

Profile of intracellular metabolites identified in <i>Saccharomyces cerevisiae</i> samples grown on a glucose-limited chemostat under different environmental conditions.											
Metabolite	Anaerobic steady-state			Transition (10 min. intervals)					Aerobic steady-state		
	Sample 1	Sample 2	Sample 3	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 1	Sample 2	Sample 3
10-Pentadecenoic acid (C15_1n-5c)	0.034981	0.038112	0.045015	0.125820	0.138349	0.121652	0.126299	0.130732	0.034487	0.024482	0.027590
2-Aminoadipic acid	0.150580	0.212896	0.216321	0.226458	0.343073	0.309414	0.262117	0.264016	0.147511	0.148992	0.157663
2-Isopropylmalic acid	0.195152	0.167161	0.160688	0.155041	0.238976	0.233088	0.265185	0.221168	0.162683	0.146069	0.157694
2-Oxoglutaric acid	0.242358	0.239308	0.201046	0.148216	0.354043	0.358968	0.212931	0.227732	0.148308	0.181878	0.180931
2-Phosphoenolpyruvic acid	0.037739	0.024463	0.020986	0.037198	0.075331	0.063762	0.064207	0.076944	0.044974	0.033282	0.033354
4-Aminobutyric acid (GABA)	0.033539	0.053180	0.044084	0.047291	0.075219	0.059769	0.061140	0.055429	0.036623	0.039341	0.029614
5-Oxotetrahydrofuran-2-carboxylic acid	0.101118	0.092946	0.124366	0.175899	0.166779	0.199505	0.182784	0.224906	0.065755	0.048659	0.071888
Adipic acid	0.060997	0.029662	0.097170	0.043062	0.028655	0.023485	0.037340	0.019874	0.005960	0.004111	0.008737
Alanine	55.760531	56.308947	55.374088	54.355984	59.429914	52.335757	49.236572	44.768979	17.830875	16.603818	17.273231
Asparagine	1.382177	1.109918	1.083838	1.188999	2.556539	2.221677	1.661874	1.459747	0.676486	0.665030	0.611155
Aspartic acid	45.032105	43.103383	42.332268	45.719066	49.092720	38.380056	33.307292	30.765910	17.096507	15.783371	16.553186
Benzoic acid	0.214022	0.178329	0.225882	0.181281	0.211664	0.217588	0.220758	0.172850	0.096609	0.108433	0.096658
cis-Aconitic acid	0.680181	0.616352	0.489081	0.809999	0.851135	0.777939	0.751128	0.680462	0.337223	0.364518	0.407815
cis-Vaccenic acid (C18_1n-7c)	0.860037	0.760646	0.776804	1.403153	1.817113	1.746811	1.812607	1.859783	0.581630	0.372892	0.460819
Citramalic acid	1.148973	1.099046	1.188645	0.625161	0.856956	0.761969	0.818402	0.676086	0.173297	0.151459	0.174708
Citric acid	7.884831	7.451765	7.379735	9.154425	7.985716	5.743481	4.853082	3.524106	4.243018	5.024019	5.061896
Creatinine	0.198538	0.121427	0.090775	0.132260	0.459819	0.344055	0.319766	0.299571	0.128291	0.110047	0.070386
Cystathionine	0.067328	0.081188	0.074756	0.078145	0.307143	0.221228	0.105037	0.125444	0.093708	0.094882	0.100337
Cysteine	0.048020	0.055720	0.043649	0.081413	0.132192	0.114489	0.110432	0.094812	0.044177	0.052983	0.053801
Decanoic acid (C10_0)	12.289143	11.776095	10.649627	11.935740	11.144004	8.908314	7.977333	6.428284	2.976997	2.662555	2.556699
Dodecane	0.248752	0.227077	0.224268	0.404183	0.443924	0.456900	0.472298	0.369130	0.138204	0.128621	0.133292
Dodecanoic acid (C12_0)	15.446686	14.858150	13.145137	14.782416	15.308791	11.743418	10.541386	9.522087	2.027673	1.677190	1.676508
Fumaric acid	0.377453	0.409069	0.337892	0.192720	0.297405	0.228274	0.183101	0.120430	0.220279	0.201793	0.208828
Glutamic acid	48.426364	15.777094	14.420708	55.666285	68.176771	59.106940	50.062485	52.692382	22.787863	23.021232	23.490731
Glutamine	0.219162	0.346554	0.367447	0.260196	0.672491	0.691280	0.632762	0.641352	0.196692	0.235744	0.217718
Glutaric acid	0.013353	0.008627	0.008568	0.013937	0.020931	0.020197	0.014703	0.014131	0.015554	0.011632	0.011711
Glutathione	12.044403	9.106242	7.521796	9.001403	15.889049	14.726947	12.052738	10.129616	6.788829	6.000370	5.681881
Glycerol	3.237786	3.888494	5.596021	4.631424	5.658414	3.901321	3.988244	3.961702	1.568693	1.798503	1.685582
Glycine	8.041806	8.690259	8.499833	4.383051	5.986153	4.940296	4.735458	4.300109	2.546576	2.460366	2.542230
Hexanoic acid (C6_0)	14.860916	14.635032	22.070160	14.807023	17.099711	14.718492	14.737800	14.755734	5.942265	6.641527	6.454899
