01	6.812E-01	5.377E-01	8.215E-01	8.123E-01	4.255E-02
(Adenylate kinase)																								
Local	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF
Min	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF
Max	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF
Normalized peak height	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Peak sensitivity value	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN	NAN
Shapiro-Wilk score	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table S31: Flux control coefficients for *Saccharomyces cerevisiae* model with parameter variation of 0.1 – 10×

	(GlucoseMixedflowtoextracellularmedium)	(Glucoseuptake)	(Hexokinase)	(Phosphoglucoisomerase)	(Phosphofructokinase)	(Aldolase)	(Triosephosphateisomerase)	(Glyceraldehyde3-phosphatedehydrogenase)	(Phosphoenolpyruvatesynthesis)	(Pyruvatekinase)	(Pyruvatedecarboxylase)	(Alcoholdehydrogenase)	(Ethanolout)	(Ethanolflow)	(Glycerolsynthesis)	(Glycerolout)	(Glycerolflow)	(Acetaldehydeout)	(Acetaldehydeflow)	(Cyanide-Acetaldehydeflow)	(Cyanideflow)	(Storage)	(ATPconsumption)	(Adenylatekinase)
(Glucose Mixed flow to extracellular medium)																								
Local	1.25E-02	5.36E-03	9.73E-01	1.37E-03	1.65E-02	-3.45E-17	2.30E-04	5.02E-04	4.31E-05	1.30E-04	-8.14E-17	4.60E-03	0.00E+00	0.00E+00	-7.83E-04	-6.35E-17	-5.80E-18	-1.88E-04	-9.78E-04	-2.78E-04	-2.22E-05	-9.81E-03	-2.24E-03	1.36E-18
Min	-1.00E-01	-3.33E-01	-1.32E+01	-2.71E-01	-9.66E-01	-1.33E-11	-2.04E-01	-7.69E+00	-7.92E-03	-9.48E-01	-9.54E-12	-9.90E+00	-8.06E-12	-1.02E-11	-7.40E+02	-7.80E-11	-1.11E-11	-5.09E+02	-1.75E+02	-8.58E+01	-4.64E-01	-1.26E+01	-1.78E+03	-1.96E-09
Max	1.02E+00	1.01E+01	1.78E+03	9.68E-01	6.42E+00	2.18E-11	3.80E+01	7.01E+02	2.98E+00	2.46E+00	2.52E-12	6.26E+02	4.05E-12	2.05E-11	9.59E+00	4.53E-10	1.87E-11	6.14E+00	4.21E+00	2.00E+00	2.94E-02	2.15E+00	1.24E+01	1.87E-12
Normalized peak height	7.78E-02	1.90E-01	8.56E-01	1.79E-01	1.16E-01	9.71E-01	9.59E-01	9.71E-01	9.60E-01	8.99E-01	9.75E-01	9.03E-01	9.48E-01	9.61E-01	9.73E-01	8.83E-01	9.33E-01	8.28E-01	8.92E-01	8.72E-01	6.74E-01	2.24E-01	7.81E-01	1.00E+00
Peak sensitivity value	9.36E-04	6.68E-03	2.04E-01	1.04E-04	4.29E-03	-2.77E-15	6.70E-03	-2.52E-01	-4.44E-04	7.24E-05	-3.53E-15	-3.71E-02	9.38E-16	-1.07E-14	2.21E-01	-2.61E-13	1.15E-14	2.17E-01	1.11E-02	2.38E-02	2.34E-05	2.21E-03	8.08E-01	8.88E-13
Shapiro-Wilk score	6.352E-01	7.430E-01	1.956E-02	4.731E-01	7.064E-01	1.276E-02	7.987E-03	1.600E-03	1.107E-02	4.352E-02	8.873E-03	1.460E-02	3.486E-02	1.490E-02	1.944E-03	8.058E-03	3.107E-02	4.947E-03	2.093E-02	1.583E-02	1.599E-01	5.521E-01	9.301E-03	4.663E-04

(Glucose uptake)												
Local	1.25E-02	5.36E-03	9.73E-01	1.37E-03	1.65E-02	-2.20E-17	2.30E-04	5.02E-04	4.31E-05	1.30E-04	-8.36E-17	4.60E-03
Min	-3.43E-01	-5.97E-01	-3.22E+00	-1.31E-01	-9.71E-02	-1.21E-11	-2.14E-01	-1.07E+00	-2.79E-03	-2.79E-01	-2.65E-12	-2.98E+00
Max	1.00E+00	1.48E+00	1.60E+02	9.51E-01	2.68E+00	4.10E-11	1.26E+01	3.82E+01	4.45E+00	2.66E+00	4.68E-12	7.04E+01
Normalized peak height	8.72E-02	1.03E-01	2.78E-01	1.94E-01	7.30E-02	9.70E-01	8.19E-01	8.91E-01	9.73E-01	8.95E-01	9.59E-01	4.77E-01
Peak sensitivity value	-5.86E-05	1.30E-03	-4.54E-02	3.61E-04	1.57E-03	1.04E-14	-3.43E-03	9.78E-03	-5.63E-04	1.33E-03	-2.31E-15	-9.65E-03
Shapiro-Wilk score	6.338E-01	7.562E-01	1.515E-01	4.746E-01	7.080E-01	1.138E-02	3.694E-02	3.022E-02	7.454E-03	4.421E-02	1.713E-02	1.036E-01
(Hexokinase)												
Local	1.25E-02	5.36E-03	9.73E-01	1.37E-03	1.65E-02	-4.14E-17	2.30E-04	5.02E-04	4.31E-05	1.30E-04	-1.06E-16	4.60E-03
Min	-5.51E-01	-6.46E-01	-3.09E+00	-3.55E-02	-3.67E-01	-1.01E-10	-2.41E-01	-8.58E-01	-5.73E-03	-3.01E-01	-1.67E-11	-2.34E+00
Max	1.00E+00	1.04E+00	1.75E+03	9.42E-01	3.40E+00	4.72E-11	5.46E+00	6.37E+01	2.39E+00	2.37E+00	1.99E-11	2.25E+02
Normalized peak height	1.14E-01	9.50E-02	5.51E-01	1.69E-01	6.37E-02	9.83E-01	8.37E-01	9.28E-01	9.67E-01	7.92E-01	9.91E-01	8.04E-01
Peak sensitivity value	2.01E-04	3.30E-04	-4.53E-01	1.37E-04	-2.10E-04	-4.39E-14	1.52E-03	1.34E-02	2.67E-04	-9.39E-04	-6.19E-15	4.68E-02
Shapiro-Wilk score	6.322E-01	7.539E-01	2.195E-02	4.712E-01	7.133E-01	5.316E-03	5.263E-02	1.791E-02	1.496E-02	4.137E-02	3.730E-03	4.671E-02
(Phosphoglucoisomerase)												
Local	1.27E-02	5.48E-03	9.94E-01	3.42E-03	4.14E-02	4.62E-16	-6.63E-03	-1.45E-02	-1.24E-03	-3.75E-03	2.63E-15	-1.33E-01
Min	-5.53E-02	-2.90E-01	-7.80E+00	-2.66E-01	-2.25E-01	-3.55E-08	-4.59E-01	-1.65E+00	-1.16E-02	-4.27E+00	-4.50E-11	-4.05E+00
Max	4.77E+00	3.07E+00	4.47E+02	2.32E+00	3.54E+00	3.49E-10	1.28E+01	3.90E+01	5.37E+00	2.10E+00	6.28E-11	1.01E+02
