

SUPPLEMENTAL MATERIALS

Molecular Biology of the Cell

Koga et al.

Table S1. RNA-sequencing of wild-type and *ccssΔ* cells

Red represents genes that upregulated in *ccssΔ* cells and annotated as GO:0071554.

GeneSymbol	Wild type1	Wild type2	Wild type3	ccss1	ccss2	ccss3	logFC	logCPM	PValue	GeneName
YGR031C-A	0	0	0	1.41908741	0	0	5.973733575	-1.4297381	0.00071021	NAG1
YMR158W-B	0	0	0	0.47302914	0.58640978	0.12912051	5.709637133	-1.6431574	1.15855E-05	YMR158W-B
YEL077W-A	0	0	0	1.00518691	0	0.06456026	5.584221329	-1.6921334	0.000738213	YEL077W-A
YBL068W-A	0	0	0	0.76867235	0	0.25824103	5.53298873	-1.7404795	9.79972E-05	YBL068W-A
YBL113W-A	0	0	0	0.7095437	0	0	5.024793416	-2.0137365	0.00267049	YBL113W-A
YNL017C	0	0	0	0.17738593	0.19546993	0.25824103	4.810354712	-2.1379176	0.002518438	YNL017C
YLR286W-A	0	0	0	0.47302914	0	0	4.486852731	-2.2764429	0.010584958	YLR286W-A
YPL102C	0	0.05755739	0	0.41390049	0.13031328	0.19368077	3.201064037	-1.9541351	0.004742487	YPL102C
YFL063W	0	0.05755739	0	0	0.13031328	0.15648206	2.958369604	-2.0734524	0.016182552	YFL063W
YBR056W-A	0.26304628	0.4029017	0.18157716	2.30601704	2.41079576	2.00136798	2.941557495	0.45944827	2.33086E-14	YBR056W-A
YOL013W-B	0	0.05755739	0	0.23651457	0.06515664	0.25824103	2.802994177	-2.1383278	0.025550598	YOL013W-B
YBR266C	0	0.17267216	1.33156586	9.04668223	0	0.25824103	2.608933103	0.99100996	0.006029487	SLM6
YMR031W-A	0	0	0.06052572	0.23651457	0	0.12912051	2.243547768	-2.3499901	0.13351439	YMR031W-A
YGR032W	345.182485	260.504725	350.746552	1314.42971	1430.64439	1444.40664	2.131143532	9.74431477	1.80906E-68	GSC2
YLR157W-D	0	0.05755739	0.06052572	0.29564321	0.26062657	0	2.015794914	-2.0743495	0.07556089	YLR157W-D
YBL111C	6.57615709	1.26626247	0.12105144	27.7313331	2.9320489	1.42032566	2.011184159	2.7810158	0.025216396	YBL111C
YJR120W	0.06576157	0	0	0.05912864	0.06515664	0.19368077	2.000010809	-2.4274151	0.227428225	YJR120W
YPL135C-A	0.06576157	0.17267216	0	0.82780099	0.13031328	0	1.916778425	-1.5989553	0.041957626	YPL135C-A
YKL165C-A	0.13152314	0	0	0.23651457	0.19546993	0.06456026	1.850022229	-2.1380153	0.120674898	YKL165C-A
YDL172C	1.31523142	1.1511477	1.87629734	7.92323803	2.73657898	4.58377827	1.810288735	1.76630827	1.2274E-06	YDL172C
YIR041W	0	0	0.24210288	0.29564321	0.19546993	0.32280129	1.649938117	-1.7396106	0.061860273	PAU15
YHR145C	0	0.17267216	0	0	0.58640978	0	1.536176787	-2.0122892	0.196425317	YHR145C
YGR043C	4.34026368	4.83482035	4.41837762	13.2448158	13.0964851	12.5246899	1.512382065	3.14475567	4.57686E-21	NQM1
YPL222C-A	0.19728471	0	0	0	0	0.58104232	1.510273759	-2.0116941	0.197929177	YPL222C-A
YMR316W	10.4560898	9.95742763	12.2867213	32.5207531	30.2978387	29.0521158	1.49034983	4.38241647	1.25946E-30	DIA1
YKL161C	9.79847406	10.014985	10.0472697	26.6670175	27.3006331	27.6963504	1.450176177	4.22303162	1.20611E-30	KDX1
YNL332W	1.44675456	0.86336078	0.90788581	2.71991753	2.73657898	2.90521158	1.384480935	1.02729295	1.30511E-06	THH2
YBR005W	15.9800617	17.4974451	16.039316	38.9657751	47.4991922	42.5452095	1.379402358	4.89871126	2.94985E-32	RCR1
YJR108W	0.13152314	0.28778693	0.12105144	0.47302914	0.52125314	0.4519218	1.359608955	-1.1381516	0.030953373	ABM1
YDL163W	0	0.63313124	0	0	0.78187971	0.9038436	1.34320349	-0.9822515	0.187046726	YDL163W
YKL102C	0.460331	0.17267216	0.24210288	0.59128642	0.97734963	0.64560257	1.337264608	-0.6654244	0.007279723	YKL102C
YOR068C	1.24946985	0.34534431	0.3026286	2.12863111	1.6940727	0.83928334	1.317822079	0.27412689	0.005199384	VAM10
YNL160W	171.834985	127.950067	150.043262	377.595508	361.814834	375.934378	1.31046582	8.02752553	5.53805E-33	YGP1
YJL107C	10.1930435	9.38185378	11.2577841	25.0114156	23.6518611	27.5026696	1.304665109	4.16373541	1.18557E-21	YJL107C
YCR081C-A	0.78913885	0.23022954	0.24210288	0.53215778	1.2379762	1.29120515	1.28543115	-0.2726998	0.007011879	YCR081C-A
YLR194C	58.7908444	60.6654839	61.4336066	119.676371	153.052953	165.855301	1.277115536	6.69072807	3.62142E-30	YLR194C
YJL108C	13.0865526	11.8568213	12.9525043	28.086105	32.9041043	30.3433209	1.268950726	4.43404645	1.91714E-24	PRM10
YLR121C	113.307187	82.3646181	110.88312	226.580956	252.547145	258.822071	1.267758023	7.44410344	1.69438E-26	YPS3
YMR254C	0.65761571	0.28778693	0.48420577	0.7095437	1.82438598	0.9038436	1.260119713	-0.1192772	0.00511039	YMR254C
YLR296W	0.26304628	0	0.84736009	0.29564321	1.30313285	1.09752437	1.259791342	-0.4251928	0.059804209	YLR296W
YGR164W	0.460331	0.17267216	0.06052572	0.35477185	0.78187971	0.51648206	1.251505259	-0.9814259	0.0374294	YGR164W
YOL151W	101.009773	88.8110453	87.1570379	217.889046	207.067809	218.923832	1.217528309	7.26261913	7.13308E-42	GRE2
YJR162C	0.13152314	0.17267216	0.06052572	0.29564321	0.19546993	0.38736154	1.211949665	-1.59758	0.136093763	YJR162C
