

**Cold Stress**

<b>Cause</b>	<b>Effect</b>	<b>F-test</b>	<b>p-value</b>	<b>Rank</b>	<b>BH-correct lag=1</b>
YKL106W_1776650_at.2	-> Phenylalanine.3	104.7400252	0.001988715	1	0.452788
YBR299W_1774491_s_at	-> Fructose.3	75.104371	0.003232495	2	0.452788
Arginine.1	-> YDR341C_1773272_at	72.901451	0.003375402	3	0.452788
YFL022C_1779336_at	-> Phenylalanine.6	65.359512	0.00395448	4	0.452788
Malic_acid.2	-> YOL126C_1774081_at	39.7178416	0.008071696	5	0.604801
YIL172C_1775391_s_at	-> Fructose.4	39.165737	0.008233149	6	0.604801
YLR060W_1777242_at	-> Phenylalanine.5	30.560871	0.01166246	7	0.604801
Glutamic_acid.22	-> YHR074W_1775518_at	29.5560373	0.01221742	8	0.604801
YJL200C_1769943_at	-> Citric_acid	28.38416	0.01292245	9	0.604801
Fructose	-> YGL253W_1770167_at	27.94354582	0.01320526	10	0.604801
Trehalose.2	-> YDR074W_1776531_at	23.710019	0.01654894	11	0.617064
Serine.1	-> YDR062W_1770116_at	23.0513872	0.01719654	12	0.617064
YPR047W_1773228_at	-> Phenylalanine	20.346041	0.0203605	13	0.617064
Malic_acid.4	-> YDL078C_1778808_at	19.9380352	0.0209221	14	0.617064
Fructose.6.phosphate	-> YGL253W_1770167_at.2	19.697694	0.02126512	15	0.617064
YNL316C_1777156_at	-> Phenylalanine.4	14.573911	0.03162512	16	0.617064
Trehalose.3	-> YPR026W_1777053_at.1	1.39E+01	0.03373892	17	0.617064
YPR026W_1777053_at.1	-> Trehalose.3	13.79574	0.0339414	18	0.617064
Glucose.6	-> YBR184W_1775738_at.1	13.7907825	0.03395704	19	0.617064
Glutamic_acid.12	-> YJL071W_1773952_at	13.7011098	0.03424235	20	0.617064
Glutamic_acid.29	-> YJR109C_1777097_at	13.5209206	0.03482792	21	0.617064
Malic_acid	-> YKL085W_1769857_at	13.19581523	0.03592768	22	0.617064
Glutamic_acid	-> YGR124W_1769642_at.1	12.992491	0.03664531	23	0.617064
Serine.10	-> YCL064C_1778479_at	12.956913	0.03677335	24	0.617064
Serine.9	-> YDR023W_1776877_at	12.1696845	0.03980971	25	0.617064
YLR304C_1778035_at	-> Citric_acid.2	11.473388	0.04286196	26	0.617064
Glucose.6.phosphate.3	-> YML100W_1774756_at	11.352372	0.04343241	27	0.617064
Glucose.1	-> YGL253W_1770167_at.1	11.2385796	0.04398048	28	0.617064
YLR089C_1769691_at	-> Alanine	10.426475	0.04825233	29	0.617064
Glucose.8	-> YBR001C_1776046_at	10.27723044	0.04911311	30	0.617064
YPL111W_1778654_at	-> Arginine.3	10.251635	0.04926331	31	0.617064

Fumaric_acid.11	-> YLR164W_1779688_at.1	10.2275958	0.04940508	32	0.617064
Glucose.6.phosphate.5	-> YNL241C_1776427_at	9.958420659	0.05104033	33	0.617064
Glucose.5	-> YIL172C_1775391_s_at.1	9.817703	0.05193158	34	0.617064
Glucose.6.phosphate.7	-> YCL040W_1779150_at.1	9.6112639	0.05328706	35	0.617064
YPR145W_1772615_at.2	-> Asparagine.1	9.2034666	0.05614536	36	0.617064
Glyceric_acid.1	-> YOR374W_1776624_at	9.1785818	0.05632806	37	0.617064
Ribose.5.phosphate.4	-> YHL011C_1776097_at	9.095969	0.05694178	38	0.617064
Glucose	-> YDR516C_1770001_at	9.0462539	0.05731651	39	0.617064
Glutamic_acid.37	-> YMR217W_1779734_at	8.6238438	0.06067453	40	0.617064
Alanine.1	-> YFL030W_1770767_at.1	8.304259	0.06344035	41	0.617064
Serine.4	-> YBR263W_1774806_at	8.2627316	0.06381525	42	0.617064
YDR074W_1776531_at	-> Trehalose.2	8.153038	0.06482357	43	0.617064
Glucose.6.phosphate.9	-> YBR196C_1779775_at.1	8.1487923	0.06486313	44	0.617064
Glucose.6.phosphate	-> YDR516C_1770001_at.1	8.0582902	0.06571617	45	0.617064
YMR318C_1770754_at	-> Glycerol.1	7.9118969	0.06713644	46	0.617064
YGL205W_1776791_at	-> Citric_acid.1	7.87933954	0.0674593	47	0.617064
YFR053C_1775976_at	-> Fructose.5	7.748992	0.06877836	48	0.617064
Glucose.6.phosphate.4	-> YFR053C_1775976_at.3	7.6377466	0.06993867	49	0.617064
YJL153C_1779129_at	-> Glucose.6.phosphate.6	7.46E+00	0.07180914	50	0.617064
Trehalose.1	-> YBR001C_1776046_at.1	7.296211	0.07371423	51	0.617064
YJR051W_1778330_at.1	-> Fumaric_acid.10	7.1183657	0.07581779	52	0.617064
YIL116W_1774739_at.1	-> Phenylalanine.2	7.095009	0.07610153	53	0.617064
Glucose.9	-> YPR026W_1777053_at	7.0422766	0.07674872	54	0.617064
Fumaric_acid.9	-> YLR359W_1777563_at	7.0216327	0.07700461	55	0.617064
Lysine	-> YIR034C_1770279_at	6.899668	0.07854604	56	0.617064
YGR124W_1769642_at	-> Aspartic_acid	6.87245632	0.07889702	57	0.617064
Ribose.5.phosphate.2	-> YBL068W_1770750_at	6.697546	0.0812173	58	0.617064
YAL062W_1772549_at	-> Glutamic_acid.6	6.4434179	0.08479895	59	0.617064
Proline.3	-> YER023W_1778412_at	6.4323003	0.08496168	60	0.617064
Ribose.5.phosphate.10	-> YOR095C_1779097_at	6.31493869	0.08671197	61	0.617064
YPL262W_1770087_at	-> Fumaric_acid	6.2308764	0.08800323	62	0.617064
YKL106W_1776650_at.3	-> Tyrosine.4	6.1689076	0.08897594	63	0.617064
Glycerol.5	-> YHR104W_1779275_at	5.925393	0.09297933	64	0.617064

YKL104C_1778809_at.1	-> Fructose.6.phosphate.9	5.90787805	0.09327893	65	0.617064
YOL033W_1775445_at	-> Glutamic_acid.20	5.8766443	0.09381722	66	0.617064
Glucose.6.phosphate.8	-> YBR126C_1779408_at	5.8481895	0.0943122	67	0.617064
Serine.6	-> YLR058C_1776401_at	5.83357707	0.09456808	68	0.617064
Glucose.6.phosphate.2	-> YMR261C_1773683_at	5.8159691	0.09487799	69	0.617064
Proline.2	-> YER087W_1776689_at	5.73346	0.09635318	70	0.617064
Ribose.5.phosphate.5	-> YKL181W_1776342_at	5.7125356	0.09673343	71	0.617064
Fructose.4	-> YIL172C_1775391_s_at	5.643745	0.098001519	72	0.617064
YDR001C_1770456_at.1	-> Trehalose	5.609209	0.09864873	73	0.617064
Glutamic_acid.25	-> YMR062C_1776272_at	5.511693	0.1005156	74	0.617064
YHL032C_1769845_at	-> Glycerol	5.219086	0.1064903	75	0.617064
Isoleucine	-> YPL040C_1776686_at	5.174396	0.1074555	76	0.617064
Tyrosine	-> YPL097W_1770460_at	4.99222045	0.1115472	77	0.617064
YLR382C_1773389_at	-> Leucine	4.9131467	0.1134057	78	0.617064
Lysine.2	-> YDR037W_1779238_at	4.852952	0.1148558	79	0.617064
Ribose.5.phosphate	-> YCR036W_1769967_at	4.805239	0.1160276	80	0.617064
Glutamic_acid.13	-> YGR019W_1774010_at	4.7838189	0.1165603	81	0.617064
YOR303W_1773884_at	-> Glutamic_acid.11	4.77184	0.1168599	82	0.617064
Fructose.6.phosphate.4	-> YER003C_1774627_at	4.6800934	0.1191989	83	0.617064
Glutamic_acid.28	-> YJL101C_1777080_at	4.61895158	0.120802	84	0.617064
YHR011W_1770696_at	-> Serine.2	4.594796	0.1214454	85	0.617064
Asparagine.3	-> YCR024C_1776019_at	4.5406244	0.1229094	86	0.617064
Fructose.6.phosphate.2	-> YJL155C_1774340_at	4.4303821	0.1259827	87	0.617064
Glucose.2	-> YDR001C_1770456_at	4.4120146	0.1265074	88	0.617064
Trehalose	-> YDR001C_1770456_at.1	4.394919	0.1269991	89	0.617064
Glucose.11	-> YCL040W_1779150_at	4.3822179	0.1273665	90	0.617064
YOR184W_1774801_at	-> Glutamic_acid.18	4.3779971	0.127489	91	0.617064
YGL253W_1770167_at.3	-> Glucose.6.phosphate.1	4.2711722	0.1306567	92	0.617064
Serine	-> YER026C_1769395_at	4.124323	0.1352341	93	0.617064
Fructose.6.phosphate.7	-> YBR117C_1778142_at.1	4.1068744	0.135796	94	0.617064
Succinic_acid.6	-> YJL045W_1774888_at	4.024707	0.1384962	95	0.617064
Fumaric_acid.3	-> YDR178W_1772220_at.1	3.98551031	0.1398165	96	0.617064
Glutamic_acid.5	-> YOL140W_1772375_at	3.982862	0.1399065	97	0.617064

YIL172C_1775391_s_at.1	-> Glucose.5	3.96737	0.14043483	98	0.617064
YBR299W_1774491_s_at.1	-> Glucose.4	3.964895	0.1405195	99	0.617064
Fumaric_acid.7	-> YLL041C_1777010_at.1	3.9069643	0.1425275	100	0.617064
Serine.11	-> YCL004W_1779004_at	3.8882795	0.1431855	101	0.617064
Glutamic_acid.26	-> YKL106W_1776650_at.1	3.8325505	0.1451791	102	0.617064
Glucose.7	-> YFR053C_1775976_at.1	3.779361	0.1471262	103	0.617064
Glutamic_acid.4	-> YNR050C_1772003_at	3.75246425	0.1481278	104	0.617064
Glutamic_acid.21	-> YLR438W_1775480_at	3.71623902	0.1494952	105	0.617064
Tyrosine.3	-> YGR185C_1774768_at	3.693248	0.1503741	106	0.617064
Serine.5	-> YGR155W_1775526_at	3.675464	0.1510601	107	0.617064
Glutamic_acid.38	-> YGR061C_1780004_at	3.653481	0.1519154	108	0.617064
YJL045W_1774888_at	-> Succinic_acid.6	3.635057	0.1526386	109	0.617064
Serine.3	-> YGR208W_1771458_at	3.62997449	0.1528391	110	0.617064
Proline	-> YHR020W_1774658_at	3.629576	0.1528548	111	0.617064
Glutamic_acid.15	-> YPR035W_1774425_at	3.6022148	0.1539423	112	0.617064
YIL116W_1774739_at	-> Glutamic_acid.17	3.572082	0.1551552	113	0.617064
YER026C_1769395_at	-> Serine	3.552965	0.1559332	114	0.617064
YGR155W_1775526_at	-> Serine.5	3.516402	0.1574398	115	0.617064
Glucose.4	-> YBR299W_1774491_s_at.1	3.512641	0.1575961	116	0.617064
Arginine.3	-> YPL111W_1778654_at	3.508841	0.15775442	117	0.617064
Fumaric_acid.6	-> YJL045W_1774888_at.1	3.3982239	0.1624829	118	0.617064
Glutamic_acid.19	-> YMR113W_1775174_at	3.393274995	0.1627001	119	0.617064
Aspartic_acid.11	-> YNL220W_1778156_at	3.38034399	0.1632699	120	0.617064
YGR287C_1770859_at	-> Fructose.2	3.3765529	0.1634376	121	0.617064
YGL245W_1776080_at	-> Glutamic_acid.24	3.343643	0.1649058	122	0.617064
YHR208W_1779000_at.3	-> Glutamic_acid.35	3.29160678	0.1672737	123	0.617064
YPL262W_1770087_at.1	-> Malic_acid.1	3.276975069	0.16795	124	0.617064
Fructose.1	-> YIL162W_1770506_at	3.2501516	0.1692019	125	0.617064
Fumaric_acid.2	-> YKL148C_1772202_at.1	3.2020499	0.1714874	126	0.617064
Glycerol	-> YHL032C_1769845_at	3.183675	0.1723744	127	0.617064
Serine.12	-> YGL026C_1779478_at	3.1128126	0.1758695	128	0.617064
YBR001C_1776046_at.1	-> Trehalose.1	3.096698	0.1766813	129	0.617064
YGR185C_1774768_at	-> Tyrosine.3	3.063533	0.1783723	130	0.617064