Normalized peak height	2.20E-01	1.80E-01	5.46E-01	1.03E-01	4.77E-02	1.00E+00	8.62E-01	8.55E-01	9.78E-01	8.66E-01	9.93E-01	4.73E-01
Peak sensitivity value	1.71E-04	5.68E-04	1.55E-01	1.93E-03	9.98E-01	8.63E-12	-2.03E-03	-4.13E-03	1.85E-03	1.03E-03	2.49E-14	5.49E-03
Shapiro-Wilk score	6.417E-01	7.558E-01	9.166E-02	5.194E-01	7.157E-01	4.191E-04	4.345E-02	4.335E-02	5.632E-03	6.175E-02	2.359E-03	7.911E-02
(Phosphofructokinase)												
Local	1.27E-02	5.48E-03	9.94E-01	3.42E-03	4.14E-02	1.39E-15	-6.63E-03	-1.45E-02	-1.24E-03	-3.75E-03	3.85E-15	-1.33E-01
Min	-2.56E-02	-4.14E-02	-9.03E+00	-4.68E-02	-4.36E-01	-2.36E-11	-4.23E-01	-4.16E+00	-1.04E-02	-5.34E+00	-7.93E-12	-5.83E+00
Max	3.53E+00	3.66E+00	5.66E+02	9.40E-01	2.51E+00	8.75E-12	4.96E+00	2.18E+01	2.50E+00	1.97E+00	1.48E-10	1.61E+02
Normalized peak height	2.32E-01	2.03E-01	4.49E-01	8.54E-02	6.17E-02	9.50E-01	7.60E-01	7.29E-01	9.47E-01	9.03E-01	9.93E-01	6.88E-01
Peak sensitivity value	1.10E-03	1.16E-03	-1.29E-01	3.40E-05	9.99E-01	1.04E-14	-1.19E-03	4.32E-03	8.88E-04	-1.99E-03	-4.97E-14	-7.96E-02
Shapiro-Wilk score	6.415E-01	7.518E-01	6.042E-02	5.215E-01	7.145E-01	1.367E-02	8.883E-02	6.089E-02	1.417E-02	5.827E-02	9.845E-04	5.830E-02
(Aldolase)												
Local	1.27E-02	5.48E-03	9.94E-01	3.42E-03	4.14E-02	1.11E-15	-6.63E-03	-1.45E-02	-1.24E-03	-3.75E-03	-1.02E-14	-1.33E-01
Min	-6.17E-02	-2.73E-01	-3.83E+00	-4.07E-04	-3.47E-03	-1.30E-09	-4.56E-01	-2.40E+00	-1.63E-02	-5.30E+00	-3.44E-10	-3.47E+00
Max	5.73E+00	2.16E+00	8.86E+02	1.01E+00	4.01E+00	1.74E-09	2.25E+01	8.43E+01	2.33E+00	2.24E+00	1.64E-11	8.42E+02
Normalized peak height	2.02E-01	1.75E-01	6.11E-01	8.96E-02	7.10E-02	9.88E-01	8.93E-01	9.33E-01	9.13E-01	9.04E-01	9.61E-01	7.79E-01
Peak sensitivity value	-8.76E-04	8.26E-04	1.72E-01	1.00E-04	9.99E-01	6.47E-13	-9.07E-03	-1.42E-02	-1.07E-03	-5.91E-04	5.91E-15	3.33E-01
Shapiro-Wilk score	6.383E-01	7.529E-01	3.172E-02	5.165E-01	7.163E-01	6.460E-03	2.017E-02	1.706E-02	1.201E-02	5.825E-02	6.273E-03	1.155E-02
(Triosephosphate isomerase)												
Local	1.01E-02	4.37E-03	7.92E-01	2.32E-03	2.81E-02	-1.03E-15	9.18E-03	2.01E-02	1.72E-03	5.20E-03	-5.10E-15	1.84E-01
Min	-5.94E+00	-9.44E+00	-4.86E+00	-1.26E+00	-4.25E+00	-3.37E-09	-6.62E-03	-2.48E+00	-2.66E-02	-3.35E-02	-2.46E-10	-3.62E+00
Max	1.58E+00	2.41E+00	3.94E+02	9.37E-01	2.07E+00	3.15E-10	2.03E+01	3.64E+01	1.48E+00	1.48E+01	1.99E-11	1.74E+02
Normalized peak height	2.38E-01	2.46E-01	5.72E-01	1.43E-01	5.61E-02	9.96E-01	7.86E-01	3.77E-01	8.40E-01	8.88E-01	9.21E-01	2.98E-01
Peak sensitivity value	4.37E-03	-1.68E-03	1.25E-01	2.55E-04	2.98E-02	-2.63E-13	3.53E-03	-1.11E-02	-1.69E-04	3.64E-03	1.29E-13	2.04E-01
Shapiro-Wilk score	6.216E-01	7.258E-01	7.883E-02	5.012E-01	7.162E-01	1.698E-03	7.330E-02	9.340E-02	2.956E-02	5.637E-02	1.242E-03	1.002E-01
(Glyceraldehyde 3-phosphate dehydrogenase)												
Local	1.16E-02	4.98E-03	9.03E-01	2.92E-03	3.54E-02	-1.85E-16	5.23E-04	1.14E-03	9.81E-05	2.96E-04	-9.79E-15	1.05E-02
Min	-3.87E-01	-3.04E-01	-6.18E+00	-1.51E-02	-2.04E-01	-9.54E-08	-8.23E-02	-5.17E+00	-5.05E-03	-1.92E-01	-4.14E-08	-6.10E+00
Max	1.02E+00	1.68E+00	4.31E+02	9.42E-01	2.17E+00	5.80E-08	1.10E+01	2.93E+01	1.25E+00	4.40E+00	8.10E-11	1.14E+02
Normalized peak height	1.38E-01	9.46E-02	5.54E-01	6.93E-02	2.16E-02	9.99E-01	8.55E-01	8.68E-01	9.54E-01	8.45E-01	1.00E+00	6.56E-01
Peak sensitivity value	4.49E-05	1.39E-03	1.63E-01	-2.66E-04	3.20E-02	-5.80E-11	1.09E-03	1.22E-02	5.94E-04	-1.02E-03	1.88E-11	5.94E-02
Shapiro-Wilk score	6.379E-01	7.516E-01	7.495E-02	5.122E-01	7.183E-01	1.049E-03	3.725E-02	5.162E-02	2.101E-02	4.939E-02	3.896E-04	9.176E-02
(Phosphoenolpyruvate synthesis)												
Local	1.16E-02	4.98E-03	9.03E-01	2.92E-03	3.54E-02	-2.35E-16	5.23E-04	1.14E-03	9.81E-05	2.96E-04	-4.52E-14	1.05E-02
Min	-1.89E-01	-8.12E-01	-2.84E+00	-3.60E-02	-4.20E-01	-1.25E-08	-1.16E-01	-2.82E+00	-1.24E-02	-3.42E+00	-4.47E-10	-2.80E+00
Max	1.02E+00	2.56E+00	4.34E+02	9.87E-01	2.06E+00	5.63E-08	9.97E+00	6.28E+01	2.57E+00	2.48E+00	1.34E-09	1.70E+02
Normalized peak height	1.47E-01	1.95E-01	4.94E-01	1.02E-01	2.20E-02	9.95E-01	8.40E-01	9.30E-01	9.25E-01	7.75E-01	9.82E-01	7.33E-01
Peak sensitivity value	3.21E-04	1.09E-03	4.83E-03	3.47E-04	3.49E-02	1.82E-11	4.72E-04	3.18E-02	-7.56E-04	-2.36E-03	-6.46E-13	5.04E-02
Shapiro-Wilk score	6.404E-01	7.531E-01	7.515E-02	5.072E-01	7.174E-01	3.185E-03	3.426E-02	1.829E-02	1.124E-02	5.071E-02	8.032E-03	4.265E-02
(Pyruvate kinase)												
Local	1.16E-02	4.98E-03	9.03E-01	2.92E-03	3.54E-02	2.24E-15	5.23E-04	1.14E-03	9.81E-05	2.96E-04	5.94E-14	1.05E-02
Min	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF
Max	1.05E+00	1.11E+00	7.79E+02	9.64E-01	4.03E+00	7.97E-11	1.22E+01	4.19E+01	6.11E+00	2.77E+00	2.48E-11	1.17E+02