YMR316C-A	0.98642356	1.26626247	1.4526173	2.30601704	3.45330204	2.90521158	1.210005304	1.1190857	2.05575E-05	YMR316C-A
YMR105W-A	0.19728471	0.11511477	0.06052572	0.35477185	0.39093985	0.12912051	1.208830459	-1.597448	0.137377045	YMR105W-A
YEL060C	211.686497	174.053533	206.211131	460.552993	452.512881	446.305058	1.199627242	8.34561375	6.94866E-34	PRB1
YKR091W	9.9299972	8.46093562	9.0183324	19.0985514	20.6546556	22.7897708	1.190787524	3.9140145	2.40815E-16	SRL3
YGL166W	16.1773464	15.9433957	13.6182872	42.0404645	34.0769239	27.6963504	1.183440491	4.64630211	1.71656E-14	CUP2
YPR036W-A	8.54900421	5.98596805	5.8104692	19.3350659	15.2466543	11.1689245	1.172701668	3.47610315	2.03755E-07	SPO24
YCL048W-A	0.06576157	0	0.12105144	0.29564321	0.06515664	0.06456026	1.159422773	-2.1384788	0.360060485	YCL048W-A
YHR094C	370.89526	290.261893	398.561871	692.573784	797.582458	874.533245	1.158010304	9.15681477	6.86429E-20	HXT1
YPL056C	1.77556241	2.07206587	2.36050311	3.6659758	4.43065167	4.81042315	1.154363919	1.78963939	3.78944E-06	LCL1
YMR008C	136.06069	112.352016	139.209158	269.922251	282.193418	292.845327	1.124468894	7.68300637	1.3639E-28	PLB1
YGR243W	3.81417111	4.20168912	3.57101753	8.57365309	7.68848379	8.97387576	1.120401269	2.64328853	6.30702E-10	MPC3
YKL178C	2.95927069	3.05054141	3.02628604	6.97717976	6.25503766	6.32690521	1.112864432	2.28685503	4.95044E-09	STE3
YNL093W	0.72337728	0.74824601	1.63419446	1.89211654	2.47595241	2.38872952	1.108946024	0.81363835	0.000579299	YPT53
YJL225W-A	1.24946985	1.43893463	1.27104014	5.79460692	1.2379762	1.42032566	1.094975452	1.15184624	0.029143769	YJL225W-A
YIL177W-A	1.24946985	1.43893463	1.27104014	5.79460692	1.2379762	1.42032566	1.094973842	1.15184624	0.029166651	YIL177W-A
YHR213W-B	0.26304628	0.57557385	0.66578293	1.89211654	0.58640978	0.71016283	1.073836405	-0.1240525	0.022959757	YHR213W-B
YLR099C	117.976258	99.0562598	113.848881	227.7044	227.657308	239.583115	1.070955906	7.41825798	5.43782E-30	ICT1
YHR030C	47.5456157	60.3201396	52.9600057	107.850643	106.53111	120.017518	1.054700326	6.3686929	2.88472E-26	SLT2
YJL133C-A	0.85490042	0.28778693	0.36315432	1.06431556	0.97734963	1.03296412	1.050299154	-0.1866911	0.011984118	YJL133C-A
YPL088W	11.1137055	14.2742315	13.3761843	25.6618306	29.3856457	24.4037772	1.032024459	4.3078574	1.27231E-13	YPL088W
YLR327C	1.44675456	1.03603293	0.24210288	2.60166025	1.62891606	1.29120515	1.027404974	0.58237075	0.019282514	TMA10
YFL058W	0.39456943	0.23022954	0.3026286	0.59128642	0.78187971	0.51648206	1.02055336	-0.7639651	0.056593003	THI5
YLR414C	52.0174026	47.081941	55.5626117	97.3848734	102.295928	109.946118	1.001511031	6.27541046	1.57067E-27	PUN1
YLR120C	172.098031	138.310396	173.890396	299.368314	336.85984	332.033403	0.999667398	7.91982363	8.37317E-21	YPS1
YOL150C	0.78913885	0.86336078	0.42368005	1.1234442	0.97734963	2.06592823	0.993028897	0.21093712	0.009781836	YOL150C

YGR189C	468.353908	378.900266	446.437717	787.179611	851.010905	935.413567	0.992361166	9.33229373	6.75242E-20	CRH1
YGR144W	3.28807854	3.33832834	3.14733748	6.26763605	5.8640978	7.29530907	0.988847735	2.31498777	3.31789E-07	TH4
YJR157W	0.06576157	0	0.24210288	0.23651457	0.26062657	0.12912051	0.985522809	-1.8426517	0.325243269	YJR157W
YIL117C	37.3525723	43.4558258	38.1917298	75.6255331	75.9726449	82.8308101	0.976812657	5.88268454	1.32936E-25	PRM5
YKL177W	0.13152314	0	0.12105144	0.05912864	0.13031328	0.32280129	0.974773012	-2.0120919	0.405795843	YKL177W
YBR109W-A	0	0	0.18157716	0	0.26062657	0.12912051	0.958853797	-2.2049609	0.521691521	YBR109W-A
YOR199W	0.32880785	0.28778693	0.12105144	0.35477185	0.58640978	0.51648206	0.958556352	-1.0423387	0.118922565	YOR199W
YHL050C	38.3389958	30.6205289	35.770701	72.018686	63.2670996	66.1742637	0.945567232	5.67598122	8.63812E-20	YHL050C
YBR203W	22.6219804	21.2386751	21.244528	40.5031198	41.8305643	42.8680108	0.943662498	4.99131516	7.05356E-21	COS111
YNL336W	61.8816382	43.3982684	56.1073432	102.115165	103.664218	103.812894	0.941033937	6.29592042	4.31087E-17	COS1
YMR034C	13.6784067	10.6481163	11.3183098	21.7593403	21.8274752	24.080976	0.926961213	4.113178	3.53221E-11	YMR034C
YFL066C	7.62834222	4.54703343	4.78153194	13.0083012	10.6205327	8.32827319	0.919683252	3.04588872	0.00010371	YFL066C
YPR096C	0	0.11511477	0	0.05912864	0.06515664	0.12912051	0.919402232	-2.4278802	0.693222535	YPR096C
YBR064W	0.13152314	0.34534431	0	0.29564321	0.32578321	0.32280129	0.919083421	-1.4685495	0.241262203	YBR064W
YMR001C-A	0	0.05755739	0.06052572	0.05912864	0.13031328	0.06456026	0.918583155	-2.4277662	0.693030994	YMR001C-A
YER181C	0	0.05755739	0.06052572	0.11825728	0.13031328	0	0.9171119816	-2.4279296	0.693249906	YER181C
YMR322C	0	0.05755739	0.06052572	0.11825728	0.13031328	0	0.917119444	-2.4279296	0.693244284	SN04
YDL184C	0.13152314	0	0	0	0.19546993	0.06456026	0.916577571	-2.4271865	0.693575158	RPL41A