Phenylalanine.6	-> YFL022C_1779336_at	3.052064	0.17896355	131	0.617064
Glutamic_acid.23	-> YMR300C_1775736_at	3.0415087	0.1795106	132	0.617064
Fructose.6.phosphate.3	-> YGR240C_1774445_at	3.0401617	0.1795807	133	0.617064
Glutamic_acid.24	-> YGL245W_1776080_at	3.021829	0.1805383	134	0.617064
Phenylalanine.5	-> YLR060W_1777242_at	2.899288	0.18717091	135	0.631448
Serine.7	-> YER086W_1776603_at	2.893329	0.1875041	136	0.631448
Serine.2	-> YHR011W_1770696_at	2.849083	0.19001	137	0.635216
YCR036W_1769967_at	-> Ribose.5.phosphate	2.797906	0.1929809	138	0.637679
YDL246C_1777143_s_at	-> Fructose.6	2.78857212	0.1935314	139	0.637679
Fructose.6.phosphate.1	-> YMR205C_1772999_at	2.7223195	0.1975174	140	0.646164
Aspartic_acid.4	-> YLR027C_1774241_at	2.6196493	0.2039804	141	0.662575
Glyceric_acid	-> YER073W_1771943_at	2.5851649	0.2062334	142	0.665175
Isoleucine.2	-> YHR208W_1779000_at.1	2.536897	0.2094599	143	0.666892
YHR020W_1774658_at	-> Proline	2.516999	0.2108154	144	0.666892
Ribose.5.phosphate.11	-> YER099C_1779140_at	2.49935436	0.2120301	145	0.666892
YOR241W_1778173_at	-> Glutamic_acid.31	2.4711893	0.2139944	146	0.666892
Glutamic_acid.9	-> YDL215C_1773457_at	2.470452	0.2140462	147	0.666892
Glutamic_acid.1	-> YLR089C_1769691_at.1	2.3767	0.2208198	148	0.678285
Glyceric_acid.2	-> YPL061W_1778325_at	2.3686612	0.2214179	149	0.678285
YBR111C_1771955_at	-> Ribose.5.phosphate.3	2.358927	0.2221458	150	0.678285
Fructose.3	-> YBR299W_1774491_s_at	2.300237	0.226624334	151	0.683076
YLR089C_1769691_at.1	-> Glutamic_acid.1	2.299294	0.2266976	152	0.683076
Glutamic_acid.36	-> YJL130C_1779682_at	2.267991	0.2291522	153	0.685959
Fructose.5	-> YFR053C_1775976_at	2.230007	0.2321932	154	0.690549
YER087W_1776689_at	-> Proline.2	2.198955	0.2347319	155	0.693595
Leucine.2	-> YJR148W_1777344_at	2.144787	0.2392778	156	0.697306
YMR062C_1776272_at	-> Glutamic_acid.25	2.120441	0.2413712	157	0.697306
YOR375C_1778816_at	-> Glutamic_acid.34	2.115926	0.241763	158	0.697306
Fructose.6.phosphate.6	-> YLR377C_1776768_at	2.086396	0.2443528	159	0.697306
Glucose.10	-> YJL216C_1778617_at.1	2.075099	0.2453564	160	0.697306
Threonine.1	-> YKL194C_1769828_at	2.0462858	0.247949	161	0.697306
Phenylalanine.4	-> YNL316C_1777156_at	2.043557	0.248197	162	0.697306
Fructose.6.phosphate.5	-> YFR053C_1775976_at.2	2.019005644	0.2504482	163	0.697306

Phenylalanine	-> YPR047W_1773228_at	2.012813	0.2510216	164	0.697306
Succinic_acid.7	-> YJR130C_1775462_at	2.0107557	0.2512127	165	0.697306
Glutamic_acid.16	-> YMR250W_1774495_at.1	1.9660261	0.2554297	166	0.70356
YDR321W_1775295_at.1	-> Asparagine.2	1.9544832	0.2565381	167	0.70356
Citric_acid.2	-> YLR304C_1778035_at	1.924493	0.2594579	168	0.706124
Glycerol.3	-> YBR184W_1775738_at	1.91165013	0.2607261	169	0.706124
YJL130C_1779682_at	-> Glutamic_acid.36	1.860389	0.2658986	170	0.706124
YDL215C_1773457_at	-> Glutamic_acid.9	1.857714	0.2661735	171	0.706124
YLR231C_1771376_at	-> Alanine.2	1.845396	0.2674458	172	0.706124
Fumaric_acid.4	-> YHR018C_1772287_at	1.845076	0.267479	173	0.706124
Isoleucine.1	-> YJR148W_1777344_at.1	1.83751259	0.2682656	174	0.706124
Succinic_acid.2	-> YEL047C_1771840_at	1.8046186	0.2717349	175	0.708558
YIL053W_1773703_at	-> Glycerol.2	1.7994769	0.2722844	176	0.708558
YMR118C_1773702_at.1	-> Fumaric_acid.5	1.71681404	0.2813953	177	0.72813
Glutamic_acid.17	-> YIL116W_1774739_at	1.679014	0.2857434	178	0.735227
Glutamic_acid.10	-> YDR300C_1773540_at	1.659282	0.2880609	179	0.735324
Phenylalanine.2	-> YIL116W_1774739_at.1	1.626418	0.29199588	180	0.735324
YHR208W_1779000_at	-> Leucine.3	1.61712131	0.2931263	181	0.735324
YIR034C_1770279_at	-> Lysine	1.615943	0.2932702	182	0.735324
Glutamic_acid.2	-> YLR299W_1769870_at	1.594923	0.2958575	183	0.735324
Succinic_acid.13	-> YJR051W_1778330_at	1.5894042	0.2965437	184	0.735324
YPR145W_1772615_at.1	-> Glutamic_acid.7	1.55051	0.3014607	185	0.735324
Valine.2	-> YGR094W_1780055_at	1.5429308	0.3024359	186	0.735324
YHR208W_1779000_at.1	-> Isoleucine.2	1.525333	0.304722	187	0.735324
YGL253W_1770167_at.2	-> Fructose.6.phosphate	1.51396	0.30621611	188	0.735324
YGR061C_1780004_at	-> Glutamic_acid.38	1.510562	0.3066651	189	0.735324
YDR037W_1779238_at	-> Lysine.2	1.498958	0.3082071	190	0.735324
Alanine.2	-> YLR231C_1771376_at	1.484673	0.3101247	191	0.735324
YIL116W_1774739_at.2	-> Tyrosine.2	1.4652716	0.3127635	192	0.735324
Aspartic_acid.1	-> YER052C_1772562_at	1.46191838	0.3132237	193	0.735324
YBR117C_1778142_at	-> Ribose.5.phosphate.7	1.44316887	0.3158196	194	0.735324
Leucine.1	-> YPL160W_1776027_at	1.431911	0.3173969	195	0.735324
Glutamic_acid.34	-> YOR375C_1778816_at	1.421674	0.3188437	196	0.735324

Glutamic_acid.11	-> YOR303W_1773884_at	1.420598	0.3189964	197	0.735324
YFL030W_1770767_at.1	-> Alanine.1	1.419026	0.31921972	198	0.735324
YLR299W_1769870_at	-> Glutamic_acid.2	1.401825	0.3216829	199	0.735324
Fumaric_acid.8	-> YKL141W_1777334_at.1	1.384747402	0.3241625	200	0.735324
YJR148W_1777344_at	-> Leucine.2	1.371858	0.3260572	201	0.735324
Glutamic_acid.7	-> YPR145W_1772615_at.1	1.370534	0.3262529	202	0.735324
YPL040C_1776686_at	-> Isoleucine	1.357964	0.3281219	203	0.735324
YHR018C_1772287_at	-> Fumaric_acid.4	1.33011	0.3323339	204	0.735324
YEL046C_1772625_at	-> Glycine.1	1.3244305	0.3332047	205	0.735324
YPL160W_1776027_at	-> Leucine.1	1.31152	0.3352	206	0.735324
YOL140W_1772375_at	-> Glutamic_acid.5	1.310258	0.3353962	207	0.735324
Malic_acid.3	-> YKL029C_1776811_at	1.3029154	0.3365419	208	0.735324
Ribose.5.phosphate.3	-> YBR111C_1771955_at	1.295346	0.3377305	209	0.735324
YDR321W_1775295_at	-> Aspartic_acid.6	1.2910905	0.3384021	210	0.735324
Glutamic_acid.8	-> YHR037W_1773117_at	1.288813	0.3387626	211	0.735324
YJL216C_1778617_at.1	-> Glucose.10	1.241955	0.3463372	212	0.748219
YFR053C_1775976_at.1	-> Glucose.7	1.217915	0.3503449	213	0.753324
YDR341C_1773272_at	-> Arginine.1	1.207041	0.352185991	214	0.753744
Valine	-> YJR148W_1777344_at.2	1.1857572	0.3558413	215	0.75577
YLR027C_1774241_at.3	-> Tyrosine.1	1.1731034	0.3580478	216	0.75577
YLR377C_1776768_at	-> Fructose.6.phosphate.6	1.170819	0.3584488	217	0.75577
YDR300C_1773540_at	-> Glutamic_acid.10	1.154675	0.361307	218	0.75577
Alanine	-> YLR089C_1769691_at	1.139752	0.36398668	219	0.75577
YHR104W_1779275_at	-> Glycerol.5	1.138857	0.36414849	220	0.75577
Citric_acid	-> YJL200C_1769943_at	1.135903	0.36468384	221	0.75577
Ribose.5.phosphate.9	-> YMR105C_1778907_at	1.1032562	0.3706983	222	0.764774
Arginine.2	-> YHR091C_1774813_at	1.0797696	0.3751407	223	0.770468
YHR037W_1773117_at	-> Glutamic_acid.8	1.026806	0.3855334	224	0.78261
Glucose.3	-> YGR287C_1770859_at.1	1.0266416	0.3855665	225	0.78261
YKL104C_1778809_at	-> Glutamic_acid.33	1.02360479	0.3861788	226	0.78261
YJR148W_1777344_at.3	-> Glutamic_acid.30	1.0127818	0.3883764	227	0.783596
Glycine.2	-> YBR263W_1774806_at.1	0.993017652	0.3924509	228	0.785399
Glutamic_acid.18	-> YOR184W_1774801_at	0.9835354	0.3944345	229	0.785399