Normalized peak height	1.12E-01	1.33E-01	3.97E-01	6.77E-02	3.85E-02	9.98E-01	6.42E-01	8.46E-01	9.83E-01	8.72E-01	9.97E-01	4.57E-01
Peak sensitivity value	-2.90E-04	1.29E-04	4.28E-01	-3.22E-04	3.24E-02	-2.19E-12	-5.02E-03	1.95E-03	5.00E-04	7.44E-05	9.00E-13	-1.30E-02
Shapiro-Wilk score	6.389E-01	7.513E-01	4.145E-02	5.189E-01	7.200E-01	5.661E-04	2.552E-02	2.897E-02	6.213E-03	5.336E-02	5.170E-04	6.497E-02
(Pyruvate decarboxylase)												
Local	1.16E-02	4.98E-03	9.03E-01	2.92E-03	3.54E-02	-8.93E-16	5.23E-04	1.14E-03	9.81E-05	2.96E-04	-6.66E-16	1.05E-02
Min	-1.95E-01	-1.10E+00	-1.40E+01	-7.25E-03	-6.28E-01	-5.85E-12	-9.55E-02	-3.73E+00	-8.14E-02	-5.25E-01	-1.04E-11	-6.64E+00
Max	1.33E+00	1.06E+00	4.04E+03	1.68E+00	3.42E+00	2.72E-11	8.79E+01	1.73E+02	4.92E+00	2.91E+00	3.49E-12	2.97E+03
Normalized peak height	1.47E-01	1.58E-01	9.70E-01	1.19E-01	3.45E-02	9.18E-01	9.85E-01	9.79E-01	9.83E-01	7.80E-01	9.49E-01	9.93E-01
Peak sensitivity value	7.70E-04	5.37E-04	2.09E-01	3.47E-04	3.02E-02	1.26E-14	3.65E-02	7.22E-02	1.03E-03	-1.08E-03	-4.69E-15	7.94E-01
Shapiro-Wilk score	6.356E-01	7.531E-01	7.851E-03	5.107E-01	7.195E-01	2.306E-02	3.501E-03	7.044E-03	8.749E-03	5.371E-02	1.254E-02	2.746E-03
(Alcohol dehydrogenase)												
Local	1.01E-02	4.37E-03	7.92E-01	2.32E-03	2.81E-02	-3.80E-16	9.18E-03	2.01E-02	1.72E-03	5.20E-03	6.30E-16	1.84E-01
Min	-4.13E+00	-4.13E+00	-4.54E+00	-6.54E-01	-9.77E+00	-5.67E-12	-8.78E-03	-9.78E-01	-1.91E-02	-9.57E-04	-5.39E-12	-2.45E+00
Max	1.43E+00	1.77E+00	3.74E+02	9.59E-01	3.88E+00	4.09E-12	6.60E+01	1.36E+02	5.82E+00	1.22E+01	2.19E-11	1.38E+02
Normalized peak height	2.83E-01	2.37E-01	3.85E-01	1.04E-01	1.18E-01	9.07E-01	9.32E-01	9.03E-01	9.70E-01	8.91E-01	9.72E-01	2.74E-01
Peak sensitivity value	1.26E-03	9.11E-04	1.97E-01	-1.33E-04	2.69E-02	-1.46E-15	2.42E-02	5.25E-02	1.39E-03	5.14E-03	-9.72E-15	1.60E-01
Shapiro-Wilk score	6.219E-01	7.386E-01	9.463E-02	5.085E-01	7.062E-01	5.033E-02	1.660E-02	2.412E-02	1.033E-02	5.659E-02	4.448E-03	1.351E-01
(Ethanol out)												
Local	1.01E-02	4.37E-03	7.92E-01	2.32E-03	2.81E-02	-4.21E-16	9.18E-03	2.01E-02	1.72E-03	5.20E-03	5.13E-16	1.84E-01
Min	-5.65E+00	-8.59E+00	-5.01E+00	-1.01E+00	-4.56E+00	-1.00E-11	-1.40E-03	-2.51E+00	-4.56E-03	-6.99E-04	-1.52E-12	-3.74E+00
Max	1.29E+00	2.06E+00	4.18E+02	9.34E-01	4.16E+00	2.31E-11	5.16E+00	2.78E+01	6.87E+00	1.47E+01	2.53E-11	3.37E+02
Normalized peak height	2.93E-01	2.86E-01	4.09E-01	1.06E-01	7.85E-02	8.75E-01	5.74E-01	5.22E-01	9.47E-01	9.08E-01	9.84E-01	6.20E-01
Peak sensitivity value	8.41E-04	7.61E-04	-1.41E-01	1.20E-03	2.88E-02	-1.54E-14	1.18E-03	1.71E-02	-1.12E-03	6.65E-03	-3.40E-15	1.70E-01
Shapiro-Wilk score	6.188E-01	7.238E-01	7.396E-02	5.049E-01	7.182E-01	1.612E-02	2.037E-01	1.083E-01	6.657E-03	5.507E-02	3.092E-03	6.594E-02

(Glucose uptake)												
Local	0.00E+00	0.00E+00	-7.83E-04	-6.57E-17	-3.32E-18	-1.88E-04	-9.78E-04	-2.78E-04	-2.22E-05	-9.81E-03	-2.24E-03	1.36E-18
Min	-2.43E-11	-1.11E-11	-3.86E+01	-1.03E-10	-1.24E-11	-5.25E+01	-2.78E+01	-9.23E+00	-5.48E-01	-5.38E+00	-1.58E+02	-5.05E-12
Max	6.98E-12	1.69E-11	2.99E+00	2.10E-10	9.69E-11	1.34E+00	6.78E-01	2.32E-01	5.33E-02	4.70E-01	3.01E+00	1.95E-11
Normalized peak height	9.48E-01	9.64E-01	6.78E-01	9.62E-01	9.59E-01	4.50E-01	5.11E-01	6.73E-01	6.49E-01	1.52E-01	6.73E-01	9.99E-01
Peak sensitivity value	-1.35E-14	-6.33E-15	1.45E-02	5.64E-14	4.79E-14	-3.00E-02	7.95E-03	-1.39E-04	1.27E-04	-7.74E-04	3.26E-02	-3.36E-15
Shapiro-Wilk score	1.647E-02	1.956E-02	4.029E-02	2.086E-02	5.297E-03	4.735E-02	8.917E-02	8.317E-02	1.351E-01	5.737E-01	6.326E-02	1.595E-03
(Hexokinase)												
Local	0.00E+00	0.00E+00	-7.83E-04	-6.57E-17	-3.32E-18	-1.88E-04	-9.78E-04	-2.78E-04	-2.22E-05	-9.81E-03	-2.24E-03	1.36E-18
Min	-2.26E-11	-1.45E-10	-6.49E+01	-2.14E-10	-3.33E-11	-1.55E+02	-6.19E+01	-5.65E+01	-1.24E+00	-6.73E+00	-1.75E+03	-2.29E-11
Max	1.61E-11	4.03E-11	2.31E+00	1.43E-10	1.16E-11	1.15E+00	1.62E+00	2.64E-01	1.66E-02	5.18E-01	3.02E+00	1.18E-10
Normalized peak height	9.69E-01	9.88E-01	8.86E-01	9.67E-01	9.61E-01	9.34E-01	7.73E-01	8.65E-01	8.21E-01	1.66E-01	9.34E-01	9.99E-01
Peak sensitivity value	1.13E-14	6.18E-14	-6.29E-03	-3.13E-14	1.03E-14	-2.68E-02	-2.99E-03	8.96E-03	-2.83E-04	-6.80E-04	3.92E-01	5.14E-14
Shapiro-Wilk score	1.289E-02	3.640E-03	2.345E-02	1.665E-02	1.850E-02	2.210E-02	4.865E-02	2.258E-02	7.891E-02	5.716E-01	1.134E-02	1.239E-03
(Phosphoglucoisomerase)												
Local	0.00E+00	0.00E+00	2.26E-02	1.83E-15	9.24E-17	5.43E-03	2.82E-02	8.02E-03	6.39E-04	-2.82E-02	6.46E-02	3.55E-18
Min	-1.33E-11	-1.59E-11	-5.27E+01	-4.15E-11	-1.42E-11	-5.62E+01	-7.20E+01	-2.16E+01	-5.22E-01	-7.16E+00	-4.45E+02	-1.67E-12