YIL057C	0	0	0.12105144	0.11825728	0.06515664	0.06456026	0.916058463	-2.4278483	0.693190979	RG12
YJL222W-A	0	0.05755739	0.06052572	0.17738593	0.06515664	0	0.915399129	-2.4281092	0.693406717	YJL222W-A
YOR396C-A	0.13152314	0	0	0.11825728	0.06515664	0.06456026	0.913273686	-2.4275459	0.693150254	YOR396C-A
YLR467C-A	0.13152314	0	0	0.11825728	0.06515664	0.06456026	0.913264668	-2.4275459	0.693165002	YLR467C-A
YLR466C-A	0.13152314	0	0	0.11825728	0.06515664	0.06456026	0.913252937	-2.4275459	0.693184233	YLR466C-A
YLR158C	81.675871	65.903206	76.5045111	132.862059	139.500371	143.711133	0.893430086	6.73835828	2.37684E-21	ASP3-3
YLR157C	81.675871	65.903206	76.5045111	132.862059	139.500371	143.711133	0.89342999	6.73835828	2.39254E-21	ASP3-2
YLR155C	81.675871	65.903206	76.5045111	132.862059	139.500371	143.711133	0.893429922	6.73835828	2.40382E-21	ASP3-1
YLR160C	81.675871	65.903206	76.5045111	132.862059	139.500371	143.711133	0.893429854	6.73835828	2.41504E-21	ASP3-4
YOR220W	25.7785358	33.325726	24.3313398	50.377603	51.9298439	51.7773263	0.883086702	5.31084408	6.07234E-14	RCN2
YPL095C	73.4556747	68.8386326	70.028259	122.514546	133.31049	134.930938	0.880042209	6.65242234	1.35459E-25	EEB1
YJR159W	3.55112483	3.28077095	3.02628604	6.62240791	6.05956773	5.42306161	0.879133971	2.2557127	8.43499E-06	SOR1
YIL028W	0.92066199	1.20870509	1.02893725	1.8329879	2.28048248	1.74312695	0.877764947	0.69774783	0.003991775	YIL028W
YNL276C	1.24946985	0.74824601	0.78683437	1.89211654	1.6940727	1.48488592	0.876152309	0.51213625	0.00817472	YNL276C
YMR323W	0.13152314	0.05755739	0.18157716	0.29564321	0.32578321	0.06456026	0.87121165	-1.7396102	0.358141229	ERR3
YGL165C	9.40390463	13.4108707	13.01303	19.8672237	25.0201506	20.6592823	0.867373574	4.08768351	9.93798E-08	YGL165C
YJL094C	138.756915	117.53218	134.548677	226.226184	242.643336	240.680639	0.860574499	7.51945395	8.87891E-20	KHA1
YMR007W	0.19728471	0.74824601	1.27104014	1.18257284	1.43344613	1.48488592	0.859696393	0.23520652	0.031299831	YMR007W
YOR121C	0.39456943	0.05755739	0.18157716	0.47302914	0.58640978	0.06456026	0.853638275	-1.2750969	0.23567036	YOR121C
YML122C	1.31523142	1.38137724	1.63419446	2.77904617	2.73657898	2.32416926	0.852442759	1.10346092	0.001594931	YML122C
YLR099W-A	4.99787939	4.71970558	3.08681176	8.27800988	6.97176072	7.81179113	0.850580011	2.60651191	4.17806E-05	MIM2
YHR138C	4.20874054	5.92841067	4.84205766	9.51971136	8.92645999	8.65107447	0.849942308	2.83506426	2.67062E-06	YHR138C
YIR017W-A	2.36741655	0.86336078	1.08946297	2.42427432	2.99720554	2.259609	0.843200725	1.07174538	0.011448582	YIR017W-A
YOL047C	3.94569425	2.87786926	3.02628604	7.09543704	4.56096496	5.81042315	0.833169531	2.22365218	0.000283143	LDS2
YLR350W	71.417066	59.2841067	62.4625439	111.930519	117.477426	113.174131	0.827448253	6.48177238	5.90647E-20	ORM2
YMR194C-A	0.32880785	0.11511477	0.3026286	0.52125314	0.52125314	0.25824103	0.822993719	-1.1054341	0.20031806	YMR194C-A
YDR431W	0.13152314	0.17267216	0.18157716	0.17738593	0.52125314	0.19368077	0.822251909	-1.5097934	0.318092909	YDR431W
YAL034C-B	0.13152314	0.28778693	0.06052572	0.23651457	0.13031328	0.51648206	0.822062391	-1.5102405	0.321194771	YAL034C-B
YOR034C-A	0.32880785	0.28778693	0.3026286	0.41390049	0.52125314	0.71016283	0.81973967	-0.8690675	0.152940128	YOR034C-A
YDR374C	0.19728471	0.17267216	0.12105144	0.47302914	0.19546993	0.19368077	0.81350662	-1.5105256	0.316916109	PHO92
YNL208W	166.047966	170.542532	156.58004	315.037405	267.59833	282.866565	0.810737295	7.82321692	1.91871E-17	YNL208W
YPL149W	22.6877419	22.274708	23.7260826	35.0041561	42.612444	42.8680108	0.809569025	4.98245825	1.16165E-12	ATG5
YPL221W	295.664023	254.806544	302.386501	469.36316	503.530531	521.001276	0.808766866	8.61177972	2.38788E-16	FLC1
YLR156W	0.52609257	0.51801647	0.42368005	0.82780099	0.91219299	0.83928334	0.803445979	-0.3303463	0.061011033	YLR156W
YLR159W	0.52609257	0.51801647	0.42368005	0.82780099	0.91219299	0.83928334	0.803445633	-0.3303463	0.060960083	YLR159W
YLR161W	0.52609257	0.51801647	0.42368005	0.82780099	0.91219299	0.83928334	0.803445546	-0.3303463	0.060947245	YLR161W
YAL053W	242.002581	187.521961	233.145077	371.150486	387.812335	397.110142	0.803072424	8.24412622	4.12021E-14	FLC2
YCL064C	243.120527	303.500092	247.671249	472.85175	446.192686	460.895677	0.796665708	8.50177921	1.29429E-14	CHA1
YMR304C-A	19.3996634	15.3102644	15.5551102	27.6722045	28.4734527	30.9889235	0.795504477	4.52263874	5.51812E-10	YMR304C-A
YDR182W-A	0	0.05755739	0.18157716	0.05912864	0.13031328	0.25824103	0.794538138	-2.0739684	0.562891986	YDR182W-A
YDL023C	47.808662	40.1174974	46.9679593	76.3350768	73.1709093	84.1220152	0.793189832	5.94271207	5.05162E-16	YDL023C
YPR197C	9.86423563	7.25223053	7.62624082	12.2396289	15.116341	15.4299015	0.791638445	3.50291942	6.47679E-06	YPR197C
YOL106C	41.1009818	42.592465	40.6127587	80.8288536	69.1311974	64.5602573	0.787617514	5.82244954	4.01279E-15	CMK2