YOL049W_1778316_at	-> Glycine.6	0.97494978	0.3962471	230	0.785399
YML100W_1774756_at	-> Glucose.6.phosphate.3	0.974526	0.39633693	231	0.785399
YGR244C_1778290_at	-> Succinic_acid.12	0.9638652	0.3986107	232	0.785399
YLR027C_1774241_at.2	-> Phenylalanine.1	0.9582337	0.3998219	233	0.785399
Aspartic_acid.6	-> YDR321W_1775295_at	0.9379614	0.4042404	234	0.785399
YJL216C_1778617_at	-> Fructose.7	0.9190064	0.4084569	235	0.785399
YHR025W_1777312_at	-> Homoserine.1	0.9092708	0.4106556	236	0.785399
Glutamic_acid.30	-> YJR148W_1777344_at.3	0.9029012	0.4121064	237	0.785399
YLL058W_1770340_at	-> Succinic_acid	0.89202012	0.4146077	238	0.785399
Asparagine	-> YGR124W_1769642_at.2	0.8846908	0.416309	239	0.785399
Homoserine.1	-> YHR025W_1777312_at	0.875202	0.4185318	240	0.785399
YGR240C_1774445_at	-> Fructose.6.phosphate.3	0.8746943	0.4186514	241	0.785399
YMR296C_1776857_at	-> Serine.8	0.8708464	0.4195598	242	0.785399
YER086W_1776603_at	-> Serine.7	0.86928	0.4199307	243	0.785399
YCL064C_1778479_at	-> Serine.10	0.862869	0.42145539	244	0.785399
YEL046C_1772625_at.1	-> Threonine.2	0.86142555	0.4218001	245	0.785399
YBR196C_1779775_at.1	-> Glucose.6.phosphate.9	0.8413007	0.42666448	246	0.785399
Arginine	-> YHR018C_1772287_at.1	0.841093	0.4267153	247	0.785399
YJR130C_1775462_at	-> Succinic_acid.7	0.8288603	0.4297264	248	0.785399
YGR019W_1774010_at	-> Glutamic_acid.13	0.8220575	0.4314189	249	0.785399
YDR111C_1778563_at	-> Alanine.4	0.8209187	0.4317035	250	0.785399
YEL047C_1771840_at.1	-> Fumaric_acid.1	0.812239	0.4338848	251	0.785399
Aspartic_acid.3	-> YAR015W_1774134_at	0.80237307	0.4363907	252	0.785399
Lysine.1	-> YNL073W_1771061_at	0.8017537	0.4365489	253	0.785399
YMR105C_1778907_at	-> Ribose.5.phosphate.9	0.8001508	0.436959	254	0.785399
YBL076C_1779139_at	-> Isoleucine.3	0.7975933	0.4376149	255	0.785399
YDL078C_1778808_at	-> Malic_acid.4	0.7922164	0.43900016	256	0.785399
YKL181W_1776342_at	-> Ribose.5.phosphate.5	0.7845001	0.44100329	257	0.785912
YBR263W_1774806_at	-> Serine.4	0.7586986	0.44783437	258	0.789198
Succinic_acid.10	-> YKL141W_1777334_at	0.7549148	0.4488538	259	0.789198
Glycerol.2	-> YIL053W_1773703_at	0.7495398	0.4503099	260	0.789198
Fructose.2	-> YGR287C_1770859_at	0.7414291	0.452525	261	0.789198
Ribose.5.phosphate.8	-> YPR074C_1778503_at	0.7394086	0.4530801	262	0.789198



Ribose.5.phosphate.1	-> YOL061W_1770747_at	0.73902489	0.4531857	263	0.789198
Glycerol.1	-> YMR318C_1770754_at	0.7306457	0.45550383	264	0.789781
YLR142W_1775678_at	-> Proline.1	0.7253923	0.4569693	265	0.789781
Fructose.6.phosphate.10	-> YBR196C_1779775_at	0.71419122	0.4601257	266	0.792247
Glucose.6.phosphate.1	-> YGL253W_1770167_at.3	0.6973165	0.4649644	267	0.797579
YLR164W_1779688_at.1	-> Fumaric_acid.11	0.6830946	0.46912294	268	0.80171
Serine.8	-> YMR296C_1776857_at	0.6752688	0.4714435	269	0.802681
Glyceric_acid.3.phosphate.1	-> YER081W_1779031_at	0.6659081	0.4742501	270	0.804469
YKL106W_1776650_at.1	-> Glutamic_acid.26	0.6447848	0.4807104	271	0.812418
Glutamic_acid.14	-> YLR027C_1774241_at.1	0.5971329	0.495972	272	0.835048
Aspartic_acid.2	-> YPR145W_1772615_at	0.5917885	0.4977467	273	0.835048
YGL026C_1779478_at	-> Serine.12	0.5826807	0.500802	274	0.837107
YOL058W_1779309_at	-> Aspartic_acid.12	0.5768902	0.5027651	275	0.837332
YLR027C_1774241_at.1	-> Glutamic_acid.14	0.5699336	0.505145	276	0.83775
Glyceric_acid.3.phosphate	-> YIL074C_1773600_at	0.5655006	0.506674	277	0.83775
YPR074C_1778503_at	-> Ribose.5.phosphate.8	0.5522977	0.5112867	278	0.841903
Succinic_acid.12	-> YGR244C_1778290_at	0.5478452	0.5128624	279	0.841903
YHR091C_1774813_at	-> Arginine.2	0.5332162	0.5181134	280	0.844999
Glutamic_acid.31	-> YOR241W_1778173_at	0.5227695	0.5219344	281	0.844999
Phenylalanine.1	-> YLR027C_1774241_at.2	0.5212439	0.5224976	282	0.844999
Asparagine.2	-> YDR321W_1775295_at.1	0.5172857	0.5239647	283	0.844999
YJL071W_1773952_at	-> Glutamic_acid.12	0.5161527	0.52438623	284	0.844999
Glutamic_acid.32	-> YDR111C_1778563_at.1	0.5123193	0.5258181	285	0.844999
YER023W_1778412_at	-> Proline.3	0.4953604	0.53225609	286	0.849679
Tyrosine.4	-> YKL106W_1776650_at.3	0.4908478	0.53399828	287	0.849679
YER081W_1779031_at	-> Glyceric_acid.3.phosphate.1	0.4900267	0.5343166	288	0.849679
YLR058C_1776401_at.1	-> Glycine.4	0.4853166	0.5361509	289	0.849679
Succinic_acid.14	-> YLR164W_1779688_at	0.4746753	0.5403465	290	0.852185
YCL040W_1779150_at	-> Glucose.11	0.4718966	0.541454	291	0.852185
YMR250W_1774495_at	-> Aspartic_acid.5	0.46499638	0.5442262	292	0.853615
YBR117C_1778142_at.1	-> Fructose.6.phosphate.7	0.4520253	0.5495241	293	0.855425
YKL141W_1777334_at	-> Succinic_acid.10	0.4512836	0.5498305	294	0.855425
Isoleucine.3	-> YBL076C_1779139_at	0.4442181	0.552769	295	0.855425

YCL040W_1779150_at.1	-> Glucose.6.phosphate.7	0.4440224	0.55285087	296	0.855425
YHR208W_1779000_at.2	-> Valine.1	0.4265997	0.5602534	297	0.856637
YGR287C_1770859_at.1	-> Glucose.3	0.4172477	0.5643208	298	0.856637
YLL018C_1776523_at	-> Aspartic_acid.7	0.415753237	0.564977	299	0.856637
Leucine	-> YLR382C_1773389_at	0.4156212	0.5650351	300	0.856637
Homoserine	-> YJR139C_1769510_at.1	0.411024	0.5670654	301	0.856637
YOR142W_1778018_at	-> Succinic_acid.11	0.4089158	0.5680021	302	0.856637
Glutamic_acid.6	-> YAL062W_1772549_at	0.4044236	0.57001	303	0.856637
YCRO24C_1776019_at	-> Asparagine.3	0.4017956	0.5711923	304	0.856637
Fructose.6.phosphate.8	-> YPR074C_1778503_at.1	0.392034807	0.5756339	305	0.856637
YDR111C_1778563_at.1	-> Glutamic_acid.32	0.389979	0.5765797	306	0.856637
Glycine.4	-> YLR058C_1776401_at.1	0.3891055	0.5769826	307	0.856637
YDR178W_1772220_at	-> Succinic_acid.4	0.3880576	0.577467	308	0.856637
YKL194C_1769828_at	-> Threonine.1	0.3842027	0.5792567	309	0.856637
YHR074W_1775518_at	-> Glutamic_acid.22	0.3829961	0.57981965	310	0.856637
YER003C_1774627_at	-> Fructose.6.phosphate.4	0.3781155	0.5821097	311	0.857255
YGR094W_1780055_at	-> Valine.2	0.3709124	0.585529	312	0.85895
YDR232W_1775965_at	-> Glycine.3	0.36401525	0.5888481	313	0.85895
Glycine.5	-> YGL234W_1778252_at	0.3622843	0.5896882	314	0.85895
Glutamic_acid.20	-> YOL033W_1775445_at	0.3600786	0.59076283	315	0.85895
Succinic_acid.15	-> YER065C_1779905_at	0.35335404	0.5940684	316	0.861023
YJL045W_1774888_at.1	-> Fumaric_acid.6	0.3433464	0.5990715	317	0.861432
YHL011C_1776097_at	-> Ribose.5.phosphate.4	0.3420322	0.59973612	318	0.861432
Asparagine.1	-> YPR145W_1772615_at.2	0.3369427	0.60232709	319	0.861432
YDR516C_1770001_at	-> Glucose	0.3364457	0.6025816	320	0.861432
YMR205C_1772999_at	-> Fructose.6.phosphate.1	0.3341618	0.6037545	321	0.861432
YMR217W_1779734_at	-> Glutamic_acid.37	0.3216385	0.61028719	322	0.867847
Tyrosine.2	-> YIL116W_1774739_at.2	0.3183338	0.6120405	323	0.867847
YHR018C_1772287_at.1	-> Arginine	0.3053532	0.6190515	324	0.874558
Fructose.7	-> YJL216C_1778617_at	0.3014297	0.6212108	325	0.874558
YBR006W_1775744_at	-> Succinic_acid.8	0.29910042	0.6225019	326	0.874558
Threonine.4	-> YER086W_1776603_at.1	0.2826022	0.6318474	327	0.877093
YBR126C_1779408_at	-> Glucose.6.phosphate.8	0.2808889	0.6328388	328	0.877093

YEL047C_1771840_at	-> Succinic_acid.2	0.2804645	0.633085	329	0.877093
Alanine.4	-> YDR111C_1778563_at	0.276765	0.6352419	330	0.877093
Glycine.1	-> YEL046C_1772625_at	0.2762253	0.6355582	331	0.877093
YPR026W_1777053_at	-> Glucose.9	0.2758191	0.63579645	332	0.877093
Proline.1	-> YLR142W_1775678_at	0.2684591	0.6401555	333	0.879503
YIL162W_1770506_at	-> Fructose.1	0.2664079	0.6413845	334	0.879503
YKL148C_1772202_at	-> Succinic_acid.3	0.26212814	0.6439691	335	0.879754
YKL029C_1776811_at	-> Malic_acid.3	0.2566758	0.6473025	336	0.879754
YLL041C_1777010_at.1	-> Fumaric_acid.7	0.2566313	0.6473299	337	0.879754
YBL068W_1770750_at	-> Ribose.5.phosphate.2	0.2532421	0.6494258	338	0.879991
YLR164W_1779688_at	-> Succinic_acid.14	0.2444755	0.6549336	339	0.883293
YGR124W_1769642_at.1	-> Glutamic_acid	0.243241	0.65571948	340	0.883293
YJR139C_1769510_at.1	-> Homoserine	0.2338451	0.6617874	341	0.88817
YKL148C_1772202_at.1	-> Fumaric_acid.2	0.2297112	0.664507	342	0.88817
YBR184W_1775738_at.1	-> Glucose.6	0.2261816	0.66685412	343	0.88817
Aspartic_acid.12	-> YOL058W_1779309_at	0.222533	0.6693051	344	0.88817
YER062C_1778996_at	-> Glycerol.4	2.18E-01	0.6723425	345	0.88817
Tyrosine.1	-> YLR027C_1774241_at.3	0.2171512	0.6729675	346	0.88817
Succinic_acid.5	-> YMR118C_1773702_at	0.2151066	0.6743741	347	0.88817
YDR001C_1770456_at	-> Glucose.2	0.2085716	0.6789272	348	0.88817
YLR027C_1774241_at	-> Aspartic_acid.4	0.2050951	0.6813861	349	0.88817
Threonine	-> YJR139C_1769510_at	0.201317909	0.6840876	350	0.88817
Threonine.3	-> YIL078W_1774604_at	0.20047291	0.6846963	351	0.88817
YMR261C_1773683_at	-> Glucose.6.phosphate.2	0.199396	0.68547434	352	0.88817
YMR300C_1775736_at	-> Glutamic_acid.23	0.1965038	0.687577	353	0.88817
Fumaric_acid.1	-> YEL047C_1771840_at.1	0.1914141	0.6913246	354	0.88817
YFR053C_1775976_at.3	-> Glucose.6.phosphate.4	0.1907226	0.6918385	355	0.88817
YMR250W_1774495_at.1	-> Glutamic_acid.16	0.1861448	0.6952701	356	0.88817
Alanine.3	-> YOR335C_1776171_at	0.18429039	0.696675	357	0.88817
YMR118C_1773702_at	-> Succinic_acid.5	0.1838376	0.6970194	358	0.88817
YDR516C_1770001_at.1	-> Glucose.6.phosphate	0.1827896	0.69781841	359	0.88817
YLR155C_1777566_s_at.1	-> Asparagine.4	0.18238867	0.6981249	360	0.88817
YIL074C_1773600_at	-> Glyceric_acid.3.phosphate	0.1782047	0.7013477	361	0.889798