Max	6.08E-12	7.52E-11	3.62E+00	3.72E-10	6.34E-12	3.16E+00	2.48E+00	6.63E-01	1.84E-01	5.54E-01	7.29E+00	2.40E-10
Normalized peak height	9.48E-01	9.81E-01	7.24E-01	9.68E-01	9.25E-01	6.65E-01	6.92E-01	8.00E-01	6.89E-01	8.43E-02	5.42E-01	9.99E-01
Peak sensitivity value	2.81E-15	-1.67E-14	-1.71E-02	8.72E-14	6.69E-15	-1.34E-02	-1.72E-02	6.69E-03	2.52E-04	1.72E-03	-1.76E-01	-9.92E-14
Shapiro-Wilk score	2.986E-02	5.715E-03	4.609E-02	8.437E-03	3.309E-02	5.622E-02	4.736E-02	4.693E-02	1.842E-01	5.925E-01	4.144E-02	4.439E-04
(Phosphofructokinase)												
Local	0.00E+00	0.00E+00	2.26E-02	2.02E-15	1.13E-16	5.43E-03	2.82E-02	8.02E-03	6.39E-04	-2.82E-02	6.46E-02	3.55E-18
Min	-7.29E-12	-2.88E-11	-2.22E+01	-3.87E-10	-1.40E-11	-6.80E+01	-6.71E+01	-2.84E+01	-8.21E-01	-4.72E+00	-5.64E+02	-2.64E-11
Max	2.83E-11	4.77E-11	6.04E+00	8.78E-11	1.36E-11	2.26E+00	2.62E+00	7.24E-01	1.12E+00	1.16E+00	8.49E+00	4.72E-12
Normalized peak height	9.67E-01	9.80E-01	6.56E-01	9.70E-01	8.43E-01	6.38E-01	7.98E-01	8.25E-01	8.19E-01	7.27E-02	8.67E-01	9.99E-01
Peak sensitivity value	-4.56E-15	7.40E-15	-6.05E-03	1.22E-13	1.33E-14	-2.17E-02	4.78E-03	1.02E-02	2.49E-04	1.50E-03	1.91E-01	-2.46E-15
Shapiro-Wilk score	1.437E-02	9.842E-03	7.751E-02	8.675E-03	2.839E-02	3.660E-02	4.179E-02	3.924E-02	1.009E-01	5.966E-01	3.007E-02	1.330E-03
(Aldolase)												
Local	0.00E+00	0.00E+00	2.26E-02	3.98E-16	1.24E-16	5.43E-03	2.82E-02	8.02E-03	6.39E-04	-2.82E-02	6.46E-02	3.55E-18
Min	-8.42E-12	-3.44E-11	-8.48E+01	-9.42E-11	-1.08E-11	-1.28E+02	-3.94E+02	-3.32E+02	-3.03E-01	-7.70E+00	-8.84E+02	-1.48E-09
Max	1.11E-11	3.00E-11	3.46E+00	5.95E-11	8.87E-11	2.54E+00	6.62E-01	2.17E-01	4.93E-02	5.35E-01	3.82E+00	1.36E-10
Normalized peak height	9.29E-01	9.67E-01	8.14E-01	9.29E-01	9.74E-01	9.20E-01	9.47E-01	9.79E-01	6.02E-01	1.07E-01	9.45E-01	1.00E+00
Peak sensitivity value	-5.41E-15	2.04E-14	-2.40E-02	-3.70E-14	2.84E-14	-8.75E-03	7.00E-02	5.06E-02	1.16E-04	-3.66E-03	-1.70E-01	-3.23E-13
Shapiro-Wilk score	3.754E-02	1.350E-02	2.089E-02	3.169E-02	6.959E-03	2.024E-02	9.041E-03	3.388E-03	2.305E-01	5.931E-01	1.718E-02	4.959E-04
(Triosephosphate isomerase)												
Local	0.00E+00	0.00E+00	-3.13E-02	-1.10E-17	1.39E-15	-7.52E-03	-3.91E-02	-1.11E-02	-8.85E-04	-1.89E-02	5.21E-02	2.13E-18
Min	-5.98E-12	-8.43E-11	-4.90E+01	-4.41E-11	-1.13E-11	-1.31E+02	-1.31E+02	-2.20E+01	-4.99E-01	-4.13E+00	-3.92E+02	-1.23E-07
Max	1.72E-11	6.74E-11	3.56E+00	1.77E-10	2.75E-11	1.35E+00	2.06E+00	1.13E+00	7.93E-02	8.26E-01	4.86E+00	1.74E-11
Normalized peak height	9.43E-01	9.86E-01	4.72E-01	8.64E-01	8.67E-01	7.49E-01	5.65E-01	5.10E-01	4.99E-01	6.61E-02	7.23E-01	1.00E+00
Peak sensitivity value	3.69E-15	-2.63E-14	9.72E-03	1.00E-13	1.80E-14	-3.98E-02	-4.09E-03	-1.32E-02	-2.16E-04	1.93E-03	-9.61E-02	-4.40E-11
Shapiro-Wilk score	1.810E-02	5.951E-03	1.017E-01	2.502E-02	2.057E-02	4.291E-02	5.678E-02	9.517E-02	3.505E-01	5.649E-01	3.903E-02	3.814E-04
(Glyceraldehyde 3-phosphate dehydrogenase)												
Local	0.00E+00	0.00E+00	-1.78E-03	7.65E-16	6.61E-16	-4.28E-04	-2.23E-03	-6.32E-04	-5.04E-05	-2.40E-02	5.89E-02	2.91E-18
Min	-2.68E-11	-2.25E-11	-3.84E+01	-7.21E-11	-6.83E-12	-5.09E+01	-5.50E+01	-1.57E+01	-2.82E-01	-4.43E+00	-4.29E+02	-5.32E-10
Max	1.11E-11	1.56E-10	6.20E+00	1.49E-10	1.08E-11	1.15E+00	2.11E+00	2.83E+00	8.51E-03	3.84E-01	6.14E+00	1.19E-10
Normalized peak height	9.68E-01	9.88E-01	8.47E-01	9.54E-01	9.23E-01	7.97E-01	7.61E-01	4.51E-01	5.86E-01	7.38E-02	5.28E-01	1.00E+00
Peak sensitivity value	2.40E-16	4.25E-14	-2.20E-02	-2.36E-14	4.06E-15	-1.57E-02	-2.87E-02	-1.11E-02	-6.74E-05	1.08E-03	-1.73E-01	-9.61E-14
Shapiro-Wilk score	1.230E-02	3.058E-03	5.650E-02	2.733E-02	3.950E-02	7.059E-02	6.069E-02	5.308E-02	2.014E-01	5.867E-01	3.538E-02	5.785E-04
(Phosphoenolpyruvate synthesis)												
Local	0.00E+00	0.00E+00	-1.78E-03	-2.42E-15	1.16E-15	-4.28E-04	-2.23E-03	-6.32E-04	-5.04E-05	-2.40E-02	5.89E-02	2.91E-18
Min	-1.07E-11	-1.58E-11	-6.71E+01	-3.66E-11	-2.70E-11	-8.41E+01	-9.58E+01	-4.78E+01	-9.04E-01	-4.13E+00	-4.32E+02	-2.24E-12
Max	6.20E-11	3.65E-11	3.91E+00	3.67E-11	2.29E-11	1.16E+00	1.46E+00	6.45E-01	1.72E-02	5.69E-01	2.76E+00	4.90E-12
Normalized peak height	9.47E-01	9.54E-01	9.09E-01	8.71E-01	9.38E-01	7.50E-01	7.22E-01	9.02E-01	6.39E-01	8.88E-02	8.11E-01	9.98E-01
Peak sensitivity value	-2.36E-14	-1.80E-14	-3.19E-02	8.76E-15	1.76E-14	1.04E-02	-5.01E-02	-8.78E-03	1.73E-04	-1.81E-03	-6.80E-02	-4.10E-16
Shapiro-Wilk score	1.367E-02	1.306E-02	2.319E-02	7.496E-02	2.447E-02	3.039E-02	3.322E-02	2.790E-02	1.281E-01	5.821E-01	3.586E-02	3.516E-03
(Pyruvate kinase)												