Histidine	0.168321	0.205096	0.188194	0.253275	0.565595	0.774064	0.810681	0.839911	0.658382	0.590731	0.655790
Isoleucine	2.923837	2.923697	2.808939	3.026612	4.726240	4.382293	3.918853	3.239668	1.519990	1.371471	1.504099
Itaconic acid	0.073786	0.065411	0.057557	0.049405	0.053504	0.046031	0.039138	0.028900	0.026423	0.034439	0.027560
Lactic acid	4.503110	5.191276	5.618374	2.693654	2.983674	2.630315	2.670676	2.229551	1.105633	1.075010	1.059221
Leucine	2.823534	3.280119	3.136772	3.606405	5.649460	5.503935	5.254192	4.448892	2.012119	1.778528	1.997536
Lysine	2.706179	3.119398	3.076669	2.874359	12.214975	17.217292	16.768732	16.535291	10.519829	9.888236	9.344889
Malic acid	0.849442	0.988432	0.872298	0.302296	0.913593	0.430949	0.257569	0.176315	0.321987	0.276608	0.256099
Methionine	0.389051	0.261526	0.238424	0.288359	0.453327	0.373411	0.297341	0.329838	0.197648	0.164461	0.145554
Myristic acid (C14_0)	21.460863	19.536066	18.231526	16.917039	16.569599	11.689872	10.601467	10.794762	1.676298	1.187797	1.395945
Myristoleic acid (C14_1n-5c)	1.146967	1.095737	1.084831	1.478511	1.582278	1.517481	1.387698	1.342143	0.347104	0.330901	0.356681

N-Acetylglutamic acid	0.080368	0.082901	0.084939	0.098523	0.429709	0.436585	0.475682	0.532864	0.251802	0.240799	0.259992
NADP_NADPH	0.989804	1.260712	1.411175	0.814613	0.909340	0.856731	1.063912	0.819945	0.309238	0.391710	0.364008
Nicotinamide	0.457006	0.408774	0.427115	0.721762	0.858635	0.822091	0.722039	0.662320	0.233697	0.234344	0.222684
Nicotinic acid	0.598559	0.500538	0.320507	0.806251	0.970007	0.951023	0.992512	0.845107	0.484097	0.406234	0.450273
Norvaline	0.056671	0.063579	0.067740	0.038544	0.046788	0.034758	0.026444	0.028444	0.010423	0.011267	0.012937
O-Acetylserine	0.076418	0.073624	0.078109	0.089776	0.181219	0.188232	0.150945	0.152612	0.053420	0.051765	0.057664
Octanoic acid (C8_0)	56.173780	52.228533	64.636880	63.380455	74.774523	70.409781	61.280002	63.533091	28.528177	28.750719	28.395669
Oleic acid (C18_1n-9c)	17.111718	16.125007	15.994310	27.713185	28.138947	24.221445	24.479506	22.807499	7.078496	4.944118	5.707386
Ornithine	2.593338	3.353389	3.276847	3.680225	10.123180	12.988121	13.173136	14.569026	8.139251	7.830298	7.486898
Palmitic acid (C16_0)	25.601378	22.818548	22.324480	23.972982	22.601420	16.593531	18.332550	14.580696	2.797995	2.313475	2.428190
Palmitoleic acid (C16_1n-7c)	29.348704	27.042665	27.895665	40.908476	47.917876	43.084563	40.232772	39.261105	12.425107	9.578376	11.134210
para-Toluic acid	0.333696	0.242440	0.283005	0.345454	0.462169	0.399714	0.570988	0.436137	0.181998	0.135320	0.157847
Phenylalanine	2.026625	2.196200	2.041510	4.566063	6.564620	6.453666	5.856701	4.852939	1.057185	1.008507	1.127400
Proline	8.047824	8.463359	8.269356	8.546180	14.964934	13.077364	10.014189	8.618451	5.793352	5.228644	5.362079
Pyroglutamic acid	21.268281	23.472776	26.385644	21.524625	27.386760	26.190424	21.439877	18.046455	9.034773	8.676079	8.905406
Pyruvic acid	0.119862	0.072265	0.083138	0.098811	0.193867	0.148777	0.150627	0.189443	0.098362	0.083251	0.095064
Serine	0.705883	0.816307	0.754017	0.869209	2.526094	2.697952	2.163789	2.126716	0.702495	0.596334	0.600364
Stearic acid (C18_0)	5.113956	4.728968	5.532442	6.643014	7.683945	7.397762	8.345440	6.154786	1.811697	1.825543	1.687544
Succinic acid	8.918957	6.726631	6.161286	1.214566	2.092691	2.065737	2.023316	1.764241	1.427939	1.280121	1.076634
Threonine	4.804521	5.118479	5.108245	4.270783	7.883633	6.184059	5.244037	4.711449	2.793150	2.820164	3.026102
Tridecane	0.227688	0.219927	0.251153	0.387073	0.381690	0.407816	0.362500	0.339593	0.132467	0.124175	0.130747
Tryptophan	0.277150	0.377812	0.407184	0.389765	1.007169	1.206070	1.280122	1.238579	0.282815	0.293661	0.307478
Tyrosine	0.801798	1.013958	0.987909	2.566776	6.635361	8.432978	8.711008	8.202006	0.757828	0.703519	0.798524
Valine	19.330424	20.020118	19.562729	24.280564	31.477223	29.061225	24.851843	21.284665	10.595306	9.469243	10.665298