WT

											WT											400
Growth	93.88	99.91	98.64	81.28	6.718	1.075	27.19	99.78	93.68	28.5	87.83	34.79	36.55	15.8	4.374	6.793	6.763	6.599	66.42	36.55	97.98	100
PTS	93.25	99.9	98.97	77.05	7.375	1.657	95.51	99.79	93.18	24.2	89.19	27.11	29.25	69.95	4.479	7.375	7.211	82.4	73.68	29.22	97.79	
PFK	93.24	99.9	98.97	76.83	7.375	1.762	95.72	99.79	93.15	23.98	89.27	26.77	28.89	71.23	4.494	7.375	7.196	83.95	73.84	28.89	97.79	90
FBA	93.24	99.9	98.97	77.37	7.375	1.762	95.74	99.79	93.15	24.05	89.28	26.75	28.86	71.3	4.494	7.375	7.196	83.94	73.87	28.87	97.81	
GDH	93.24	99.9	98.97	77.32	7.375	1.792	95.82	99.79	93.15	24.01	89.31	26.65	28.83	71.6	4.494	7.375	7.196	84.17	73.92	28.8	97.79	80
РҮК	95.3	99.07	95.28	69.59	5.061	46.81	97.89	98.51	95.21	43.3	16.02	94.79	99.15	92.88	2.478	5.076	5.151	98.78	1.538	99.16	98.66	
NGAM	0.209	54.73	91.7	59.97	99.85	66.41	100	70.21	0.209	93.42	0.3135	89.21	85	71.81	99.03	99.85	99.85	22.56	10.05	85.06	99.57	- 70
PGI	93.25	99.9	98.97	76.92	7.375	1.732	95.58	99.79	93.18	24.08	89.22	26.92	29.04	70.66	4.479	7.375	7.181	83.22	73.78	29.02	97.79	
CSICD	93.85	99.91	98.64	81.2	6.733	1.09	27.19	99.78	94.91	28.44	87.85	35.4	36.95	15.75	4.36	6.793	6.763	6.584	66.53	36.95	97.95	- 60
PTACK	93.54	99.69	95.83	84	7.032	0.3882	97.63	99.03	93.16	35.49	90.18	40.86	38.67	0.1344	4.091	7.062	7.166	93.82	75.43	38.5	97.98	
PPC	75.83	94.92	88.74	69.57	25.68	0.6569	73.8	93.18	75.92	20.26	96	4.031	3.822	13.85	49.73	25.74	25.66	99.91	97.18	3.807	89.64	- 50
PFL	94.76	99.94	97.3	87.28	5.658	2.732	97.43	99.57	94.67	40.77	71.25	83.35	89.03	0.08958	2.881	5.658	5.614	96.36	15.02	89.06	98.46	
ADH	95.64	98.43	90.21	84.16	4.673	21.1	97.98	97.04	95.66	57.26	17.48	96.81	99.54	0.1642	2.284	4.673	4.569	98.63	1.777	99.52	98.82	- 40
LDH	41.04	93.73	96.92	19.32	55.57	85.46	51.9	96.63	40.21	1.344	60.56	2.687	6.33	99.76	65.92	55.57	57.85	48.64	67.99	6.315	57.67	
MDH	56.15	80.89	74.59	65.86	45.39	2.329	83.13	79.2	55	22.63	96.97	2.105	2.15	16.2	88.22	45.43	45.61	4.583	98.3	2.15	67.63	30
PGK	93.24	99.9	98.97	77.32	7.375	1.792	95.82	99.79	93.15	24.01	89.31	26.65	28.83	71.6	4.494	7.405	7.196	84.17	73.92	28.8	97.79	
ENO	93.19	99.88	98.98	77.25	7.42	1.836	96.07	99.79	93.09	23.84	89.34	26.46	28.55	72.78	4.524	7.42	7.375	85.46	74.07	28.55	97.79	20
PCK	20.24	83.53	90.92	50.87	79.01	11.51	58.7	88.79	19.23	8.107	96.34	47.28	54.03	10.84	1.314	79.04	80.01	100	82.98	54.02	57.32	
FRD	56.18	80.89	74.59	65.87	45.37	2.329	83.13	79.2	55	22.63	96.97	2.105	2.15	16.2	88.22	45.39	45.61	4.583	98.3	2.15	67.63	10
ALDH	95.64	98.43	90.22	84.16	4.673	21.14	97.98	97.04	95.66	57.23	17.48	96.82	99.52	0.1642	2.284	4.673	4.569	98.63	1.777	99.54	98.82	
ADK	93.88	99.91	98.64	81.28	6.718	1.075	27.19	99.78	93.68	28.5	87.83	34.79	36.55	15.8	4.374	6.793	6.763	6.599	66.42	36.55	97.98	
	Growth	PTS	PFK	FBA	GDH	PYK	NGAM	PGI	CSICD	PTACK	PPC	PFL	ADH	LDH	MDH	PGK	ENO	PCK	FRD	ALDH	ADK	