Local	0.00E+00	0.00E+00	-1.78E-03	4.02E-15	-8.26E-16	-4.28E-04	-2.23E-03	-6.32E-04	-5.04E-05	-2.40E-02	5.89E-02	2.91E-18
Min	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF
Max	4.74E-12	1.67E-11	3.01E+00	1.85E-10	1.51E-11	1.18E+00	1.04E+00	4.13E-01	2.01E-02	9.07E-01	2.87E+00	5.61E-12
Normalized peak height	9.24E-01	9.33E-01	8.74E-01	9.39E-01	9.13E-01	7.24E-01	6.76E-01	8.87E-01	6.91E-01	1.10E-01	9.19E-01	1.00E+00
Peak sensitivity value	-4.10E-16	-9.25E-15	-2.31E-02	-4.38E-14	-2.47E-14	1.11E-03	-3.40E-02	-9.73E-03	-1.42E-04	-2.04E-03	1.39E-01	-3.12E-12
Shapiro-Wilk score	5.118E-02	3.505E-02	3.652E-02	2.643E-02	1.413E-02	4.803E-02	4.700E-02	3.143E-02	1.594E-01	5.790E-01	1.958E-02	3.809E-04
(Pyruvate decarboxylase)												
Local	0.00E+00	0.00E+00	-1.78E-03	-6.65E-16	1.91E-15	-4.28E-04	-2.23E-03	-6.32E-04	-5.04E-05	-2.40E-02	5.89E-02	2.91E-18
Min	-9.87E-12	-2.92E-11	-2.62E+02	-1.32E-10	-1.91E-11	-1.24E+03	-1.48E+03	-2.48E+02	-7.81E-01	-6.85E+00	-4.04E+03	-9.33E-12
Max	3.45E-12	1.82E-11	6.07E+00	2.54E-10	1.63E-11	1.29E+00	2.97E+00	5.12E+00	2.52E+00	1.25E+00	1.29E+01	1.02E-09
Normalized peak height	8.49E-01	9.63E-01	9.50E-01	9.53E-01	8.27E-01	9.95E-01	7.94E-01	9.86E-01	8.73E-01	8.75E-02	9.89E-01	1.00E+00
Peak sensitivity value	-5.95E-15	-6.80E-15	3.36E-02	9.52E-14	-1.73E-14	-5.66E-01	-7.45E-01	-7.91E-02	-2.77E-04	2.03E-03	-1.29E+00	4.65E-13
Shapiro-Wilk score	4.020E-02	1.924E-02	6.871E-03	2.063E-02	2.982E-02	2.088E-03	2.346E-03	5.893E-03	4.207E-02	5.797E-01	5.062E-03	4.117E-04
(Alcohol dehydrogenase)												
Local	0.00E+00	0.00E+00	-3.13E-02	-1.84E-16	1.26E-15	-7.52E-03	-3.91E-02	-1.11E-02	-8.85E-04	-1.89E-02	5.21E-02	2.13E-18
Min	-1.74E-11	-6.95E-11	-1.39E+02	-1.58E-10	-8.62E-11	-4.24E+01	-5.44E+01	-5.99E+01	-3.89E-01	-7.77E+00	-3.73E+02	-5.48E-12
Max	2.23E-11	3.18E-11	2.40E+00	8.37E-11	7.60E-11	1.00E+00	1.73E+00	3.09E-01	1.20E-03	8.61E-01	3.38E+00	7.56E-10
Normalized peak height	9.66E-01	9.78E-01	8.64E-01	9.19E-01	9.87E-01	4.17E-01	3.67E-01	8.20E-01	4.51E-01	9.26E-02	7.75E-01	1.00E+00
Peak sensitivity value	-5.53E-15	2.77E-14	-6.44E-02	-9.97E-14	2.63E-14	-1.70E-02	-4.16E-02	-2.19E-02	-1.62E-04	2.50E-03	1.83E-01	2.32E-13
Shapiro-Wilk score	1.360E-02	7.756E-03	2.908E-02	2.149E-02	5.084E-03	8.889E-02	1.009E-01	3.910E-02	3.459E-01	5.619E-01	4.455E-02	7.527E-04
(Ethanol out)												
Local	2.37E-16	-8.88E-16	-3.13E-02	-1.07E-16	1.31E-15	-7.52E-03	-3.91E-02	-1.11E-02	-8.85E-04	-1.89E-02	5.21E-02	2.13E-18
Min	-1.01E-11	-6.11E-12	-2.82E+01	-2.97E-10	-2.70E-11	-9.55E+01	-1.77E+02	-6.40E+01	-4.82E-01	-8.33E+00	-4.17E+02	-2.68E-11
Max	1.37E-11	6.74E-11	3.72E+00	1.04E-10	1.60E-10	1.71E+00	9.90E-01	9.93E-01	1.50E-03	8.62E-01	4.83E+00	2.39E-11
Normalized peak height	9.50E-01	9.70E-01	5.16E-01	9.53E-01	9.88E-01	4.23E-01	5.91E-01	7.99E-01	4.81E-01	9.63E-02	8.74E-01	9.99E-01
Peak sensitivity value	7.97E-16	2.17E-14	-4.60E-03	-1.44E-13	-1.37E-14	9.45E-03	1.17E-02	-1.45E-02	-1.91E-04	2.69E-03	-2.18E-02	-2.15E-14
Shapiro-Wilk score	2.861E-02	7.814E-03	1.307E-01	1.214E-02	3.036E-03	4.867E-02	4.178E-02	4.135E-02	3.244E-01	5.557E-01	3.362E-02	1.429E-03

(Ethanol flow)																							
Local	1.01E-02	4.37E-03	7.92E-01	2.32E-03	2.81E-02	-3.81E-16	9.18E-03	2.01E-02	1.72E-03	5.20E-03	-1.74E-16	1.84E-01	-3.41E-16	-1.11E-15	-3.13E-02	-1.73E-16	1.29E-15	-7.52E-03	-3.91E-02	-1.11E-02	-8.85E-04	-1.89E-02	5.21E-02	2.13E-18
Min	-5.27E+00	-2.91E+00	-6.04E+00	-1.29E+00	-5.60E+00	-1.36E-10	-2.78E-02	-3.32E+00	-8.31E-03	-1.17E-03	-1.45E-12	-4.61E+00	-2.44E-11	-6.11E-11	-5.43E+01	-2.40E-10	-4.64E-11	-7.20E+01	-1.60E+02	-4.92E+01	-7.02E-01	-1.85E+01	-1.14E+03	-1.90E-10
Max	1.37E+00	1.65E+00	1.14E+03	9.01E-01	9.31E+00	6.15E-12	1.34E+01	3.90E+01	1.94E+00	1.47E+00	4.60E-11	2.65E+02	8.57E-11	2.14E-11	6.23E+00	3.75E-10	1.79E-11	8.38E-01	2.26E+00	7.51E-01	2.85E-02	1.46E+00	4.39E+00	3.80E-11
Normalized peak height	2.13E-01	1.53E-01	7.71E-01	1.72E-01	1.31E-01	9.85E-01	7.69E-01	6.57E-01	9.18E-01	8.48E-01	9.92E-01	4.87E-01	9.74E-01	9.79E-01	7.26E-01	9.79E-01	9.66E-01	4.01E-01	5.83E-01	8.05E-01	5.49E-01	1.94E-01	9.08E-01	9.99E-01
Peak sensitivity value	-1.42E-03	2.86E-03	2.44E-01	9.81E-04	2.84E-02	-5.01E-14	5.69E-03	8.66E-03	4.41E-04	2.57E-03	-4.56E-16	1.02E-01	-4.25E-14	4.60E-15	-2.90E-02	-4.38E-14	-1.80E-14	-1.44E-04	-1.01E-01	-2.34E-02	-3.56E-04	-8.16E-03	3.97E-01	2.57E-14
Shapiro-Wilk score	6.222E-01	7.366E-01	3.255E-02	5.114E-01	7.135E-01	1.440E-03	9.181E-02	1.117E-01	2.184E-02	6.670E-02	1.777E-03	6.147E-02	4.089E-03	1.011E-02	1.119E-01	9.099E-03	8.827E-03	7.336E-02	3.071E-02	4.461E-02	3.261E-01	5.390E-01	1.630E-02	1.209E-03
(Glycerol synthesis)																							