YCL004W_1779004_at	-> Serine.11	0.1716666	0.7064777	362	0.893513
YCL064C_1778479_at.1	-> Threonine.5	0.1650606	0.7117833	363	0.893513
YNL073W_1771061_at	-> Lysine.1	0.1646809	0.7120921	364	0.893513
YPL104W_1776799_at	-> Aspartic_acid.9	0.16461424	0.7121464	365	0.893513
YDR062W_1770116_at	-> Serine.1	0.159554	0.71630481	366	0.893513
YJL155C_1774340_at	-> Fructose.6.phosphate.2	0.1593757	0.7164528	367	0.893513
Glutamic_acid.3	-> YKL132C_1769938_at	0.15746827	0.718042	368	0.893513
Fumaric_acid.10	-> YJR051W_1778330_at.1	0.1520774	0.72259663	369	0.893513
YJR109C_1777097_at	-> Glutamic_acid.29	0.1478174	0.72626444	370	0.893513
Homoserine.2	-> YNL277W_1779413_at	0.14658073	0.7273409	371	0.893513
YGL234W_1778252_at	-> Glycine.5	0.1453329	0.7284326	372	0.893513
YER086W_1776603_at.1	-> Threonine.4	0.144975	0.7287468	373	0.893513
YER073W_1771943_at	-> Glyceric_acid	0.1439637	0.7296369	374	0.893513
YLR359W_1777563_at	-> Fumaric_acid.9	0.1403299	0.73286622	375	0.895074
YGR124W_1769642_at.2	-> Asparagine	0.1364419	0.7363765	376	0.896969
YJR148W_1777344_at.2	-> Valine	0.1281064	0.744105	377	0.903979
Succinic_acid.11	-> YOR142W_1778018_at	0.115332	0.7565388	378	0.908405
Aspartic_acid.8	-> YKL106W_1776650_at	0.11488649	0.7569864	379	0.908405
Succinic_acid.1	-> YPR006C_1770947_at	0.11483325	0.75704	380	0.908405
YJR051W_1778330_at	-> Succinic_acid.13	0.1146389	0.7572357	381	0.908405
YOR374W_1776624_at	-> Glyceric_acid.1	0.1142123	0.75766571	382	0.908405
YGL253W_1770167_at.1	-> Glucose.1	0.1117118	0.7602054	383	0.908413
YPL061W_1778325_at	-> Glyceric_acid.2	0.1087541	0.7632519	384	0.908413
YLL041C_1777010_at	-> Succinic_acid.9	0.10664521	0.7654529	385	0.908413
Valine.1	-> YHR208W_1779000_at.2	0.1065001	0.7656053	386	0.908413
Threonine.5	-> YCL064C_1778479_at.1	0.1042909	0.7679396	387	0.908828
YLR058C_1776401_at	-> Serine.6	0.09960726	0.77298289	388	0.912439
YBR196C_1779775_at	-> Fructose.6.phosphate.10	0.08512727	0.7894779	389	0.925677
YKL127W_1777971_at	-> Ribose.5.phosphate.6	0.08481108	0.7898549	390	0.925677
YBR184W_1775738_at	-> Glycerol.3	0.08447066	0.7902617	391	0.925677
Glutamic_acid.33	-> YKL104C_1778809_at	0.08139087	0.7939841	392	0.927649
Succinic_acid.9	-> YLL041C_1777010_at	0.07975302	0.7959954	393	0.927649
Leucine.3	-> YHR208W_1779000_at	0.07681724	0.7996585	394	0.929552

Phenylalanine.3	-> YKL106W_1776650_at.2	0.07458709	0.802492965	395	0.930486
YNL277W_1779413_at	-> Homoserine.2	0.07218878	0.8055935	396	0.931722
YER099C_1779140_at	-> Ribose.5.phosphate.11	0.06726753	0.8121369	397	0.935763
YDL171C_1776998_at	-> Glutamic_acid.27	0.06624742	0.8135256	398	0.935763
YKL132C_1769938_at	-> Glutamic_acid.3	0.06479856	0.815518	399	0.935763
YDR178W_1772220_at.1	-> Fumaric_acid.3	0.06354605	0.8172601	400	0.935763
YPR035W_1774425_at	-> Glutamic_acid.15	0.0601128	0.8221326	401	0.938539
YPR006C_1770947_at	-> Succinic_acid.1	0.05800051	0.8252053	402	0.938539
Fumaric_acid	-> YPL262W_1770087_at	0.05639315	0.82758407	403	0.938539
YIL078W_1774604_at	-> Threonine.3	0.05619409	0.8278812	404	0.938539
Aspartic_acid	-> YGR124W_1769642_at	0.05178235	0.83461689	405	0.941601
Citric_acid.1	-> YGL205W_1776791_at	0.05173286	0.8346942	406	0.941601
YPR145W_1772615_at	-> Aspartic_acid.2	0.0477882	0.8409847	407	0.944064
YBR001C_1776046_at	-> Glucose.8	0.04777856	0.84100039	408	0.944064
Succinic_acid.4	-> YDR178W_1772220_at	0.0461651	0.843653	409	0.944267
YER065C_1779905_at	-> Succinic_acid.15	0.04307969	0.8488662	410	0.944267
Aspartic_acid.9	-> YPL104W_1776799_at	0.04211084	0.8505437	411	0.944267
Ribose.5.phosphate.6	-> YKL127W_1777971_at	0.04135893	0.8518596	412	0.944267
YJR148W_1777344_at.1	-> Isoleucine.1	0.04047691	0.8534195	413	0.944267
YKL085W_1769857_at	-> Malic_acid	0.04040272	0.85355147	414	0.944267
YOR335C_1776171_at	-> Alanine.3	0.03709607	0.8595706	415	0.944789
Glycine.6	-> YOL049W_1778316_at	0.03676276	0.8601927	416	0.944789
Asparagine.4	-> YLR155C_1777566_s_at.1	0.03598647	0.8616531	417	0.944789
YOL061W_1770747_at	-> Ribose.5.phosphate.1	0.03549839	0.8625798	418	0.944789
Fructose.6	-> YDL246C_1777143_s_at	0.03458212	0.8643376	419	0.944789
YOL126C_1774081_at	-> Malic_acid.2	0.0330648	0.867302985	420	0.945212
YLR155C_1777566_s_at	-> Aspartic_acid.10	0.03228607	0.8688525	421	0.945212
Fumaric_acid.5	-> YMR118C_1773702_at.1	0.02934224	0.8748935	422	0.949488
YPL097W_1770460_at	-> Tyrosine	0.02838323	0.876929	423	0.949488
Succinic_acid	-> YLL058W_1770340_at	0.02709385	0.8797228	424	0.950267
Glycine.3	-> YDR232W_1775965_at	0.0253725	0.8835622	425	0.952168
Succinic_acid.8	-> YBR006W_1775744_at	0.02402108	0.8866718	426	0.953276
Aspartic_acid.5	-> YMR250W_1774495_at	0.02247042	0.8903533	427	0.954993

YNL220W_1778156_at	-> Aspartic_acid.11	0.02065939	0.8948227	428	0.956084
YGR208W_1771458_at	-> Serine.3	0.01934129	0.8982036	429	0.956084
YJL101C_1777080_at	-> Glutamic_acid.28	0.01774002	0.9024741	430	0.956084
YKL106W_1776650_at	-> Aspartic_acid.8	0.01765153	0.9027157	431	0.956084
YNR050C_1772003_at	-> Glutamic_acid.4	0.01724923	0.9038222	432	0.956084
YDR023W_1776877_at	-> Serine.9	0.0172224	0.90389642	433	0.956084
YER052C_1772562_at	-> Aspartic_acid.1	0.01615839	0.9068905	434	0.957041
Glutamic_acid.35	-> YHR208W_1779000_at.3	0.01503758	0.9101555	435	0.958279
Glycerol.4	-> YER062C_1778996_at	0.01281647	0.917015	436	0.962818
Succinic_acid.3	-> YKL148C_1772202_at	0.01197938	0.9197559	437	0.962818
Ribose.5.phosphate.7	-> YBR117C_1778142_at	0.01165465	0.9208453	438	0.962818
YLR438W_1775480_at	-> Glutamic_acid.21	0.01106156	0.9228755	439	0.962818
Aspartic_acid.7	-> YLL018C_1776523_at	0.008852583	0.930971	440	0.967143
YFL030W_1770767_at	-> Glycine	0.00878233	0.9312444	441	0.967143
YMR113W_1775174_at	-> Glutamic_acid.19	0.008026826	0.9342572	442	0.968076
YBR263W_1774806_at.1	-> Glycine.2	0.006731453	0.939778	443	0.969384
Glutamic_acid.27	-> YDL171C_1776998_at	0.005979874	0.94323	444	0.969384
Glycine	-> YFL030W_1770767_at	0.0059302	0.9434656	445	0.969384
YGL253W_1770167_at	-> Fructose	0.005462506	0.94573513	446	0.969384
Aspartic_acid.10	-> YLR155C_1777566_s_at	0.00517173	0.9471958	447	0.969384
Malic_acid.1	-> YPL262W_1770087_at.1	0.004972933	0.9482183	448	0.969384
YAR015W_1774134_at	-> Aspartic_acid.3	0.004045473	0.9532863	449	0.972141
YJR139C_1769510_at	-> Threonine	0.003726914	0.9551601	450	0.972141
YOR095C_1779097_at	-> Ribose.5.phosphate.10	0.001700895	0.96969431	451	0.984745
YKL141W_1777334_at.1	-> Fumaric_acid.8	0.001349203	0.9730066	452	0.985923
YNL241C_1776427_at	-> Glucose.6.phosphate.5	0.000776359	0.97952113	453	0.987402
YFR053C_1775976_at.2	-> Fructose.6.phosphate.5	0.000731494	0.9801215	454	0.987402
Threonine.2	-> YEL046C_1772625_at.1	0.000672849	0.9809347	455	0.987402
YPR074C_1778503_at.1	-> Fructose.6.phosphate.8	0.000424104	0.9848628	456	0.987964
Fructose.6.phosphate.9	-> YKL104C_1778809_at.1	0.000372848	0.98580683	457	0.987964
Glucose.6.phosphate.6	-> YJL153C_1779129_at	9.66E-05	0.99277523	458	0.992775