YLR222C-A	0.39456943	0.34534431	0.24210288	0.41390049	0.26062657	0.50296412	0.78266124	-0.8156018	0.18743012	YLR222C-A
YER106W	0.19728471	0.28778693	0.3026286	0.59128642	0.58640978	0.19368077	0.780874696	-1.043375	0.217795998	MAM1
YOR237W	7.62834222	5.35283682	8.89728096	11.6483425	12.5100753	13.3639733	0.779482332	3.32101208	4.913E-05	HES1
YER039C-A	0.39456943	0.23022954	0.36315432	0.59128642	0.65156642	0.4519218	0.778609239	-0.8157903	0.163792419	YER039C-A
YOR049C	46.0988612	38.9663497	42.489056	77.3993924	74.7346687	66.3679445	0.777827422	5.85233875	2.5009E-15	RSB1
YEL009C-A	0.19728471	0	0.24210288	0.47302914	0.06515664	0.19368077	0.774427251	-1.6436566	0.393525246	YEL009C-A
YNR059W	32.486216	31.6565618	30.8681178	54.339222	54.8618928	52.6811699	0.769005167	5.42340833	1.42878E-17	MNT4
YDR077W	3279.92411	2487.28484	3479.07896	4455.63882	5570.37166	5714.87397	0.767573851	12.0239578	1.09862E-08	SED1
YDL022W	332.556264	280.822482	312.433771	525.417113	512.652461	525.455934	0.756166542	8.69689076	1.53289E-15	GPD1
YLR108C	14.1387377	19.4543962	13.43671	26.1939884	26.3232835	26.7925068	0.751188262	4.40422111	2.14163E-07	YLR108C
YPR078C	2.56470126	1.78427894	2.05787451	2.77904617	3.90939854	4.06729621	0.747680976	1.56640345	0.003383489	YPR078C
YOR273C	152.501083	122.021657	146.895924	249.641127	228.374031	228.607871	0.746132496	7.55536489	2.5417E-13	TPO4

Q0055	2.0386087	1.49649201	2.17892595	3.13381803	3.84424189	2.58241029	0.744146134	1.41018704	0.004799125	AI2
YKR053C	28.2117139	30.2176272	25.7234313	44.4056101	45.8051195	50.4215609	0.739880871	5.23122992	1.19979E-12	YSR3
YJL088W	3.81417111	3.91390219	4.17627473	6.74066519	5.99441109	7.1016283	0.735425099	2.43455119	7.99668E-05	ARG3
YMR305C	936.707815	738.288579	910.488418	1388.57703	1391.94135	1523.36383	0.735250293	10.1652931	1.53431E-11	SCW10
YAL059C-A	0.92066199	4.02901696	0	3.78423309	2.67142233	1.8076872	0.73332189	1.2359323	0.372545469	YAL059C-A
YFL062W	0.460331	0.4029017	0.42368005	0.41390049	0.65156642	1.09752437	0.729581427	-0.5303975	0.129974731	COS4
YGL024W	0.65761571	0.69068862	0.3026286	1.41908741	0.78187971	0.51648206	0.726707416	-0.2235109	0.123804375	YGL024W
YAL047W-A	0.52609257	0.34534431	0.42368005	0.53215778	0.84703635	0.77472309	0.725918462	-0.5304247	0.120177107	YAL047W-A
YIL054W	0.13152314	0.28778693	0.06052572	0.11825728	0.4560965	0.25824103	0.721088574	-1.5529869	0.414860256	YIL054W
YCR005C	35.8400561	35.2826771	34.9838666	63.267647	57.9894116	53.455893	0.720118065	5.55196295	6.03872E-14	CIT2
YPR198W	116.989835	95.6028167	116.26991	164.14111	179.506549	196.134062	0.715100229	7.17842195	3.48876E-12	SGE1
YER085C	0	0	0.48420577	0.35477185	0.19546993	0.25824103	0.712574115	-1.5535109	0.426765022	YER085C
Q0065	0.78913885	0.86336078	1.33156586	1.24170148	1.6940727	2.00136798	0.712460879	0.52267582	0.032776632	AI4
YCR024C-A	0.39456943	0	0.12105144	0.17738593	0.19546993	0.4519218	0.708152878	-1.5521392	0.418982021	PMP1
YOR029W	0.13152314	0	0.06052572	0.05912864	0.13031328	0.12912051	0.706873454	-2.2753232	0.732875787	YOR029W
YGR161C	21.2409874	22.7351671	23.9681854	39.970962	38.3121057	32.4738094	0.7046985	4.90209182	1.11499E-09	RTS3
YMR230W-A	0.06576157	0.05755739	0.06052572	0.23651457	0.06515664	0	0.704364247	-2.2760765	0.733318311	YMR230W-A
YFL067W	3.48536326	3.05054141	2.72365744	6.3267647	4.88674817	3.74449492	0.696781705	2.05684946	0.003986642	YFL067W
YKL163W	12.100129	10.2452146	11.9840927	18.8029082	18.605829	17.818631	0.69671125	3.91526016	4.32979E-07	PIR3
YKL001C	9.60118935	14.044002	10.4709497	18.4481363	18.6999563	18.076872	0.691203331	3.9082073	1.51712E-05	MET14
YNR064C	4.66907153	6.38886975	5.02363483	8.10062396	8.34005021	9.55491807	0.687033574	2.83397072	0.000178069	YNR064C
YDL024C	2.17013184	2.35985279	2.78418316	3.60684716	4.36549503	3.80905518	0.681890778	1.72141549	0.002595004	DIA3
YPL067C	31.8943619	23.0229541	26.0260599	50.5549889	42.807914	36.1537441	0.680396703	5.13676359	1.7916E-06	YPL067C
YIL176C	0.13152314	0.17267216	0	0.17738593	0.26062657	0.06456026	0.678292615	-1.953819	0.597264951	PAU14
YJL223C	0.13152314	0.17267216	0	0.17738593	0.26062657	0.06456026	0.678292048	-1.953819	0.597244661	PAU1
YJL020W-A	1.70980084	2.12962325	1.81577162	4.43464815	3.3881454	1.22664489	0.678187223	1.37150512	0.07147647	YJL020W-A
YKL202W	4.40602525	3.91390219	3.32891464	7.86410939	4.75643489	5.87498341	0.671560732	2.36474531	0.004191779	YKL202W
YGL132W	1.70980084	1.72672155	0.66578293	3.13381803	1.95469927	1.42032566	0.670673523	0.92472825	0.076116545	YGL132W
YER038W-A	0.72337728	0.4029017	0.42368005	1.1234442	0.78187971	0.51648206	0.664109642	-0.3495763	0.161142753	YER038W-A
YEL059W	0.06576157	0.17267216	0.18157716	0.47302914	0.19546993	0	0.658953636	-1.6915946	0.511001776	HHY1