Local	2.51E-02	1.08E-02	1.96E+00	8.63E-03	1.04E-01	8.06E-15	-8.18E-02	-1.79E-01	-1.53E-02	-4.63E-02	1.65E-14	-1.64E+00	0.00E+00	0.00E+00	2.79E-01	8.97E-15	-6.51E-15	6.70E-02	3.48E-01	9.89E-02	7.89E-03	-7.27E-02	1.24E-01	1.03E-17
Min	-1.44E+00	-9.36E-01	-2.40E+00	-1.01E-01	-1.73E-01	-1.73E-11	-4.09E+00	-2.90E+00	-1.55E-01	-3.68E+01	-1.32E-11	-6.95E+00	-8.35E-11	-8.70E-11	-9.84E+01	-1.09E-10	-1.55E-11	-3.91E+02	-1.48E+02	-9.38E+01	-6.49E-01	-5.12E+00	-7.13E+03	-4.47E-10
Max	1.53E+01	1.77E+01	7.13E+03	3.35E+00	1.04E+01	1.46E-11	7.75E+01	8.16E+01	3.13E+00	2.02E+00	1.35E-11	5.77E+02	1.78E-11	3.58E-11	2.09E+00	2.10E-10	2.32E-11	9.51E-01	1.24E+00	8.11E-01	5.19E-01	1.57E+00	1.14E+01	4.87E-11
Normalized peak height	4.06E-01	3.37E-01	9.89E-01	1.37E-01	6.22E-02	9.06E-01	5.05E-01	3.51E-01	6.73E-01	8.73E-01	8.87E-01	6.06E-01	8.80E-01	9.43E-01	4.89E-01	8.65E-01	9.11E-01	5.04E-01	3.73E-01	5.53E-01	3.59E-01	7.15E-02	9.87E-01	9.99E-01
Peak sensitivity value	7.60E-03	5.60E-03	1.16E+00	3.81E-04	4.29E-02	9.09E-15	3.25E-02	1.84E-02	1.06E-03	-1.71E-02	1.21E-14	-8.23E-01	-4.61E-14	-1.88E-14	2.85E-02	-1.32E-13	4.85E-16	-2.96E-02	1.26E-01	6.42E-03	-5.19E-05	1.10E-03	7.34E-01	-1.75E-13
Shapiro-Wilk score	6.105E-01	6.921E-01	3.778E-03	4.979E-01	7.107E-01	4.197E-02	7.622E-02	8.961E-02	3.672E-02	6.042E-02	3.010E-02	4.749E-02	2.195E-02	3.380E-02	9.851E-02	4.010E-02	4.280E-02	2.479E-02	6.447E-02	6.426E-02	3.715E-01	6.478E-01	2.405E-03	1.042E-03
(Glycerol out)																							
Local	2.51E-02	1.08E-02	1.96E+00	8.63E-03	1.04E-01	8.12E-15	-8.18E-02	-1.79E-01	-1.53E-02	-4.63E-02	1.55E-14	-1.64E+00	0.00E+00	0.00E+00	2.79E-01	9.24E-15	-6.55E-15	6.70E-02	3.48E-01	9.89E-02	7.89E-03	-7.27E-02	1.24E-01	1.03E-17
Min	-1.37E+00	-5.45E-01	-5.43E+00	-3.60E-02	-1.38E+00	-2.57E-11	-3.51E+00	-9.49E+00	-2.21E-01	-4.84E+01	-8.80E-11	-6.43E+00	-2.56E-11	-6.84E-11	-2.53E+02	-3.24E-10	-7.35E-12	-7.05E+02	-1.92E+03	-1.42E+02	-2.66E-01	-6.85E+00	-2.99E+03	-1.43E-11
Max	3.33E+01	2.17E+01	2.99E+03	6.56E+00	1.63E+01	5.07E-12	1.77E+01	2.52E+02	2.53E+00	2.00E+00	9.50E-12	2.77E+03	2.59E-11	2.28E-10	4.61E+00	7.71E-11	1.59E-11	2.30E+00	2.26E+00	1.04E+00	5.57E-01	2.75E+00	4.03E+00	1.21E-10
Normalized peak height	3.82E-01	2.92E-01	5.65E-01	1.78E-01	1.03E-01	9.15E-01	5.81E-01	6.48E-01	6.35E-01	7.98E-01	9.82E-01	6.81E-01	9.16E-01	9.70E-01	7.13E-01	9.20E-01	8.80E-01	5.39E-01	8.21E-01	4.47E-01	3.53E-01	9.18E-02	9.82E-01	9.99E-01
Peak sensitivity value	-4.27E-03	-1.33E-03	-9.32E-01	3.06E-04	4.17E-02	2.98E-15	-5.30E-03	3.59E-02	9.08E-04	1.09E-02	-6.45E-15	5.12E-01	-8.38E-15	1.24E-14	1.09E-01	-1.01E-13	5.15E-16	-1.74E-01	-6.29E-01	-3.70E-02	1.23E-04	-9.28E-04	-4.61E-01	-2.02E-14
Shapiro-Wilk score	5.398E-01	6.823E-01	1.138E-02	4.719E-01	7.001E-01	3.833E-02	3.485E-01	2.174E-02	4.299E-02	4.811E-02	4.784E-03	5.615E-03	5.128E-02	1.321E-02	3.577E-02	2.192E-02	6.310E-02	1.051E-02	2.899E-03	3.199E-02	3.804E-01	6.473E-01	6.338E-03	5.381E-04
(Glycerol flow)																							
Local	2.51E-02	1.08E-02	1.96E+00	8.63E-03	1.04E-01	8.14E-15	-8.18E-02	-1.79E-01	-1.53E-02	-4.63E-02	1.49E-14	-1.64E+00	0.00E+00	0.00E+00	2.79E-01	9.72E-15	-6.66E-15	6.70E-02	3.48E-01	9.89E-02	7.89E-03	-7.27E-02	1.24E-01	1.03E-17
Min	-4.85E-01	-3.51E-01	-1.07E+00	-2.22E-02	-9.21E-03	-2.44E-11	-4.30E+00	-5.54E+00	-1.83E-01	-2.49E+01	-5.14E-11	-7.64E+00	-1.61E-11	-2.03E-11	-6.99E+01	-1.77E-09	-1.50E-11	-7.43E+01	-9.18E+01	-1.62E+02	-2.88E-01	-4.68E+00	-1.04E+03	-7.70E-12
Max	1.24E+01	9.25E+00	1.04E+03	9.20E+00	8.82E+00	8.77E-12	6.15E+01	3.52E+01	2.29E+00	1.86E+00	4.24E-12	3.24E+02	6.78E-11	2.20E-10	9.46E-01	8.45E-11	9.75E-11	9.54E-01	9.02E-01	8.35E-01	5.21E-01	1.09E+00	2.55E+00	4.84E-09
Normalized peak height	2.70E-01	2.18E-01	7.07E-01	2.29E-01	5.17E-02	9.15E-01	6.56E-01	4.04E-01	5.29E-01	8.19E-01	9.60E-01	3.91E-01	8.96E-01	9.62E-01	3.39E-01	9.85E-01	9.62E-01	1.96E-01	2.36E-01	5.34E-01	2.72E-01	7.02E-02	9.44E-01	1.00E+00
Peak sensitivity value	-1.41E-03	-4.29E-04	4.93E-01	8.93E-04	3.93E-02	-2.23E-15	6.84E-03	-1.89E-02	-1.32E-03	-5.18E-03	-1.21E-14	-8.41E-01	-3.49E-14	4.35E-14	-1.07E-02	1.73E-14	-6.35E-15	1.27E-02	1.14E-01	1.02E-01	-1.45E-04	5.66E-04	-5.84E-02	-4.22E-13
Shapiro-Wilk score	6.256E-01	7.335E-01	3.306E-02	4.327E-01	7.202E-01	4.277E-02	1.066E-01	2.530E-01	5.332E-02	7.638E-02	9.090E-03	9.089E-02	3.242E-02	1.506E-02	1.853E-01	2.594E-03	1.003E-02	1.773E-01	1.035E-01	2.004E-02	3.855E-01	6.486E-01	1.696E-02	3.868E-04
(Acetaldehyde out)																							
Local	2.51E-02	1.08E-02	1.96E+00	8.63E-03	1.04E-01	-5.92E-15	-8.18E-02	-1.79E-01	-1.53E-02	-4.63E-02	4.56E-21	-1.64E+00	0.00E+00	0.00E+00	2.79E-01	-5.24E-15	8.08E-15	6.70E-02	3.48E-01	9.89E-02	7.89E-03	-7.27E-02	1.24E-01	1.03E-17