**Heat Stress**

<b>Cause</b>	<b>Effect</b>	<b>F-test</b>	<b>p-value</b>	<b>Rank</b>	<b>BH-correct lag=1</b>
Phenylalanine	-> YPR047W_1773228_at	346.7245713	0.000338067	1	0.081362
YLR155C_1777566_s_at	-> Aspartic_acid.10	339.26973	0.000349192	2	0.081362
Adenosine.5.monophosphate.9	-> YBR115C_1775044_at	1.29E+02	0.001464905	3	0.227549
Serine.12	-> YGL026C_1779478_at	92.8090474	0.002374055	4	0.276577
Glutamic_acid.8	-> YHR037W_1773117_at	63.87250813	0.00408835	5	0.312273
Valine.1	-> YHR208W_1779000_at.2	50.0899758	0.005800695	6	0.312273
Glutamic_acid.30	-> YJR148W_1777344_at.3	45.9289363	0.00656608	7	0.312273
Glutamic_acid.5	-> YOL140W_1772375_at	45.5591875	0.006642195	8	0.312273
Glutamic_acid.7	-> YPR145W_1772615_at.1	42.1239495	0.007425965	9	0.312273
Succinic_acid.6	-> YJL045W_1774888_at	41.23477	0.007654233	10	0.312273
YLR142W_1775678_at	-> Proline.1	37.179835	0.008860922	11	0.312273
Glutamine.8	-> YER090W_1776841_at	37.033517	0.00891032	12	0.312273
YLL041C_1777010_at.1	-> Fumaric_acid.7	35.362497	0.00950869	13	0.312273
YPR006C_1770947_at	-> Succinic_acid.1	32.802559	0.01056543	14	0.312273
Proline	-> YHR020W_1774658_at	31.3091986	0.01127591	15	0.312273
Serine.4	-> YBR263W_1774806_at	30.86414	0.01150318	16	0.312273
Valine	-> YJR148W_1777344_at.2	28.0643676	0.01312669	17	0.312273
YDR074W_1776531_at	-> Trehalose.2	28.03803	0.01314375	18	0.312273
Trehalose.3	-> YPR026W_1777053_at.1	25.91543	0.01465105	19	0.312273
Adenosine.5.monophosphate.4	-> YOL064C_1771215_at	25.50235546	0.01497805	20	0.312273
Glutamic_acid.3	-> YKL132C_1769938_at	25.1996759	0.01522546	21	0.312273
Threonine.1	-> YKL194C_1769828_at	24.683066	0.01566382	22	0.312273
Aspartic_acid.6	-> YDR321W_1775295_at	24.44419355	0.01587367	23	0.312273
Trehalose.1	-> YBR001C_1776046_at.1	24.21144	0.01608271	24	0.312273
Glutamic_acid.10	-> YDR300C_1773540_at	22.542968	0.01772592	25	0.315978
YDR001C_1770456_at.1	-> Trehalose	22.08267	0.01822907	26	0.315978
YER099C_1779140_at.1	-> Adenosine.5.monophosphate.21	2.20E+01	0.01830773	27	0.315978
Glutamic_acid.35	-> YHR208W_1779000_at.3	19.809059	0.02110502	28	0.351248
Isoleucine.3	-> YBL076C_1779139_at	18.537658	0.0230611	29	0.3654
Aspartic_acid.2	-> YPR145W_1772615_at	17.9617667	0.02404896	30	0.3654
Glutamine.11	-> YKL104C_1778809_at.1	17.8174009	0.0243077	31	0.3654

YFR053C_1775976_at	-> Fructose.5	16.90883	0.02604854	32	0.379332
Threonine.4	-> YER086W_1776603_at.1	15.94795218	0.02812811	33	0.397203
Glutamic_acid.21	-> YLR438W_1775480_at	15.1569201	0.03005726	34	0.404883
Glucose.6	-> YBR184W_1775738_at	14.51784049	0.03178309	35	0.404883
Trehalose.2	-> YDR074W_1776531_at	14.4144	0.03207801	36	0.404883
Phenylalanine.3	-> YKL106W_1776650_at.2	14.1844507	0.0327502	37	0.404883
Alanine.3	-> YOR335C_1776171_at	14.095624	0.03301619	38	0.404883
Alanine.1	-> YFL030W_1770767_at.1	13.54761512	0.03474011	39	0.4151
Threonine.2	-> YEL046C_1772625_at.1	13.033402	0.036499	40	0.418856
Glutamic_acid.37	-> YMR217W_1779734_at	12.08695	0.04015309	41	0.418856
Proline.3	-> YER023W_1778412_at	11.984951	0.04058328	42	0.418856
Glutamine.2	-> YPR145W_1772615_at.3	11.965996	0.04066407	43	0.418856
Aspartic_acid.10	-> YLR155C_1777566_s_at	11.88493	0.041012663	44	0.418856
Isoleucine.1	-> YJR148W_1777344_at.1	11.523407	0.04262982	45	0.418856
Homoserine.1	-> YHR025W_1777312_at	11.281578	0.04377203	46	0.418856
YDR321W_1775295_at.1	-> Asparagine.2	11.280736	0.0437761	47	0.418856
YPR026W_1777053_at.1	-> Trehalose.3	11.22057	0.04406828	48	0.418856
YBR263W_1774806_at	-> Serine.4	11.20687	0.04413525	49	0.418856
Threonine.3	-> YIL078W_1774604_at	10.83959285	0.04599661	50	0.418856
Isoleucine.2	-> YHR208W_1779000_at.1	10.6019632	0.04727201	51	0.418856
Adenosine.5.monophosphate.13	-> YHL011C_1776097_at.1	10.5723336	0.04743518	52	0.418856
Fructose.5	-> YFR053C_1775976_at	10.35104	0.04868423	53	0.418856
YBR001C_1776046_at.1	-> Trehalose.1	10.28717	0.049055	54	0.418856
YKL141W_1777334_at.1	-> Fumaric_acid.8	10.083694	0.0502682	55	0.418856
Fructose.4	-> YIL172C_1775391_s_at	9.9345209	0.05118989	56	0.418856
Glutamic_acid.36	-> YJL130C_1779682_at	9.93E+00	0.0512334	57	0.418856
Serine.1	-> YDR062W_1770116_at	9.76046	0.05230161	58	0.420216
Serine.7	-> YER086W_1776603_at	9.124949665	0.05672522	59	0.448033
YPL111W_1778654_at	-> Arginine.3	8.933028712	0.05818555	60	0.451908
Serine.9	-> YDR023W_1776877_at	8.6680956	0.06030747	61	0.459246
YJL045W_1774888_at	-> Succinic_acid.6	8.47161	0.061966299	62	0.459246
Glutamine.12	-> YJL130C_1779682_at.1	8.085059	0.06546191	63	0.459246
YPR145W_1772615_at.2	-> Asparagine.1	8.078807	0.06552115	64	0.459246



YLR027C_1774241_at.2	-> Phenylalanine.1	8.073152	0.0655748	65	0.459246
Glutamic_acid.15	-> YPR035W_1774425_at	8.026844	0.06601699	66	0.459246
YBR006W_1775744_at	-> Succinic_acid.8	8.025605	0.06602888	67	0.459246
Glutamic_acid.26	-> YKL106W_1776650_at.1	7.90778088	0.06717711	68	0.460361
Phenylalanine.6	-> YFL022C_1779336_at	7.6553558	0.06975283	69	0.462765
YLR164W_1779688_at.1	-> Fumaric_acid.11	7.4980583	0.07144282	70	0.462765
YPR035W_1774425_at.1	-> Glutamine.5	7.457291	0.07189204	71	0.462765
Proline.2	-> YER087W_1776689_at	7.440726	0.07207594	72	0.462765
YBR111C_1771955_at	-> Ribose.5.phosphate.3	7.4033911	0.07249329	73	0.462765
Glucose.7	-> YFR053C_1775976_at.1	7.285681	0.07383604	74	0.464967
Alanine.4	-> YDR111C_1778563_at	6.996863	0.07731353	75	0.475448
YFR053C_1775976_at.1	-> Glucose.7	6.894824	0.07860833	76	0.475448
YOR184W_1774801_at	-> Glutamic_acid.18	6.7839986	0.08005636	77	0.475448
YAL062W_1772549_at	-> Glutamic_acid.6	6.762102	0.08034776	78	0.475448
YPR026W_1777053_at	-> Glucose.9	6.701863	0.08115867	79	0.475448
Glutamic_acid.19	-> YMR113W_1775174_at	6.66789879	0.08162195	80	0.475448
Glutamine.14	-> YGR061C_1780004_at.1	6.5622854	0.08309132	81	0.478032
Glutamic_acid.16	-> YMR250W_1774495_at.1	6.091566	0.09021556	82	0.485319
Glutamine.3	-> YOR168W_1772939_at	6.0773913	0.0904459	83	0.485319
Serine.3	-> YGR208W_1771458_at	6.064023	0.09066404	84	0.485319
Glutamic_acid.14	-> YLR027C_1774241_at.1	6.041045	0.09104106	85	0.485319
YDR516C_1770001_at	-> Glucose	6.031445	0.09119936	86	0.485319
YER099C_1779140_at	-> Ribose.5.phosphate.11	6.0065412	0.09161216	87	0.485319
YHR018C_1772287_at.1	-> Arginine	5.8951396	0.09349784	88	0.485319
Adenosine.5.monophosphate.22	-> YDL141W_1779304_at	5.86E+00	0.09410607	89	0.485319
YMR118C_1773702_at	-> Succinic_acid.5	5.764815	0.09578806	90	0.485319
Glutamic_acid.23	-> YMR300C_1775736_at	5.653269	0.0978243	91	0.485319
Glutamic_acid.32	-> YDR111C_1778563_at.1	5.608258	0.09866666	92	0.485319
Glutamic_acid.13	-> YGR019W_1774010_at	5.503377898	0.1006775	93	0.485319
Adenosine.5.monophosphate.5	-> YBR111C_1771955_at.1	5.470039	0.1013313	94	0.485319
YBR299W_1774491_s_at	-> Fructose.3	5.4582102	0.1015649	95	0.485319
Asparagine.4	-> YLR155C_1777566_s_at.1	5.425319	0.1022194	96	0.485319
Aspartic_acid.4	-> YLR027C_1774241_at	5.376441605	0.1032052	97	0.485319

Glutamic_acid.6	-> YAL062W_1772549_at	5.334618	0.10406156	98	0.485319
Glutamic_acid.24	-> YGL245W_1776080_at	5.330842	0.1041394	99	0.485319
Adenosine.5.monophosphate.11	-> YLR153C_1775276_at	5.33054	0.1041457	100	0.485319
Trehalose	-> YDR001C_1770456_at.1	5.2787	0.1052253	101	0.485495
YER065C_1779905_at	-> Succinic_acid.15	5.2246014	0.1063722	102	0.485975
Adenosine.5.monophosphate.1	-> YOL061W_1770747_at.1	5.129832	0.1084328	103	0.490579
Glutamic_acid.25	-> YMR062C_1776272_at	4.829517	0.1154289	104	0.51721
Aspartic_acid.9	-> YPL104W_1776799_at	4.6514062	0.1199466	105	0.519954
Aspartic_acid.5	-> YMR250W_1774495_at	4.6056552	0.1211554	106	0.519954
YJR109C_1777097_at.1	-> Glutamine.10	4.5576438	0.1224463	107	0.519954
Glutamine.13	-> YMR217W_1779734_at.1	4.549457	0.1226687	108	0.519954
Glycine.5	-> YGL234W_1778252_at	4.507111	0.1238302	109	0.519954
Aspartic_acid.8	-> YKL106W_1776650_at	4.4888331	0.1243373	110	0.519954
YGL245W_1776080_at	-> Glutamic_acid.24	4.479266	0.1246041	111	0.519954
Malic_acid.3	-> YKL029C_1776811_at	4.427156676	0.1260746	112	0.519954
YMR250W_1774495_at.1	-> Glutamic_acid.16	4.426852	0.12608332	113	0.519954
YLR304C_1778035_at	-> Citric_acid.2	4.314286	0.1293623	114	0.524473
YDR111C_1778563_at.1	-> Glutamic_acid.32	4.312015	0.12942997	115	0.524473
Succinic_acid.9	-> YLL041C_1777010_at	4.211369	0.1324886	116	0.526645
Lysine.2	-> YDR037W_1779238_at	4.198867	0.1328771	117	0.526645
YGR124W_1769642_at.3	-> Glutamine	4.1212667	0.1353322	118	0.526645
Homoserine	-> YJR139C_1769510_at.1	4.073014866	0.1368978	119	0.526645
Leucine.2	-> YJR148W_1777344_at	4.0575999	0.1374044	120	0.526645
YNL277W_1779413_at	-> Homoserine.2	4.055808	0.1374635	121	0.526645
Citric_acid.2	-> YLR304C_1778035_at	4.043306	0.1378771	122	0.526645
YER090W_1776841_at	-> Glutamine.8	3.973459	0.14022675	123	0.52774
Glucose.9	-> YPR026W_1777053_at	3.96755	0.14042867	124	0.52774
Asparagine.2	-> YDR321W_1775295_at.1	3.891687	0.1430652	125	0.533347
Glutamic_acid.33	-> YKL104C_1778809_at	3.80704619	0.1461073	126	0.538735
Glutamic_acid.29	-> YJR109C_1777097_at	3.786377	0.1468669	127	0.538735
YER023W_1778412_at	-> Proline.3	3.69263	0.1503979	128	0.538735
Asparagine.1	-> YPR145W_1772615_at.2	3.684028	0.15072911	129	0.538735
Glutamic_acid.38	-> YGR061C_1780004_at	3.672153	0.1511884	130	0.538735