YER185W	3.02503226	2.35985279	3.02628604	4.37551951	4.30033839	4.51921801	0.652324927	1.8924719	0.002160593	PUG1
YFL031W	763.031507	574.883163	697.195778	1229.46185	1018.00738	946.13057	0.650174779	9.76745013	2.27914E-07	HAC1
YKR035W-A	4.99787939	0	3.93417185	9.04668223	4.95190481	0	0.649863362	1.98003528	0.461720492	DID2
YPL111W	63.0653465	64.7520583	64.7019955	114.94608	98.1259032	88.1247512	0.646064757	6.36473368	1.26234E-10	CAR1
YGL182C	0.26304628	0.34534431	0.18157716	0.53215778	0.26062657	0.4519218	0.645194004	-1.1061346	0.336166034	YGL182C
YJL171C	141.518901	108.841015	133.156586	210.202322	192.603035	194.842856	0.640557996	7.35421713	7.70792E-10	YJL171C
YOL011W	178.674188	154.599136	183.211357	261.525984	272.289608	268.50611	0.63561175	7.78064823	1.82036E-11	PLB3
YOR338W	29.7899916	31.4263323	30.989169	45.7064403	47.8249754	49.7113981	0.634496027	5.29808153	1.66763E-11	YOR338W
YDR079C-A	0.59185414	0.34534431	0.36315432	0.7095437	0.4560965	0.83928334	0.634422916	-0.5747058	0.221429619	TFB5
YGL156W	35.5770098	30.7932011	35.1654438	52.6244914	50.8873376	53.8432546	0.633074233	5.43450297	4.07695E-11	AMS1
YNR019W	142.439562	121.100738	148.166965	199.795681	213.25769	225.121617	0.632465892	7.45175149	1.97833E-10	ARE2
YMR104C	41.4297896	32.6292548	32.2602092	52.4471055	58.3803515	53.9078148	0.632144637	5.50044966	1.06176E-08	YPK2
YLR415C	0.19728471	0.28778693	0.48420577	0.05912864	0.65156642	0.83928334	0.631038353	-0.896057	0.302964317	YLR415C
YML101C-A	3.35384011	2.35985279	3.51049181	7.39108025	4.36549503	2.45328978	0.628076741	2.01490149	0.074862589	YML101C-A
YNL036W	18.8735708	28.0304466	21.8497852	35.0041561	36.0967798	35.2499005	0.626579787	4.87328176	2.81618E-06	NCE103
YDR072C	273.831181	221.250588	282.715642	347.321643	395.240192	457.280302	0.625410017	8.3649174	2.56292E-07	IPT1
YFL030W	17.3610547	17.036986	19.3682307	30.3329934	27.8870429	24.597458	0.623860189	4.51609633	6.40406E-07	AGX1
YGL006W	158.156578	154.771809	158.577388	235.036352	239.711287	251.333082	0.622816985	7.6416544	7.14339E-13	PMC1
YPL119C-A	0.72337728	0.69068862	1.02893725	1.41908741	1.2379762	1.09752437	0.618654781	0.20975399	0.073194963	YPL119C-A
YLR054C	3.41960169	3.22321357	2.42102883	4.13900494	4.1700251	5.61674238	0.618446953	1.97860652	0.007384777	OSW2
YGL217C	1.38099299	0.86336078	1.08946297	1.65560198	1.75922934	1.67856669	0.618109276	0.60363729	0.055318018	YGL217C
YDR055W	284.879125	221.077916	247.852827	361.985546	379.602598	413.379327	0.615760576	8.31381997	9.40294E-09	PST1
YIR013C	0.460331	0.34534431	0.66578293	0.82780099	0.71672306	0.71016283	0.615247805	-0.4274928	0.206054179	GAT4
YEL014C	0.19728471	0.4029017	0.36315432	0.59128642	0.4560965	0.4519218	0.614638111	-0.8976993	0.312002115	YEL014C
YHL048W	74.3105751	53.5859256	61.6757095	100.400434	94.9983844	94.1288551	0.612244999	6.32081268	1.72229E-08	COS8
YOR376W	0.06576157	0.11511477	0.3026286	0	0.39093985	0.38736154	0.611455073	-1.5970154	0.535525769	YOR376W
YDR111C	49.9130323	48.7511052	54.3520973	77.7541642	81.2503329	74.7607779	0.611294495	6.0127164	3.00722E-12	ALT2
YML131W	22.9507882	23.4834131	24.3313398	36.4232435	37.0741294	34.2169363	0.605722258	4.89995015	3.49135E-09	YML131W
YGR236C	0.26304628	0.34534431	0.24210288	0.76867235	0.26062657	0.25824103	0.605231795	-1.0439884	0.362614986	SPG1
YAL064W-B	0.65761571	0.69068862	0.42368005	0.82780099	1.36828949	0.51648206	0.604235821	-0.2047358	0.172257951	YAL064W-B
YHR199C-A	0.52609257	0.63313124	0.60525721	0.88692963	0.84703635	0.96840386	0.603319856	-0.2051978	0.116382686	NBL1
YPR150W	0.92066199	0.4029017	0.72630865	0.82780099	0.91219299	1.3557654	0.601660065	-0.0412892	0.140270548	YPR150W
YGL167C	221.682255	196.731142	234.900322	322.428485	327.346971	341.33008	0.601345588	8.09889156	2.86294E-10	PMR1
YPL096C-A	0.78913885	0.4029017	0.96841153	1.18257284	0.97734963	1.09752437	0.601063405	0.03246538	0.12437313	ERI1
YPL156C	15.9800617	19.5119536	18.4603448	27.0217894	26.3232835	28.600194	0.600693287	4.50886762	6.56914E-07	PRM4
YOR345C	0.78913885	0.34534431	0.3026286	0.17738593	0.39093985	1.61400643	0.598790041	-0.4866835	0.365636618	YOR345C
YMR011W	463.092982	394.498318	514.226524	693.415051	693.462144	786.989536	0.596222384	9.1658016	1.35749E-06	HXT2
YBR004C	57.7386592	49.3842365	56.2889203	59.3578971	65.609846	91.6110051	0.59386934	6.09633251	8.17866E-08	GPH18
YKL065W-A	0.13152314	0.17267216	0.06052572	0.29564321	0.13031328	0.12912051	0.592510605	-1.8431025	0.623707282	YKL065W-A
YDR040C	356.624999	276.563236	341.849271	458.542619	480.595393	530.104272	0.591653923	8.67051009	8.70838E-08	ENA1
YKL096W	382.929627	293.945566	345.480814	550.428528	507.83087	478.714308	0.588401261	8.73691122	8.05785E-08	CWP1
YJR078W	5.52397195	5.06504989	6.1130978	7.7458521	7.88395371	9.42579756	0.58426206	2.82115143	0.000978209	BNA2