Min	-9.83E-01	-6.39E-01	-2.94E+00	-1.31E-01	-5.02E-01	-8.37E-12	-5.15E+00	-4.64E+00	-2.23E-01	-6.81E+01	-9.02E-11	-7.92E+00	-2.63E-11	-8.87E-11	-4.47E+01	-4.20E-11	-2.31E-11	-5.49E+01	-1.20E+02	-5.02E+01	-7.71E-01	-8.18E+00	-7.31E+02	-3.09E-11
Max	3.09E+01	2.88E+01	7.33E+02	4.58E+00	8.22E+00	1.15E-11	1.84E+01	3.12E+01	5.25E+00	1.99E+00	1.15E-11	1.74E+02	6.90E-11	1.60E-10	2.79E+00	8.80E-11	1.04E-11	1.70E+00	1.04E+00	8.48E-01	4.95E-01	1.35E+00	4.99E+00	1.75E-11
Normalized peak height	2.79E-01	2.80E-01	4.42E-01	1.35E-01	5.09E-02	8.48E-01	5.86E-01	3.03E-01	9.17E-01	8.91E-01	9.77E-01	2.17E-01	9.48E-01	9.71E-01	3.66E-01	8.11E-01	9.03E-01	1.97E-01	3.00E-01	3.97E-01	2.90E-01	9.15E-02	8.85E-01	9.98E-01
Peak sensitivity value	1.98E-02	-6.14E-03	3.73E-01	3.70E-03	4.25E-02	-4.33E-15	-4.95E-03	-1.20E-03	-1.17E-03	-7.67E-03	-3.11E-15	-7.23E-01	2.28E-15	3.17E-14	1.11E-02	5.56E-14	-9.97E-15	2.79E-02	1.31E-01	5.25E-03	7.77E-04	-5.40E-04	2.08E-01	1.99E-14
Shapiro-Wilk score	5.744E-01	6.152E-01	4.596E-02	4.931E-01	7.165E-01	8.294E-02	3.237E-01	1.859E-01	1.896E-02	4.044E-02	7.160E-03	1.624E-01	2.684E-02	1.349E-02	2.263E-01	6.542E-02	4.348E-02	2.452E-01	9.133E-02	1.242E-01	3.619E-01	6.392E-01	2.174E-02	1.639E-03
(Acetaldehyde flow)																							
Local	2.55E-02	1.10E-02	1.99E+00	8.78E-03	1.06E-01	-5.73E-15	-8.32E-02	-1.82E-01	-1.56E-02	-4.71E-02	-8.63E-15	-1.67E+00	0.00E+00	0.00E+00	2.84E-01	-5.10E-15	7.94E-15	6.82E-02	5.75E-01	-1.21E-01	-9.62E-03	-7.39E-02	1.27E-01	1.05E-17
Min	-2.96E-01	-8.43E-01	-2.53E+01	-1.41E-01	-1.63E-01	-8.82E-11	-5.47E+00	-3.32E+00	-2.01E+00	-4.75E+01	-9.00E-12	-6.05E+00	-2.01E-11	-2.06E-10	-6.58E+01	-2.38E-10	-3.64E-11	-3.02E+02	-1.24E+02	-8.10E+01	-2.15E+00	-6.09E+00	-1.26E+03	-4.94E-12
Max	1.23E+01	2.17E+01	1.26E+03	5.80E+00	9.75E+00	1.56E-11	8.92E+00	6.31E+01	3.46E+00	8.89E+00	1.01E-10	4.70E+02	2.96E-11	6.93E-11	4.55E+00	6.77E-11	3.59E-11	2.42E+00	2.40E+00	1.22E+00	1.35E-00	1.53E+00	2.63E+01	7.29E-11
Normalized peak height	3.01E-01	3.15E-01	5.36E-01	1.60E-01	5.70E-02	9.00E-01	4.06E-01	4.63E-01	6.89E-01	8.40E-01	9.82E-01	4.27E-01	9.28E-01	9.68E-01	4.08E-01	9.27E-01	9.45E-01	6.69E-01	2.02E-01	2.90E-01	3.66E-01	8.34E-02	9.56E-01	9.99E-01
Peak sensitivity value	4.60E-04	7.52E-04	-1.75E-01	4.26E-03	5.03E-02	4.77E-14	3.33E-03	-3.46E-02	2.11E-03	5.37E-03	-3.08E-14	-5.81E-01	-9.63E-15	-8.78E-14	1.08E-02	3.93E-15	1.78E-14	1.34E-01	4.34E-01	-1.38E-01	-1.07E-03	-3.68E-04	-1.02E-01	-4.11E-15
Shapiro-Wilk score	6.111E-01	6.387E-01	2.750E-02	4.784E-01	7.140E-01	1.163E-02	4.327E-01	1.257E-01	2.827E-02	5.041E-02	3.641E-03	6.347E-02	4.509E-02	1.137E-02	1.900E-01	3.267E-02	2.504E-02	3.729E-02	1.130E-01	9.029E-02	3.619E-01	6.541E-01	1.325E-02	7.052E-04
(Cyanide-Acetaldehyde flow)																							
Local	2.36E-02	1.02E-02	1.85E+00	8.13E-03	9.84E-02	-5.30E-15	-7.71E-02	-1.69E-01	-1.45E-02	-4.36E-02	-8.00E-15	-1.54E+00	0.00E+00	0.00E+00	2.63E-01	-4.73E-15	7.34E-15	6.31E-02	-3.93E-01	8.14E-01	6.50E-02	-6.85E-02	1.17E-01	9.70E-18
Min	-1.04E+00	-7.72E-01	-3.15E+00	-2.98E-02	-2.16E-01	-5.12E-11	-3.27E+00	-7.23E+00	-2.43E-01	-4.09E+01	-6.91E-12	-5.54E+00	-5.96E-11	-3.65E-11	-2.36E+01	-8.61E-11	-6.58E-11	-1.09E+02	-8.25E+01	-2.60E+01	-1.92E-01	-3.61E+00	-9.08E+02	-3.79E-11
Max	1.43E+01	2.27E+01	9.10E+02	2.22E+00	1.23E+01	4.20E-12	1.07E+01	2.13E+01	1.46E+00	6.20E+00	2.58E-10	1.74E+02	1.71E-11	6.32E-11	2.59E+00	1.64E-09	1.23E-10	1.72E+00	3.95E-01	1.03E+00	9.98E-01	1.30E+00	2.81E+00	8.48E-10
Normalized peak height	2.77E-01	2.14E-01	5.66E-01	1.23E-01	7.94E-02	9.37E-01	5.03E-01	2.34E-01	7.39E-01	8.19E-01	9.86E-01	2.18E-01	9.46E-01	9.42E-01	2.95E-01	9.78E-01	9.77E-01	2.66E-01	1.38E-01	7.14E-02	6.36E-02	7.81E-02	6.21E-01	1.00E+00
Peak sensitivity value	-2.55E-03	1.51E-02	5.06E-02	5.42E-04	4.04E-02	1.24E-14	-1.11E-03	-2.18E-02	4.84E-05	7.35E-03	1.08E-13	-7.93E-01	1.39E-14	3.24E-14	3.87E-03	-5.21E-13	-4.62E-14	1.11E-01	-5.59E-01	8.30E-01	9.14E-04	-1.69E-03	-3.80E-01	-2.78E-13
Shapiro-Wilk score	5.734E-01	5.972E-01	4.358E-02	4.932E-01	7.033E-01	1.509E-02	4.253E-01	2.164E-01	6.179E-02	4.336E-02	1.304E-03	1.454E-01	2.756E-02	2.448E-02	2.969E-01	2.521E-03	6.485E-03	1.275E-01	1.403E-01	3.824E-01	5.554E-01	6.361E-01	2.158E-02	4.739E-04
(Cyanide flow)																							
Local	2.36E-02	1.02E-02	1.85E+00	8.13E-03	9.84E-02	-5.36E-15	-7.71E-02	-1.69E-01	-1.45E-02	-4.36E-02	-7.92E-15	-1.54E+00	0.00E+00	0.00E+00	2.63E-01	-4.59E-15	7.47E-15	6.31E-02	-3.93E-01	8.14E-01	6.50E-02	-6.85E-02	1.17E-01	9.70E-18
Min	-5.55E-01	-2.75E-01	-1.74E+01	-2.11E-01	-1.00E+00	-5.91E-12	-4.02E+00	-1.16E+01	-1.40E-01	-5.99E+01	-1.35E-11	-1.20E+01	-1.65E-11	-5.02E-11	-1.22E+04	-1.32E-09	-1.98E-11	-1.22E+04	-6.33E+03	-2.14E+02	-2.35E-01	-8.86E+00	-3.76E+04	-1.15E-11