Glutamic_acid.27	-> YDL171C_1776998_at	3.66549437	0.151447	131	0.538735
Glycine.1	-> YEL046C_1772625_at	3.57427382	0.1550665	132	0.546394
YKL127W_1777971_at	-> Ribose.5.phosphate.6	3.5526718	0.1559452	133	0.546394
YNL316C_1777156_at	-> Phenylalanine.4	3.4377046	0.1607679	134	0.558421
YLR299W_1769870_at	-> Glutamic_acid.2	3.40047	0.1623845	135	0.558421
Fumaric_acid.7	-> YLL041C_1777010_at.1	3.387078	0.16297271	136	0.558421
Adenosine.5.monophosphate.20	-> YOR360C_1778594_at	3.245211947	0.1694342	137	0.576324
YDR178W_1772220_at	-> Succinic_acid.4	3.185382	0.1722916	138	0.581796
Glutamine.6	-> YHR074W_1775518_at.1	3.1242312	0.1752982	139	0.587457
Glutamine.5	-> YPR035W_1774425_at.1	3.08396	0.17732752	140	0.587457
Adenosine.5.monophosphate.14	-> YDR399W_1776262_at	3.075675893	0.17775	141	0.587457
Glutamic_acid.4	-> YNR050C_1772003_at	3.0381636	0.1796846	142	0.588122
YEL047C_1771840_at	-> Succinic_acid.2	3.00E+00	0.1819548	143	0.588122
Adenosine.5.monophosphate.21	-> YER099C_1779140_at.1	2.98E+00	0.18264153	144	0.588122
Glycine.4	-> YLR058C_1776401_at.1	2.975474	0.1829993	145	0.588122
YDR232W_1775965_at	-> Glycine.3	2.93023358	0.185457	146	0.590002
Alanine.2	-> YLR231C_1771376_at	2.890668	0.1876532	147	0.590002
YJR051W_1778330_at	-> Succinic_acid.13	2.88222975	0.1881273	148	0.590002
Glutamine.7	-> YMR300C_1775736_at.1	2.872993	0.1886487	149	0.590002
YBR263W_1774806_at.1	-> Glycine.2	2.786799	0.1936363	150	0.592857
Adenosine.5.monophosphate.6	-> YML022W_1771956_at	2.7560863	0.1954684	151	0.592857
YJR148W_1777344_at.1	-> Isoleucine.1	2.751381	0.19575176	152	0.592857
Serine.8	-> YMR296C_1776857_at	2.731054	0.1969839	153	0.592857
YOR303W_1773884_at.1	-> Glutamine.4	2.7286015	0.1971334	154	0.592857
Fructose.6	-> YDL246C_1777143_s_at	2.7275963	0.1971948	155	0.592857
Succinic_acid.5	-> YMR118C_1773702_at	2.617689	0.20410737	156	0.606158
YLR058C_1776401_at.1	-> Glycine.4	2.611596	0.2045028	157	0.606158
YEL047C_1771840_at.1	-> Fumaric_acid.1	2.595993	0.2055214	158	0.606158
YKL211C_1769851_at	-> Glutamine.1	2.5274442	0.2101019	159	0.609445
Threonine.5	-> YCL064C_1778479_at.1	2.5161355	0.2108745	160	0.609445
Succinic_acid.1	-> YPR006C_1770947_at	2.504426	0.21167971	161	0.609445
Aspartic_acid.1	-> YER052C_1772562_at	2.4827989	0.2131809	162	0.609445
YJR051W_1778330_at.1	-> Fumaric_acid.10	2.4477463	0.2156534	163	0.609445

Glucose.8	-> YBR001C_1776046_at	2.435975	0.2164949	164	0.609445
Succinic_acid.4	-> YDR178W_1772220_at	2.418296	0.2177693	165	0.609445
Glutamic_acid.34	-> YOR375C_1778816_at	2.409883	0.2183804	166	0.609445
Threonine	-> YJR139C_1769510_at	2.399709	0.2191233	167	0.609445
Valine.2	-> YGR094W_1780055_at	2.3916603	0.2197142	168	0.609445
Malic_acid.1	-> YPL262W_1770087_at.1	2.36098095	0.2219919	169	0.61212
Glutamic_acid.9	-> YDL215C_1773457_at	2.335776	0.223894	170	0.613733
Fructose	-> YGL253W_1770167_at	2.295647	0.2269812	171	0.618557
Phenylalanine.1	-> YLR027C_1774241_at.2	2.226895	0.2324455	172	0.629765
YHL011C_1776097_at	-> Ribose.5.phosphate.4	2.1839282	0.2359778	173	0.63564
YBR001C_1776046_at	-> Glucose.8	2.16745	0.2373574	174	0.635681
Citric_acid	-> YJL200C_1769943_at	2.1461704	0.2391598	175	0.636848
YDR341C_1773272_at	-> Arginine.1	2.091664	0.2438873	176	0.637916
Glucose.11	-> YCL040W_1779150_at	2.0700139	0.2458105	177	0.637916
Serine.10	-> YCL064C_1778479_at	2.0680227	0.2459887	178	0.637916
YER087W_1776689_at	-> Proline.2	2.060575	0.24665734	179	0.637916
YGL067W_1776299_at	-> Adenosine.5.monophosphate.15	2.03273474	0.249185	180	0.637916
YLR231C_1771376_at	-> Alanine.2	2.024051	0.2499826	181	0.637916
Fumaric_acid.1	-> YEL047C_1771840_at.1	2.021442	0.2502232	182	0.637916
Aspartic_acid.11	-> YNL220W_1778156_at	2.018313	0.2505122	183	0.637916
YGR287C_1770859_at.1	-> Glucose.3	1.956752	0.2563196	184	0.644172
Glucose.5	-> YIL172C_1775391_s_at.1	1.956332	0.25636	185	0.644172
YAR015W_1774134_at	-> Aspartic_acid.3	1.9485031	0.2571157	186	0.644172
Leucine.3	-> YHR208W_1779000_at	1.88331216	0.2635634	187	0.649988
YCR036W_1769967_at	-> Ribose.5.phosphate	1.8748446	0.2644218	188	0.649988
YOR335C_1776171_at	-> Alanine.3	1.84871	0.26710246	189	0.649988
Glutamic_acid.31	-> YOR241W_1778173_at	1.8467529	0.2673051	190	0.649988
Succinic_acid.3	-> YKL148C_1772202_at	1.840833	0.2679198	191	0.649988
YDR062W_1770116_at	-> Serine.1	1.836865	0.26833313	192	0.649988
YHR025W_1777312_at	-> Homoserine.1	1.827803	0.26928156	193	0.649988
Leucine.1	-> YPL160W_1776027_at	1.8153369	0.2705958	194	0.649988
YGR155W_1775526_at	-> Serine.5	1.73386	0.2794727	195	0.667868
Fructose.7	-> YJL216C_1778617_at	1.67312909	0.2864312	196	0.677413

Glucose	-> YDR516C_1770001_at	1.634658	0.29100022	197	0.677413
YDR111C_1778563_at	-> Alanine.4	1.628561	0.29173631	198	0.677413
YBR111C_1771955_at.1	-> Adenosine.5.monophosphate.5	1.599898	0.2952415	199	0.677413
Adenosine.5.monophosphate.2	-> YBL068W_1770750_at.1	1.5966008	0.2956496	200	0.677413
YHR208W_1779000_at.3	-> Glutamic_acid.35	1.582321	0.29742839	201	0.677413
YGL253W_1770167_at	-> Fructose	1.578364	0.2979248	202	0.677413
Adenosine.5.monophosphate.16	-> YKL181W_1776342_at.1	1.57E+00	0.2986405	203	0.677413
YEL046C_1772625_at.1	-> Threonine.2	1.572456	0.2986686	204	0.677413
YOR095C_1779097_at	-> Ribose.5.phosphate.10	1.560698683	0.3001586	205	0.677413
Proline.1	-> YLR142W_1775678_at	1.514079	0.306200421	206	0.677413
YBL076C_1779139_at	-> Isoleucine.3	1.505131	0.30738496	207	0.677413
Fructose.2	-> YGR287C_1770859_at	1.48E+00	0.3105123	208	0.677413
YGR208W_1771458_at	-> Serine.3	1.477541	0.31108997	209	0.677413
Serine.5	-> YGR155W_1775526_at	1.476035	0.3112945	210	0.677413
Adenosine.5.monophosphate.17	-> YOR143C_1777034_at	1.464963	0.3128059	211	0.677413
YJR109C_1777097_at	-> Glutamic_acid.29	1.447551	0.3152093	212	0.677413
Succinic_acid.2	-> YEL047C_1771840_at	1.445384	0.3155108	213	0.677413
YGR061C_1780004_at	-> Glutamic_acid.38	1.435307	0.3169196	214	0.677413
YLR359W_1777563_at	-> Fumaric_acid.9	1.433044	0.3172375	215	0.677413
YLR027C_1774241_at.1	-> Glutamic_acid.14	1.432387	0.31732999	216	0.677413
YMR300C_1775736_at.1	-> Glutamine.7	1.431521	0.3174517	217	0.677413
YKL148C_1772202_at	-> Succinic_acid.3	1.42535	0.3183227	218	0.677413
YBR299W_1774491_s_at.1	-> Glucose.4	1.42512171	0.318355	219	0.677413
Aspartic_acid.7	-> YLL018C_1776523_at	1.3961425	0.3225041	220	0.680858
YDL171C_1776998_at.1	-> Glutamine.9	1.393439	0.3228963	221	0.680858
Adenosine.5.monophosphate	-> YML035C_1769339_at	1.3583425	0.3280654	222	0.685487
YGR287C_1770859_at	-> Fructose.2	1.350933	0.3291759	223	0.685487
YPR035W_1774425_at	-> Glutamic_acid.15	1.348749	0.3295046	224	0.685487
YJL216C_1778617_at.1	-> Glucose.10	1.3018392	0.3367104	225	0.691297
Serine.2	-> YHR011W_1770696_at	1.2996315	0.3370566	226	0.691297
Arginine.1	-> YDR341C_1773272_at	1.295739	0.3376685	227	0.691297
YOR375C_1778816_at	-> Glutamic_acid.34	1.292172	0.3382312	228	0.691297
YDR001C_1770456_at	-> Glucose.2	1.238036	0.3469847	229	0.703122