YHR087W	8.68052735	7.82780438	5.93152064	14.4273887	10.9463159	8.19915267	0.583888167	3.2423403	0.009785498	RTC3

YDR413C	1.97284713	0	3.69206897	2.12863111	4.03971182	2.32416926	0.583512667	1.29632709	0.444362592	YDR413C
YDR112W	1.97284713	2.01450848	1.93682307	2.60166025	3.45330204	2.84065132	0.581005118	1.36984181	0.01846804	IRC2
YIL100C-A	0.26304628	0	0	0	0.13031328	0.25824103	0.578171911	-2.1373164	0.76305467	YIL100C-A
YFL064C	1.24946985	0.28778693	0.72630865	1.24170148	0.91219299	1.16208463	0.576568908	0.06232757	0.183094565	YFL064C
YLR122C	0.78913885	0.97847555	0.90788581	1.53734469	1.36828949	1.09752437	0.576334788	0.30887921	0.085530301	YLR122C
YLR465C	1.05218513	1.32381986	0.72630865	1.47821605	1.36828949	1.8076872	0.576329414	0.50064535	0.078650366	BSC3
YKR076W	13.481122	11.6265918	12.6498756	19.985481	18.2438598	17.9477515	0.57538712	3.97868838	1.97209E-05	ECM4
YJL026C-A	5.39244881	5.58306636	5.08416055	9.93361186	7.5581705	6.39146547	0.574656289	2.76299408	0.004809536	YJL026C-A
YOR314W	0.52609257	0.74824601	0.60525721	1.00518691	0.52125314	1.29120515	0.573324054	-0.1385628	0.172127082	YOR314W
YHR137C-A	11.639798	2.64763972	0.66578293	10.7022842	9.12192992	2.32416926	0.568662077	2.64659174	0.435004977	YHR137C-A
YPL222W	30.0530379	28.3182335	30.4444376	44.2873529	44.6974566	42.6097698	0.567660677	5.20319704	2.54801E-09	FMP40
YER144C	73.3899131	65.7880912	72.2677106	96.3796865	110.049569	106.911786	0.567504519	6.4520776	1.86428E-10	UBP5
YMR294W-A	21.9643647	26.6490693	20.3366422	38.31536	32.9041043	30.6015619	0.561947705	4.83760952	1.82331E-05	YMR294W-A
YML122W-A	156.512539	122.712345	124.743511	178.09547	211.302991	206.334582	0.560679695	7.38101402	3.99836E-07	YML122W-A
YDR391C	15.3882076	18.6485928	13.6788129	25.9574738	24.4988975	19.8845592	0.559184814	4.30770783	0.000245999	YDR391C
YHL037C	0.13152314	0.11511477	0.3026286	0.17738593	0.39093985	0.25824103	0.553981337	-1.5098462	0.548853553	YHL037C
YNL192W	261.796814	245.021789	272.668372	373.633889	383.83778	384.779133	0.551312572	8.32367574	6.92783E-10	CHS1
YCR037C	127.972017	117.99264	128.677682	177.681569	175.531994	195.230218	0.549942236	7.26626874	3.16231E-10	PHO87
YOR282W	0.39456943	0.28778693	0.3026286	0.7095437	0.4560965	0.25824103	0.546865664	-0.9254818	0.385238012	YOR282W
YBR287W	181.633459	142.6272	165.235218	231.19299	237.105221	244.683375	0.542891349	7.64744618	7.92425E-08	YBR287W
YPR195C	1.44675456	1.1511477	1.02893725	1.89211654	1.36828949	2.00136798	0.542781836	0.67919011	0.078055898	YPR195C
YHR028W-A	0.13152314	0.34534431	0.36315432	0.59128642	0.19546993	0.4519218	0.542210554	-1.0749285	0.436108181	YHR028W-A
YNL339C	62.8680617	84.8395857	111.972583	120.149401	117.477426	139.966638	0.539573842	6.73247333	0.000514224	YRF1-6
YOR152C	24.5290659	18.8212649	21.668208	30.1556074	29.5159589	34.6688582	0.538617611	4.73609861	2.11938E-05	YOR152C
YPR159W	628.746379	473.69728	560.710277	778.0738	799.406844	835.216048	0.536820501	9.4080948	9.94142E-07	KRE6
YPL171C	2.10437027	2.07206587	2.11840023	3.84336173	2.34563912	2.26321158	0.535280003	1.42939727	0.038389359	OYE3
YNR075W	24.1344965	20.5479865	23.3629282	28.5000054	35.2497435	34.8625389	0.535199135	4.80021732	1.33273E-05	COS10
YIL055C	21.1094642	19.5119536	20.2761165	26.6670175	31.7964414	29.3749171	0.528099479	4.63715934	5.85338E-06	YIL055C
YMR238W	127.511686	120.755394	120.748813	174.547751	173.642452	183.351131	0.526624457	7.23067302	2.07821E-10	DFG5
YPR002W	4.53754839	5.52550897	5.02363483	6.68153655	7.5581705	7.5535501	0.525324013	2.64688042	0.00300519	PDH1
YJL159W	1926.41946	1627.14728	2020.95382	2503.21106	2698.85328	2820.25028	0.525179077	11.1460755	7.85934E-07	HSP150
YEL059C-A	0.85490042	0.92091816	0.48420577	1.41908741	0.78187971	1.03296412	0.521935088	0.05996295	0.181972587	SOM1
YMR206W	3.02503226	2.12962325	2.84470888	4.02074766	3.51845868	3.87361544	0.51867559	1.74399588	0.025677587	YMR206W
YNL289W	71.3513044	77.3571256	67.0019729	109.565374	103.599061	95.6783013	0.517713061	6.45194119	1.11034E-08	PCL1
YGR176W	4.20874054	4.89237774	4.17627473	7.45020889	5.47315795	6.06866418	0.516648098	2.46177136	0.009638987	YGR176W
YIR039C	9.66695092	8.57605039	9.92621821	12.5944007	14.5950879	13.041172	0.514153422	3.52391898	0.00073816	YPS6
YJL225C	245.948275	209.451325	253.844873	334.076827	354.90823	321.962003	0.511479774	8.16386677	2.66407E-07	YJL225C
YLR142W	9.79847406	8.97895208	9.68411533	13.3630731	13.4874249	13.6867745	0.510804443	3.53708433	0.000373312	POT1
YPR154W	62.670777	51.859204	64.7019955	79.114123	84.1823818	91.9983666	0.51068152	6.18010154	4.9137E-07	PIN3
YIL068W-A	1.64403927	2.93542664	2.42102883	3.37033259	3.19267547	3.48625389	0.510519732	1.57115397	0.038973504	YIL068W-A
YDR085C	15.2566844	16.7491991	16.3419446	23.5923282	22.0229451	23.2416926	0.509253691	4.29665945	2.43084E-05	AFR1