Max	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF
Normalized peak height	3.16E-01	3.60E-01	9.98E-01	1.85E-01	1.03E-01	8.33E-01	5.84E-01	9.06E-01	9.07E-01	8.93E-01	9.74E-01	9.98E-01	9.04E-01	9.86E-01	9.83E-01	9.84E-01	9.51E-01	1.00E+00	9.98E-01	4.77E-01	1.24E-01	9.13E-02	9.98E-01	9.99E-01
Peak sensitivity value	-2.60E-04	2.38E-03	1.43E+00	2.65E-03	3.69E-02	-7.05E-15	5.52E-02	-5.55E+00	5.34E-04	-3.12E-02	1.84E-15	-2.59E+00	3.64E-15	-8.76E-16	6.03E+00	-5.87E-14	6.65E-15	-3.86E+00	-1.65E+00	9.04E-01	1.46E-03	1.90E-03	-3.76E+00	-2.08E-15
Shapiro-Wilk score	6.105E-01	6.088E-01	7.570E-04	4.780E-01	6.770E-01	5.816E-02	2.864E-02	4.930E-04	1.066E-02	4.196E-02	1.612E-02	8.305E-04	6.844E-02	3.924E-03	5.426E-04	2.759E-03	2.082E-02	6.611E-04	1.070E-03	4.177E-02	5.525E-01	6.257E-01	6.341E-04	2.519E-03
(Storage)																							
Local	1.21E-02	5.20E-03	9.43E-01	-1.53E-03	-1.85E-02	-1.69E-15	9.90E-03	2.16E-02	1.86E-03	5.60E-03	-3.99E-15	1.98E-01	0.00E+00	0.00E+00	-3.37E-02	-2.74E-15	-1.38E-16	-8.11E-03	-4.21E-02	-1.20E-02	-9.55E-04	1.62E-02	-9.65E-02	-1.73E-18
Min	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF
Max	7.48E+00	6.56E+00	4.30E+03	1.20E+00	4.58E+00	1.87E-10	3.97E+01	2.18E+02	9.87E+00	1.38E+01	1.84E-11	1.53E+03	2.07E-11	2.14E-11	3.30E+00	1.37E-10	3.52E-11	1.91E+00	9.07E-01	3.67E-01	8.04E-03	1.05E+00	4.20E+00	6.08E-11
Normalized peak height	2.63E-01	2.94E-01	9.23E-01	1.72E-01	4.74E-02	9.80E-01	8.69E-01	9.23E-01	9.35E-01	8.89E-01	9.38E-01	9.34E-01	9.34E-01	9.61E-01	8.94E-01	8.58E-01	9.55E-01	9.65E-01	8.11E-01	5.84E-01	4.47E-01	7.30E-02	7.14E-01	9.99E-01
Peak sensitivity value	-8.22E-04	7.25E-03	-1.23E-02	-6.16E-04	-8.51E-03	-5.70E-14	1.37E-02	6.03E-02	-2.72E-03	6.80E-03	-6.64E-15	4.49E-01	3.13E-15	-1.59E-13	-8.65E-02	3.04E-13	4.64E-14	-6.00E-02	7.81E-02	7.36E-02	1.20E-04	6.06E-04	-2.25E+00	2.13E-14
Shapiro-Wilk score	6.082E-01	6.951E-01	1.033E-02	6.711E-01	8.474E-01	7.672E-03	5.002E-02	1.548E-02	8.493E-03	5.864E-02	2.632E-02	1.325E-02	3.823E-02	3.292E-03	2.218E-02	3.267E-02	1.572E-02	7.148E-03	1.417E-02	1.210E-02	2.888E-01	8.039E-01	8.201E-03	1.270E-03
(ATP consumption)																							
Local	-1.59E-03	-6.83E-04	-1.24E-01	2.37E-02	3.11E-01	-8.56E-16	4.80E-03	1.05E-02	9.01E-04	2.72E-03	-2.17E-15	9.61E-02	0.00E+00	0.00E+00	-1.64E-02	-1.37E-15	-6.97E-17	-3.93E-03	-2.04E-02	-5.81E-03	-4.63E-04	-2.32E-01	9.53E-01	2.55E-17
Min	-3.25E+01	-4.31E+00	-1.15E+01	-2.22E-01	-3.15E+00	-6.47E-11	-2.40E-03	-1.34E+00	-3.61E-04	-2.26E-05	-1.27E-11	-3.25E+00	-6.61E-12	-1.94E-11	-6.36E+01	-1.74E-10	-3.35E-11	-1.13E+02	-1.59E+02	-5.87E+01	-5.06E-01	-6.85E+00	-5.17E+02	-1.69E-10
Max	1.20E+00	1.18E+00	5.19E+02	2.34E+00	3.40E+01	7.13E-11	5.45E+00	5.65E+01	4.90E+00	2.25E+01	1.45E-11	3.27E+02	6.19E-12	2.37E-11	2.80E+00	1.68E-10	1.54E-11	9.41E-01	1.93E+00	4.88E-01	1.71E-02	1.95E+00	4.20E+00	1.91E-11
Normalized peak height	5.61E-01	2.18E-01	5.86E-01	7.14E-02	1.19E-01	9.63E-01	6.01E-01	7.91E-01	9.76E-01	9.53E-01	9.68E-01	5.65E-01	8.98E-01	9.21E-01	7.77E-01	9.22E-01	8.78E-01	7.39E-01	7.15E-01	8.34E-01	3.92E-01	2.21E-02	7.94E-01	9.99E-01
Peak sensitivity value	6.93E-03	-3.16E-04	-1.43E-01	-7.99E-04	1.36E-01	-3.16E-14	3.25E-04	1.49E-02	2.09E-03	1.12E-02	2.30E-15	2.13E-01	-2.24E-16	7.14E-14	-2.45E-02	4.54E-14	2.05E-14	-2.31E-02	-8.64E-02	-1.45E-02	1.07E-04	-2.26E-01	8.07E-01	5.68E-15
Shapiro-Wilk score	2.692E-01	6.409E-01	7.788E-02	5.832E-01	6.119E-01	1.541E-02	1.825E-01	5.734E-02	1.130E-02	3.859E-02	1.671E-02	5.191E-02	7.280E-02	3.421E-02	7.540E-02	4.401E-02	3.986E-02	4.569E-02	3.537E-02	2.412E-02	3.157E-01	8.249E-01	4.514E-02	8.334E-04
(Adenylate kinase)																							
Local	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF
Min	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF	-INF
Max	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF	INF
Normalized peak height	7.42E-01	6.77E-01	6.13E-01	4.84E-01	5.48E-01	4.52E-01	5.16E-01	4.19E-01	5.48E-01	3.87E-01	5.48E-01	3.87E-01	7.10E-01	8.39E-01	5.48E-01	9.68E-01	9.68E-01	3.87E-01	5.16E-01	3.23E-01	4.84E-01	6.13E-01	2.90E-01	4.52E-01
Peak sensitivity value	-5.96E-04	-7.22E-04	-1.74E-04	-4.03E-04	3.42E-04	-1.82E-03	4.60E-04	-1.72E-03	8.04E-04	-3.08E-04	-7.42E-06	-3.42E-04	-5.78E-20	-3.69E-20	3.22E-04	2.53E-09	2.23E-11	-9.12E-05	-7.46E-05	7.51E-06	-2.79E-07	-1.29E-04	1.34E-05	-3.60E-16
Shapiro-Wilk score	3.049E-01	1.940E-01	2.578E-01	3.460E-01	2.674E-01	2.188E-01	1.852E-01	3.672E-01	2.220E-01	3.058E-01	5.463E-01	3.032E-01	2.066E-01	1.823E-01	2.626E-01	1.756E-01	1.756E-01	2.900E-01	3.642E-01	3.055E-01	3.520E-01	2.766E-01	3.868E-01	2.783E-01