YPR145W_1772615_at.3	-> Glutamine.2	1.237735	0.34703456	230	0.703122
YMR217W_1779734_at.1	-> Glutamine.13	1.220043	0.3499867	231	0.706034
YLL058W_1770340_at	-> Succinic_acid	1.17208514	0.3582265	232	0.714997
Succinic_acid.11	-> YOR142W_1778018_at	1.16564374	0.3593605	233	0.714997
YOR143C_1777034_at	-> Adenosine.5.monophosphate.17	1.163304	0.359774	234	0.714997
Citric_acid.1	-> YGL205W_1776791_at	1.158830182	0.3605673	235	0.714997
YDL215C_1773457_at	-> Glutamic_acid.9	1.143858	0.3632458	236	0.715752
Glycine.2	-> YBR263W_1774806_at.1	1.13957	0.3640196	237	0.715752
YMR300C_1775736_at	-> Glutamic_acid.23	1.089509	0.3732866	238	0.727304
YMR062C_1776272_at	-> Glutamic_acid.25	1.087339	0.3736982	239	0.727304
Glucose.3	-> YGR287C_1770859_at.1	1.082328	0.374652	240	0.727304
YLR153C_1775276_at	-> Adenosine.5.monophosphate.11	1.073997	0.3762477	241	0.727304
Glutamine.9	-> YDL171C_1776998_at.1	1.06648	0.3776987	242	0.727304
YJR139C_1769510_at	-> Threonine	1.048772	0.3811582	243	0.730945
YMR296C_1776857_at	-> Serine.8	1.01091	0.3887587	244	0.738975
Fumaric_acid.9	-> YLR359W_1777563_at	0.994547	0.3921327	245	0.738975
Leucine	-> YLR382C_1773389_at	9.84E-01	0.3942537	246	0.738975
Glutamic_acid.18	-> YOR184W_1774801_at	0.9836332	0.39441396	247	0.738975
Glutamic_acid.17	-> YIL116W_1774739_at	0.9822829	0.394698	248	0.738975
Serine	-> YER026C_1769395_at	0.9798796	0.3952044	249	0.738975
YGL253W_1770167_at.1	-> Glucose.1	0.9740123	0.3964459	250	0.738975
YPR047W_1773228_at	-> Phenylalanine	0.9576437	0.399949132	251	0.742459
YOL061W_1770747_at	-> Ribose.5.phosphate.1	0.95047771	0.4015014	252	0.742459
Glutamic_acid.11	-> YOR303W_1773884_at	0.917141849	0.4088763	253	0.747746
Glutamic_acid.2	-> YLR299W_1769870_at	0.9088583	0.4107492	254	0.747746
YGR061C_1780004_at.1	-> Glutamine.14	0.8988465	0.41303502	255	0.747746
Glutamine.10	-> YJR109C_1777097_at.1	0.8935893	0.4142451	256	0.747746
Glutamine.1	-> YKL211C_1769851_at	0.8878468	0.4155748	257	0.747746
YCL040W_1779150_at	-> Glucose.11	0.8837436	0.4165299	258	0.747746
YER005W_1775020_at	-> Adenosine.5.monophosphate.8	0.8829674	0.4167111	259	0.747746
YAL054C_1772915_at	-> Adenosine.5.monophosphate.7	0.8740744	0.4187975	260	0.747746
YJR130C_1775462_at	-> Succinic_acid.7	0.87405492	0.4188021	261	0.747746
Glucose.2	-> YDR001C_1770456_at	0.854258	0.4235202	262	0.7521

Fructose.1	-> YIL162W_1770506_at	0.8459504	0.425531	263	0.7521
YPL104W_1776799_at	-> Aspartic_acid.9	0.8377141	0.4275428	264	0.7521
YKL194C_1769828_at	-> Threonine.1	0.8310609	0.42918164	265	0.7521
YOL140W_1772375_at	-> Glutamic_acid.5	0.8253894	0.430588302	266	0.7521
Glycine.6	-> YOL049W_1778316_at	0.824039778	0.4309244	267	0.7521
YDR300C_1773540_at	-> Glutamic_acid.10	0.812755	0.43375454	268	0.753289
YFL022C_1779336_at	-> Phenylalanine.6	0.8049213	0.43574073	269	0.753289
YGL234W_1778252_at	-> Glycine.5	0.7964132	0.4379182	270	0.753289
Glutamic_acid.12	-> YJL071W_1773952_at	0.79581776	0.4380714	271	0.753289
YDL078C_1778808_at	-> Malic_acid.4	0.782084	0.4416342	272	0.756623
YMR105C_1778907_at	-> Ribose.5.phosphate.9	0.7691907	0.4450314	273	0.759651
YKL148C_1772202_at.1	-> Fumaric_acid.2	0.7466465	0.4510976	274	0.767195
YHR208W_1779000_at.1	-> Isoleucine.2	0.7390163	0.45318812	275	0.767948
Fumaric_acid.5	-> YMR118C_1773702_at.1	0.725006657	0.4570772	276	0.771732
YKL181W_1776342_at.1	-> Adenosine.5.monophosphate.16	0.7090666	0.4615844	277	0.776528
YJL130C_1779682_at.1	-> Glutamine.12	0.6882882	0.46759561	278	0.778742
Aspartic_acid.12	-> YOL058W_1779309_at	0.6775589	0.470762	279	0.778742
Arginine.2	-> YHR091C_1774813_at	0.676271313	0.4711449	280	0.778742
Adenosine.5.monophosphate.19	-> YGL248W_1777854_at	6.76E-01	0.4712313	281	0.778742
Succinic_acid.8	-> YBR006W_1775744_at	0.675898	0.47125607	282	0.778742
Succinic_acid.10	-> YKL141W_1777334_at	0.6673188	0.473825	283	0.780221
YHR074W_1775518_at	-> Glutamic_acid.22	0.64678	0.4800925	284	0.787325
YPR074C_1778503_at	-> Ribose.5.phosphate.8	0.6378866	0.4828594	285	0.787325
YBL068W_1770750_at	-> Ribose.5.phosphate.2	0.6326863	0.4844926	286	0.787325
Homoserine.2	-> YNL277W_1779413_at	0.6314026	0.4848975	287	0.787325
YCL064C_1778479_at.1	-> Threonine.5	0.6223782	0.4877638	288	0.789229
Fumaric_acid.10	-> YJR051W_1778330_at.1	0.6046147	0.4935096	289	0.795763
Glutamic_acid.20	-> YOL033W_1775445_at	0.59808064	0.4956587	290	0.796472
YIL162W_1770506_at	-> Fructose.1	0.5830748	0.500669	291	0.801759
Glutamine.4	-> YOR303W_1773884_at.1	0.5552819	0.5102363	292	0.814281
Adenosine.5.monophosphate.10	-> YDR441C_1775083_at	0.5491219	0.5124095	293	0.814958
Lysine	-> YIR034C_1770279_at	0.5266813	0.5204966	294	0.820615
YLR438W_1775480_at	-> Glutamic_acid.21	0.5184659	0.5235263	295	0.820615

YKL132C_1769938_at	-> Glutamic_acid.3	0.5126726	0.52568581	296	0.820615
Glutamic_acid.22	-> YHR074W_1775518_at	0.5105032	0.5264995	297	0.820615
Succinic_acid.12	-> YGR244C_1778290_at	0.5067794	0.5279025	298	0.820615
YJL200C_1769943_at	-> Citric_acid	0.5064463	0.5280284	299	0.820615
YLL041C_1777010_at	-> Succinic_acid.9	0.5037351	0.5290556	300	0.820615
Serine.11	-> YCL004W_1779004_at	0.498361524	0.5311043	301	0.820615
Ribose.5.phosphate	-> YCR036W_1769967_at	0.4940729	0.5327519	302	0.820615
Glycine	-> YFL030W_1770767_at	0.491939028	0.5335758	303	0.820615
YPL040C_1776686_at	-> Isoleucine	0.4865292	0.5356773	304	0.821137
Glucose.10	-> YJL216C_1778617_at.1	0.4778025	0.539106	305	0.823683
YML035C_1769339_at	-> Adenosine.5.monophosphate	0.4507121	0.5500669	306	0.835631
YLR155C_1777566_s_at.1	-> Asparagine.4	0.446092	0.5519862	307	0.835631
YKL141W_1777334_at	-> Succinic_acid.10	0.4453264	0.5523057	308	0.835631
YER026C_1769395_at	-> Serine	0.4286692	0.5593623	309	0.843569
YHR208W_1779000_at.2	-> Valine.1	0.4210768	0.56264727	310	0.843638
YNL220W_1778156_at	-> Aspartic_acid.11	0.420201	0.563029	311	0.843638
YNL073W_1771061_at	-> Lysine.1	0.4050342	0.5697361	312	0.84869
YOL058W_1779309_at	-> Aspartic_acid.12	0.4043508	0.5700427	313	0.84869
Ribose.5.phosphate.9	-> YMR105C_1778907_at	0.3928263	0.5752707	314	0.851998
YDR441C_1775083_at	-> Adenosine.5.monophosphate.10	0.386487	0.5781946	315	0.851998
Ribose.5.phosphate.2	-> YBL068W_1770750_at	0.3823386	0.5801269	316	0.851998
YHR074W_1775518_at.1	-> Glutamine.6	0.3808565	0.580821	317	0.851998
YMR217W_1779734_at	-> Glutamic_acid.37	0.37961	0.58140622	318	0.851998
YJR148W_1777344_at.3	-> Glutamic_acid.30	0.372964	0.58455024	319	0.85392
Fumaric_acid.11	-> YLR164W_1779688_at.1	0.3676828	0.58707761	320	0.854679
Succinic_acid.14	-> YLR164W_1779688_at	0.36024623	0.590681	321	0.854679
YIL116W_1774739_at	-> Glutamic_acid.17	0.3595991	0.5909971	322	0.854679
Phenylalanine.2	-> YIL116W_1774739_at.1	0.3547549	0.5933761	323	0.854679
YJL101C_1777080_at	-> Glutamic_acid.28	0.3500276	0.5957201	324	0.854679
YCL064C_1778479_at	-> Serine.10	0.3493174	0.5960741	325	0.854679
Arginine	-> YHR018C_1772287_at.1	0.3358917	0.60286558	326	0.860738
YJR148W_1777344_at.2	-> Valine	0.3336965	0.60399408	327	0.860738
YMR250W_1774495_at	-> Aspartic_acid.5	0.3144446	0.6141201	328	0.8725



YGR244C_1778290_at	-> Succinic_acid.12	0.2919081	0.626532	329	0.88626
Adenosine.5.monophosphate.7	-> YAL054C_1772915_at	0.2871091	0.6292586	330	0.88626
YKL104C_1778809_at.1	-> Glutamine.11	0.2866683	0.62951057	331	0.88626
Ribose.5.phosphate.11	-> YER099C_1779140_at	0.2555108	0.64802085	332	0.901042
Adenosine.5.monophosphate.12	-> YDR226W_1775928_at	0.24976834	0.6515931	333	0.901042
Asparagine	-> YGR124W_1769642_at.2	0.24812051	0.6526281	334	0.901042
Ribose.5.phosphate.5	-> YKL181W_1776342_at	0.2478254	0.6528139	335	0.901042
Fumaric_acid.4	-> YHR018C_1772287_at	0.244024	0.6552207	336	0.901042
Succinic_acid.15	-> YER065C_1779905_at	0.2439519	0.6552666	337	0.901042
Lysine.1	-> YNL073W_1771061_at	0.2418979	0.6565774	338	0.901042
Glyceric_acid	-> YER073W_1771943_at	0.23943168	0.6581609	339	0.901042
Fumaric_acid.2	-> YKL148C_1772202_at.1	0.23856	0.6587232	340	0.901042
YIL172C_1775391_s_at.1	-> Glucose.5	0.2267547	0.6664714	341	0.901042
YOL061W_1770747_at.1	-> Adenosine.5.monophosphate.1	0.2247974	0.6677809	342	0.901042
Aspartic_acid.3	-> YAR015W_1774134_at	0.2246762	0.6678623	343	0.901042
YGL026C_1779478_at	-> Serine.12	0.2206841	0.670556854	344	0.901042
YIL116W_1774739_at.1	-> Phenylalanine.2	0.2191945	0.6715703	345	0.901042
YKL181W_1776342_at	-> Ribose.5.phosphate.5	0.2183243	0.6721643	346	0.901042
Fumaric_acid.8	-> YKL141W_1777334_at.1	0.2175774	0.6726754	347	0.901042
YPR145W_1772615_at	-> Aspartic_acid.2	0.2172769	0.67288137	348	0.901042
YKL085W_1769857_at	-> Malic_acid	0.212289005	0.6763263	349	0.90306
YER170W_1771081_at	-> Adenosine.5.monophosphate.3	0.20653647	0.6803635	350	0.905855
Glucose.1	-> YGL253W_1770167_at.1	0.2032089	0.6827312	351	0.906418
Ribose.5.phosphate.6	-> YKL127W_1777971_at	0.1982705	0.6862903	352	0.907252
YKL106W_1776650_at	-> Aspartic_acid.8	0.1946814	0.6889119	353	0.907252
Malic_acid.4	-> YDL078C_1778808_at	0.1942892	0.6892002	354	0.907252
YHR018C_1772287_at	-> Fumaric_acid.4	0.1832689	0.6974526	355	0.91189
YOL126C_1774081_at	-> Malic_acid.2	0.18302013	0.6976424	356	0.91189
YGR094W_1780055_at	-> Valine.2	0.1805869	0.6995071	357	0.91189
YDR178W_1772220_at.1	-> Fumaric_acid.3	0.17711694	0.7021931	358	0.91189
YDR037W_1779238_at	-> Lysine.2	0.174218	0.7044618	359	0.91189
YCR024C_1776019_at	-> Asparagine.3	0.17421459	0.7044645	360	0.91189
Ribose.5.phosphate.8	-> YPR074C_1778503_at	0.1669348	0.7102652	361	0.911933