YGR268C	27.3568135	21.8718064	24.5734426	32.7572677	36.0967798	36.0891838	0.50901742	4.9011253	8.89197E-06	HUA1
YLR247C	87.4628893	89.2715044	84.6149577	124.584049	130.182971	116.466704	0.506257404	6.72162263	1.39942E-09	IRC20
YFL059W	5.32668724	5.46795159	4.17627473	9.22406815	5.66862788	6.32690521	0.506201398	2.6243702	0.026163106	SNZ3
YNL134C	151.185851	140.152233	128.314528	197.371407	193.124288	204.204094	0.503174813	7.40222763	3.76615E-08	YNL134C
YAR047C	0.26304628	0.28778693	0.54473149	0.7095437	0.52125314	0.32280129	0.502513497	-0.816742	0.412088225	YAR047C
YHR209W	13.5468836	13.8713298	12.2261956	16.9699203	20.0030892	19.2389567	0.502332351	4.00708274	0.000244992	CRG1
YOR139C	2.76198598	2.59008233	2.48155455	4.43464815	3.45330204	3.16345261	0.500944771	1.71043971	0.033719467	YOR139C
YOR208W	53.8587265	54.9673028	51.9915942	63.8589334	79.0350071	84.6384973	0.499817605	6.01823332	2.34903E-06	PTP2
YDR290W	0	0.11511477	0.18157716	0.05912864	0.26062657	0.12912051	0.49906879	-2.012671	0.782553384	YDR290W
YAL018C	0.13152314	0.05755739	0.12105144	0.05912864	0.39093985	0	0.495969877	-2.0122416	0.78404202	LDS1
YFL019C	0.06576157	0.17267216	0.06052572	0.17738593	0.13031328	0.12912051	0.4952155	-2.0129744	0.781939487	YFL019C
YER130C	41.4297896	54.2766142	46.5442793	69.2987684	67.2416548	63.9146547	0.493573517	5.83912331	1.96985E-06	COM2
YOR134W	5.91854138	5.23772205	6.17362352	7.21369433	9.77349634	7.42442959	0.493188717	2.81975584	0.009048505	BAG7
YMR102C	91.0140141	84.6669135	86.2491521	128.42741	123.080897	115.36918	0.486622839	6.71300513	7.50793E-09	YMR102C
YLL059C	0.92066199	0.51801647	0.78683437	0.65041506	1.56375941	0.9038436	0.48261558	0.00434046	0.25755236	YLL059C
YBR226C	3.87993268	5.12260728	5.68941775	7.45020889	6.64597751	6.45602573	0.480912645	2.58604667	0.013915391	YBR226C
YMR174C	0.19728471	0.11511477	0.18157716	0.17738593	0.32578321	0.19368077	0.480524083	-1.6430973	0.664675099	PAI3
YMR040W	1.64403927	2.35985279	2.17892595	2.42427432	2.86689226	3.35713338	0.472382809	1.37443536	0.067345668	YET2
YDL123W	22.8192651	19.2241666	27.2971001	32.698139	33.0995743	30.0205196	0.467323001	4.78832299	0.000386767	SNA4
YNR076W	3.87993268	2.93542664	3.75259469	6.03112149	4.75643489	3.74449492	0.465855982	2.10644315	0.046150207	PAU6
YLL064C	3.87993268	2.93542664	3.75259469	6.03112149	4.75643489	3.74449492	0.465854099	2.10644315	0.046178687	PAU18
YMR140W	42.6134979	46.9668263	44.2443019	63.4450329	58.836448	62.4297688	0.464417413	5.73358723	1.88854E-07	SIP5
YGL074C	2.0386087	1.95695109	1.21051442	2.2468884	2.34563912	2.58241029	0.462006515	1.12464545	0.093062376	YGL074C
YPL233W	14.2044993	13.6986577	14.2235444	20.6950247	20.589499	16.6565464	0.460621586	4.06992676	0.000905661	NSL1
YOL126C	29.8557532	26.7641841	28.3260373	37.8423309	39.5500819	39.3817569	0.459720404	5.07556317	4.50357E-06	MDH2
YFL013W-A	6.97072651	10.3027719	7.44466366	14.2500027	10.555376	9.16755653	0.45769176	3.31197334	0.031794837	YFL013W-A
YML101C	19.2681403	15.2527071	17.3708819	28.4408768	23.5215479	19.1098361	0.456363744	4.36547914	0.003758408	CUE4
YLR332W	89.1069285	75.5728467	95.1464331	97.9170312	121.126198	136.738625	0.453314779	6.68200216	0.000177989	MID2
YIL032C	0.85490042	0.34534431	0.36315432	1.24170148	0.52125314	0.32280129	0.450988293	-0.4481214	0.419388217	YIL032C
YBR071W	52.6092567	51.0534006	49.0258338	60.5477294	72.1935596	75.8583023	0.449578974	5.91422533	6.31282E-06	YBR071W
YBL095W	31.3025077	28.4909056	31.4128491	48.5446151	38.9636721	36.6702261	0.446769857	5.17082274	0.000184892	YBL095W
YOL015W	7.16801122	5.98596805	7.68676654	9.16493951	10.0992796	9.10299627	0.44575484	3.05466297	0.008217075	IRC10

YPL134C	28.9350912	28.1455613	26.0260599	40.9170203	36.7483462	35.379021	0.444900532	5.03604069	3.05248E-05	ODC1
YPL061W	1348.1122	1303.84745	1276.3664	1967.20992	1764.63734	1614.65203	0.444707588	10.5942523	8.86701E-06	ALD6
YOL155C	198.86299	161.045564	189.627083	235.627638	254.501845	256.949824	0.443243315	7.75615384	9.26395E-06	HPF1
YJL158C	1505.67693	1206.51791	1524.82448	1908.79082	1889.34716	1958.37084	0.44217419	10.7018966	3.39743E-05	CIS3
YFL015C	0.19728471	0.28778693	0.24210288	0.47302914	0.19546993	0.32280129	0.44159187	-1.2762435	0.599125078	YFL015C
YHR032W-A	0.06576157	0.23022954	0.06052572	0	0.39093985	0.12912051	0.441362707	-1.8970027	0.801666617	YHR032W-A
YLR100W	157.498962	180.49996	174.374602	227.586143	236.518611	231.642203	0.441036818	7.6544148	1.12989E-06	ERG27
YLR056W	770.26528	568.78208	726.30865	862.509501	917.405523	1023.47376	0.440833612	9.66451002	0.000240749	ERG3
YGR177C	61.2240225	54.9673028	54.1705201	76.6898487	77.4712477	76.9558267	0.440708503	6.06639049	3.36875E-07	ATF2
YLR438C-A	4.99787939	4.77726297	4.53942906	8.98755359	5.27768802	5.10026032	0.440149441	2.52387638	0.071329432	LSM3