нс

	HC 100																						
Growth	87.21	98.94	99.24	16.17	12.79	86.78	0.3108	99.1	87.21	3.651	97.31	99.05	6.681	95.96	39	12.79	12.88	99.15	90.12	6.681	83.64	0.3108	100
PTS	4.521	96.89	99.29	13.92	95.46	92.14	0.5127	98.31	4.506	12.88	96.66	98.9	1.461	98.69	98.52	95.45	93.74	98.31	97.03	1.461	89.12	0.5127	
PFK	3.076	96.85	99.29	13.91	96.88	92.15	0.5283	98.29	3.092	13.08	96.66	98.9	1.445	98.69	98.56	96.86	95.59	98.29	97.05	1.445	89.17	0.5283	90
FBA	3.076	96.85	99.29	13.91	96.88	92.15	0.5283	98.29	3.076	13.05	96.66	98.9	1.429	98.71	98.56	96.86	95.57	98.29	97.05	1.429	89.17	0.5283	
GDH	2.735	96.85	99.29	13.91	97.19	92.17	0.5438	98.28	2.75	13.13	96.66	98.9	1.445	98.71	98.56	97.17	95.93	98.29	97.05	1.445	89.19	0.5438	- 80
PYK	8.002	86.58	90.41	21.57	91.94	97.47	8.173	89.09	8.033	91.22	24.29	95.63	3.03	98.94	60.72	91.94	92.37	49.77	30.21	3.03	95.54	8.173	
NGAM	0.1398	58.47	62.32	8.996	62.69	57.26	100	61	0.1398	9.82	60.89	62.37	1.041	61.56	62.4	62.69	62.71	62.31	61.45	1.041	56.22	0.1709	- 70
PGI	3.667	96.86	99.29	13.91	96.22	92.15	0.5127	98.29	3.667	12.96	96.66	98.9	1.445	98.71	98.56	96.22	94.78	98.29	97.03	1.445	89.17	0.5127	
CSICD	87.21	98.94	99.24	16.17	12.79	86.73	0.3108	99.1	87.4	3.651	97.31	99.05	6.821	95.94	38.74	12.79	12.88	99.15	90.04	6.821	83.58	0.3108	- 60
PTACK	0.2952	92.36	97.76	18.97	99.69	71.18	1.554	95.67	0.2952	3.434	98.37	99.49	14.73	68.12	99.27	99.69	99.72	99.3	98.77	14.73	77.05	1.554	
PPC	4.723	92.93	95.99	23.37	95.26	49.5	5.796	94.67	4.708	0.9012	99.07	83.89	22.17	55.27	94.5	95.26	95.79	56.09	98.97	22.17	60.08	5.796	- 50
PFL	0.2797	93.8	99.35	13.89	99.74	92.88	0.2797	97.48	0.2797	23.37	95.06	99.64	14	81.39	98.93	99.74	99.74	98.68	96.32	14	90.82	0.2797	
ADH	17.25	63.55	71.61	32.92	82.82	93.83	15.91	68.61	17.43	85.72	33.27	98.6	27.67	84.03	63.95	82.77	79.16	59.63	40.69	27.67	84.35	15.91	40
LDH	63.58	93.63	91.31	21.71	36.14	95.96	62.06	92.53	63.67	88.83	24.43	11.67	5.329	97.56	31.23	36.12	34.18	27.49	24.88	5.329	95.06	62.06	
MDH	3.092	91.83	95.94	24.16	96.91	45.49	8.219	94.2	3.092	0.8701	99.08	82.12	22.36	49.8	98.74	96.91	97.09	98.23	99.07	22.36	60.5	8.219	
PGK	2.735	96.85	99.29	13.91	97.19	92.17	0.5438	98.28	2.75	13.13	96.66	98.9	1.445	98.71	98.56	97.19	95.93	98.29	97.05	1.445	89.19	0.5438	- 30
ENO		96.8	99.29	13.86	98.12	92.18	0.5438	98.21	1.802	13.27	96.66	98.88	1.445	98.69	98.59	98.12	97.82	98.29	97.06	1.445	89.2	0.5438	
PCK	92.26	36.92	33.73	87.06	7.784	31.09 45.49	86.65	35.07	92.28	99.53	0.5127	17.64	29.96	26.74	98.91	7.784	7.738	99.84	45.23	29.96	88.67	86.65	20
FRD	3.092 17.25	91.83	95.94 71.61	24.16 32.92	96.91	93.83	8.219 15.91	94.2	3.092 17.43	0.8701 85.72	99.08	98.6	22.36 27.67	49.8 84.03	98.74	96.91	97.09	98.23	99.07	22.36 27.67	60.5 84.35	8.219 15.91	
ADK	87.21	98.94	99.24	16.17	12.79	86.78	0.3108	99.1	87.21	3.651	97.31	99.05	6.681	95.96	39	12.79	12.88	99.15	90.12	6.681	83.64	0.3108	10
ATPase		92.59	99.22	14.06	99.78	91.42	0.2641	96.91	0.2175	15.23	96.89	99.27	1.6	98.04	99.33	99.78	99.8	99.15	97.89	1.6	89.53	12.26	
Allase	Growth	PTS	PFK	FBA	GDH	PYK	NGAM	PGI	CSICD	PTACK	PPC	PFL	ADH	LDH	MDH	PGK	ENO	PCK	FRD	ALDH	ADK	ATPase	