YPR145W_1772615_at.1	-> Glutamic_acid.7	0.1662446	0.710823007	362	0.911933
Adenosine.5.monophosphate.18	-> YLR359W_1777563_at.1	0.158132277	0.7174874	363	0.911933
YHR020W_1774658_at	-> Proline	0.1580844	0.71752736	364	0.911933
YIL172C_1775391_s_at	-> Fructose.4	0.1551342	0.72000234	365	0.911933
YBL068W_1770750_at.1	-> Adenosine.5.monophosphate.2	0.1536719	0.7212395	366	0.911933
YER052C_1772562_at	-> Aspartic_acid.1	0.1530976	0.7217274	367	0.911933
YHL011C_1776097_at.1	-> Adenosine.5.monophosphate.13	0.1522073	0.72248569	368	0.911933
YGR124W_1769642_at.1	-> Glutamic_acid	0.1507955	0.7236938	369	0.911933
Adenosine.5.monophosphate.8	-> YER005W_1775020_at	0.1503608	0.7240671	370	0.911933
YOR374W_1776624_at	-> Glyceric_acid.1	0.14636533	0.727529	371	0.912374
YNR050C_1772003_at	-> Glutamic_acid.4	0.1444017	0.729251	372	0.912374
YIR034C_1770279_at	-> Lysine	0.1399197	0.7332338	373	0.912374
Serine.6	-> YLR058C_1776401_at	0.139156458	0.7339196	374	0.912374
YDR023W_1776877_at	-> Serine.9	0.1388374	0.73420689	375	0.912374
YHR011W_1770696_at	-> Serine.2	0.1313602	0.7410542	376	0.918434
YJL130C_1779682_at	-> Glutamic_acid.36	0.1254812	0.7465996	377	0.922255
Phenylalanine.4	-> YNL316C_1777156_at	0.1232367	0.7487565	378	0.922255
Glutamine	-> YGR124W_1769642_at.3	0.1197274	0.7521748	379	0.922255
Fumaric_acid.6	-> YJL045W_1774888_at.1	0.11745979	0.7544145	380	0.922255
YDL246C_1777143_s_at	-> Fructose.6	0.1165653	0.7553048	381	0.922255
YOR168W_1772939_at	-> Glutamine.3	0.113941	0.7579397	382	0.922255
YLL018C_1776523_at	-> Aspartic_acid.7	0.1083223	0.7637005	383	0.922255
Aspartic_acid	-> YGR124W_1769642_at	0.1072241	0.7648463	384	0.922255
Fructose.3	-> YBR299W_1774491_s_at	0.105279	0.7668921	385	0.922255
YLR382C_1773389_at	-> Leucine	0.1031223	0.7691857	386	0.922255
YML022W_1771956_at	-> Adenosine.5.monophosphate.6	0.1028238	0.7695053	387	0.922255
Ribose.5.phosphate.4	-> YHL011C_1776097_at	0.1007938	0.7716927	388	0.922255
YIL078W_1774604_at	-> Threonine.3	0.09942242	0.77318464	389	0.922255
Glycine.3	-> YDR232W_1775965_at	0.09923387	0.7733907	390	0.922255
YPL262W_1770087_at	-> Fumaric_acid	0.09883864	0.7738233	391	0.922255
Ribose.5.phosphate.3	-> YBR111C_1771955_at	0.0958867	0.77708539	392	0.92378
YOR241W_1778173_at	-> Glutamic_acid.31	0.0881961	0.7858583	393	0.931101
YKL106W_1776650_at.2	-> Phenylalanine.3	0.0841721	0.79061924	394	0.931101

YDR226W_1775928_at	-> Adenosine.5.monophosphate.12	0.08311485	0.791891	395	0.931101
YHR208W_1779000_at	-> Leucine.3	0.08310924	0.7918978	396	0.931101
Glutamic_acid.1	-> YLR089C_1769691_at.1	0.07962839	0.7961494	397	0.931101
Adenosine.5.monophosphate.15	-> YGL067W_1776299_at	0.07881442	0.7971584	398	0.931101
YGR124W_1769642_at	-> Aspartic_acid	0.0769035	0.7995498	399	0.931101
YEL046C_1772625_at	-> Glycine.1	0.07570425	0.8010674	400	0.931101
Fumaric_acid.3	-> YDR178W_1772220_at.1	0.07502605	0.8019314	401	0.931101
YPL160W_1776027_at	-> Leucine.1	0.0740174	0.8032245	402	0.931101
Succinic_acid	-> YLL058W_1770340_at	0.07033294	0.8080316	403	0.933882
Malic_acid.2	-> YOL126C_1774081_at	0.06912924	0.8096318	404	0.933882
Glutamic_acid	-> YGR124W_1769642_at.1	0.066669	0.8129503	405	0.935338
YER086W_1776603_at.1	-> Threonine.4	0.06459742	0.81579657	406	0.935338
Ribose.5.phosphate.1	-> YOL061W_1770747_at	0.06379253	0.8169158	407	0.935338
YMR113W_1775174_at	-> Glutamic_acid.19	0.06104695	0.82079225	408	0.936211
Ribose.5.phosphate.7	-> YBR117C_1778142_at	0.060416589	0.8216955	409	0.936211
Glutamic_acid.28	-> YJL101C_1777080_at	0.0567422	0.8270644	410	0.938385
YLR164W_1779688_at	-> Succinic_acid.14	0.05636114	0.8276318	411	0.938385
YJL071W_1773952_at	-> Glutamic_acid.12	0.05282192	0.8330029	412	0.942183
Succinic_acid.13	-> YJR051W_1778330_at	0.05149561	0.8350651	413	0.942228
YKL106W_1776650_at.1	-> Glutamic_acid.26	0.04711129	0.84209157	414	0.947862
YJR148W_1777344_at	-> Leucine.2	0.04435335	0.846691	415	0.950742
Asparagine.3	-> YCR024C_1776019_at	0.04097788	0.8525313	416	0.95361
Glyceric_acid.1	-> YOR374W_1776624_at	0.04049803	0.8533819	417	0.95361
YOL064C_1771215_at	-> Adenosine.5.monophosphate.4	0.03925697	0.85560671	418	0.95361
YPL061W_1778325_at	-> Glyceric_acid.2	0.03824292	0.8574522	419	0.95361
Glucose.4	-> YBR299W_1774491_s_at.1	0.03697969	0.8597874	420	0.95361
YDL171C_1776998_at	-> Glutamic_acid.27	0.03605537	0.8615228	421	0.95361
Phenylalanine.5	-> YLR060W_1777242_at	0.03388805	0.8656855	422	0.955947
Fumaric_acid	-> YPL262W_1770087_at	0.03240332	0.868618	423	0.956917
YGR124W_1769642_at.2	-> Asparagine	0.02885362	0.8759262	424	0.960301
Glyceric_acid.2	-> YPL061W_1778325_at	0.02841668	0.8768574	425	0.960301
YKL104C_1778809_at	-> Glutamic_acid.33	0.02794469	0.8778717	426	0.960301
YOR142W_1778018_at	-> Succinic_acid.11	0.02655627	0.8809079	427	0.961366

YLR060W_1777242_at	-> Phenylalanine.5	0.0222392	0.8909133	428	0.970013
YJL045W_1774888_at.1	-> Fumaric_acid.6	0.01924882	0.8984452	429	0.974083
YDR321W_1775295_at	-> Aspartic_acid.6	0.01894379	0.89924625	430	0.974083
YOL033W_1775445_at	-> Glutamic_acid.20	0.01830709	0.90094	431	0.974083
Adenosine.5.monophosphate.3	-> YER170W_1771081_at	0.01754321	0.9030123	432	0.974083
Alanine	-> YLR089C_1769691_at	0.016428629	0.9061208	433	0.975179
Succinic_acid.7	-> YJR130C_1775462_at	0.01530282	0.909372	434	0.976422
YER073W_1771943_at	-> Glyceric_acid	0.01434728	0.9122285	435	0.976572
YJL216C_1778617_at	-> Fructose.7	0.01386637	0.9137029	436	0.976572
YPL262W_1770087_at.1	-> Malic_acid.1	0.01221801	0.9189649	437	0.979949
YBR184W_1775738_at	-> Glucose.6	0.01157971	0.92109886	438	0.979982
Isoleucine	-> YPL040C_1776686_at	0.01085404	0.9235989	439	0.98025
YHR091C_1774813_at	-> Arginine.2	0.009333293	0.9291291	440	0.98025
Ribose.5.phosphate.10	-> YOR095C_1779097_at	0.008950076	0.9305934	441	0.98025
YFL030W_1770767_at.1	-> Alanine.1	0.008877838	0.93087299	442	0.98025
YER086W_1776603_at	-> Serine.7	0.008594837	0.93197945	443	0.98025
YOR360C_1778594_at	-> Adenosine.5.monophosphate.20	7.48E-03	0.9365234	444	0.98025
YJR139C_1769510_at.1	-> Homoserine	0.007223758	0.9376215	445	0.98025
YBR117C_1778142_at	-> Ribose.5.phosphate.7	0.006993506	0.9386206	446	0.98025
YHR037W_1773117_at	-> Glutamic_acid.8	0.006618863	0.940282283	447	0.98025
Malic_acid	-> YKL085W_1769857_at	0.005187575	0.9471151	448	0.982828
YGR019W_1774010_at	-> Glutamic_acid.13	0.005059001	0.9477731	449	0.982828
Arginine.3	-> YPL111W_1778654_at	0.004807877	0.94908303	450	0.982828
YLR058C_1776401_at	-> Serine.6	0.004221994	0.9522799	451	0.983952
YLR359W_1777563_at.1	-> Adenosine.5.monophosphate.18	0.003434766	0.9569506	452	0.985509
YMR118C_1773702_at.1	-> Fumaric_acid.5	0.003252608	0.958106	453	0.985509
YDR399W_1776262_at	-> Adenosine.5.monophosphate.14	0.002945312	0.9601314	454	0.985509
YKL029C_1776811_at	-> Malic_acid.3	0.002165172	0.965811	455	0.985928
YGL205W_1776791_at	-> Citric_acid.1	0.002089205	0.9664155	456	0.985928
YFL030W_1770767_at	-> Glycine	0.001747162	0.9692852	457	0.985928
YLR089C_1769691_at.1	-> Glutamic_acid.1	0.001562182	0.9709555	458	0.985928
YOR303W_1773884_at	-> Glutamic_acid.11	0.001383299	0.9726678	459	0.985928
YOL049W_1778316_at	-> Glycine.6	0.001326617	0.9732333	460	0.985928

YCL004W_1779004_at	-> Serine.11	0.000778235	0.9794964	461	0.988039
YLR027C_1774241_at	-> Aspartic_acid.4	0.000773598	0.9795576	462	0.988039
YLR089C_1769691_at	-> Alanine	0.000242149	0.9885616	463	0.9931
YBR115C_1775044_at	-> Adenosine.5.monophosphate.9	2.31E-04	0.988838088	464	0.9931
YGL248W_1777854_at	-> Adenosine.5.monophosphate.19	7.56E-05	0.9936065	465	0.995743
YDL141W_1779304_at	-> Adenosine.5.monophosphate.22	9.64E-06	0.99771734	466	0.997717