YGR087C	1.77556241	1.66916417	1.93682307	2.12863111	3.19267547	2.00136798	0.439907865	1.15878826	0.116712223	PDC6
YDR046C	275.935551	215.782637	262.318474	340.04882	346.56818	335.971579	0.4397368	8.2104066	1.96586E-05	BAP3
YMR251W	3.74840954	2.18718064	4.3578519	4.19813358	4.86674817	4.84201929	0.438708192	2.04993192	0.086712942	GTO3
YCL049C	33.0123086	25.6705938	31.8970549	43.6960664	39.0939854	39.7691185	0.43817376	5.15495154	0.000138679	YCL049C
YMR141C	4.7348331	4.20168912	4.72100622	5.85373556	6.18988101	6.45602573	0.438006026	2.45178692	0.016559665	YMR141C
YGR287C	10.9164208	10.763231	9.86569249	16.7925343	12.6403886	13.2348527	0.437748715	3.64352124	0.006549358	IMA1
YPR170C	0.65761571	0.11511477	0.36315432	0.59128642	0.4560965	0.4519218	0.436751393	-0.841847	0.492959486	YPR170C
YDL234C	49.189655	53.4132534	48.9653081	69.4761544	70.8252701	64.8184983	0.436014229	5.89637322	6.85207E-07	GPY7
YCL026C-B	7.10224965	8.1155913	7.80781798	9.87448322	10.3599061	10.9752437	0.435715322	3.19476647	0.005205739	HBN1
YBR085C-A	7.10224965	8.00047653	7.02098361	9.34232544	11.0766292	9.9035782	0.432014565	3.13533645	0.007722144	YBR085C-A
YHL049C	11.7713212	10.7056736	11.4393612	14.8412891	17.4619801	13.4285335	0.431432208	3.74211133	0.004280119	YHL049C
YDR059C	18.8735708	13.8713298	17.1893047	22.7645272	20.5243423	23.8872952	0.430293614	4.29411536	0.002474207	UBC5
Q0050	1.18370828	1.66916417	2.29997739	2.2468884	2.41079576	2.32416926	0.428765551	1.10260529	0.13106651	AI1
YLR101C	26.8964825	29.1240369	28.5076145	42.0995931	34.9891169	36.6056659	0.427901581	5.0516294	8.71926E-05	YLR101C
YBR036C	278.237206	215.091948	254.87381	348.681602	338.293287	318.79855	0.427076478	8.19192445	4.86971E-05	CSG2
YPR200C	1.31523142	1.78427894	1.08946297	1.77385926	2.08501255	1.8076872	0.425956596	0.82026152	0.163974936	ARR2
YLR235C	1.38099299	2.01450848	2.05787451	2.06950247	2.60626569	2.71153081	0.424990233	1.17751069	0.110756093	YLR235C
YHR096C	13.020791	11.9719361	11.3183098	14.4273887	17.9180766	16.3983053	0.424268363	3.8353564	0.003671868	HXT5
YCR024C-B	23.8056887	17.8427894	16.1603675	26.8444035	25.1504639	25.4367414	0.424148014	4.50063534	0.003354449	YCR024C-B
YIL012W	0.460331	0.23022954	0.48420577	0.65041506	0.58640978	0.32280129	0.423686449	-0.7900863	0.498267463	YIL012W
YOR348C	4.99787939	5.12260728	6.4157264	7.0363084	7.62332714	7.5535501	0.423459216	2.7167767	0.018575498	POT4
YLR284C	5.72125667	7.54001745	6.83940645	9.87448322	9.05677327	9.07003216	0.423214543	2.99691716	0.016084223	ECI1
YDL124W	121.461621	137.044134	121.35407	176.144225	164.976618	167.662988	0.421368724	7.21168989	1.5E-06	YDL124W
YJR019C	44.1917756	33.5559555	42.8522103	50.7323748	55.5134592	55.1344597	0.421166274	5.55719525	0.000152749	TES1
YPL054W	3.74840954	4.71970558	4.90258338	5.2033205	6.05956773	6.71426676	0.42069078	2.4175005	0.036508392	LEE1
YGR051C	0.59185414	0.92091816	0.48420577	0.94605827	0.78187971	0.96840386	0.420355735	-0.1386981	0.31601476	YGR051C
YDL177W	0.19728471	0.69068862	0.3026286	0.53215778	0.71672306	0.38736154	0.419964639	-0.7403957	0.43001138	YDL177W
YDR216W	75.4942834	64.406714	70.9966705	92.71137107	97.8652767	91.4173243	0.419767789	6.36187843	1.86908E-06	ADR1
YKR013W	367.278373	330.149161	381.130464	452.925398	492.193276	494.725251	0.416824278	8.71365678	1.14878E-05	PRY2
YJL172W	281.656808	237.309099	272.789424	344.897369	350.216952	361.731121	0.416785792	8.26770003	1.18671E-05	CPS1
YBR076W	4.7348331	3.05054141	3.81312041	5.67634963	4.49580832	5.22938084	0.416746979	2.2054333	0.062068602	ECM8
YJR115W	4.27450211	4.31680389	6.1130978	6.09025013	7.75364043	5.81042315	0.415990705	2.54622862	0.049578642	YJR115W
YLR125W	2.0386087	2.30229541	2.48155455	4.0798763	3.12751883	1.87224746	0.414578405	1.47729863	0.153837586	YLR125W
YDL016C	1.1179467	0.92091816	1.02893725	1.59647333	1.17281956	1.29120515	0.411897886	0.39110291	0.207098372	YDL016C
YPL028W	649.527035	535.398797	597.933596	849.323814	765.069293	754.709407	0.410262549	9.43483429	5.761E-05	ERG10
YPR145C-A	0	0.11511477	0.06052572	0.17738593	0	0.06456026	0.410258289	-2.3502588	1	YPR145C-A
YDR525W	0.13152314	0.05755739	0	0.05912864	0.13031328	0.06456026	0.40996199	-2.3495004	1	API2
YDL110C	17.6898626	19.1666093	14.526173	27.3174326	20.7849689	20.07824	0.409046998	4.32644075	0.008973186	TMA17
YDR521W	1.84132398	2.35985279	2.23945167	3.37033259	2.86689226	2.32416926	0.408636938	1.39547039	0.113281359	YDR521W
YPR182W	2.69622441	2.87786926	2.96576032	4.19813358	3.51845868	3.61537441	0.408413337	1.78139633	0.06492586	SMX3
YGR256W	8.48324264	7.48246007	6.23414924	10.4657696	10.2295928	8.71563473	0.408304979	3.12356889	0.020764392	GND2
YMR145C	468.156623	378.554922	445.650882	618.781239	541.842637	552.571242	0.406839331	8.96876005	0.000103699	NDE1
YOL002C	114.68818	101.531227	124.017202	147.939862	148.882928	154.169894	0.406757442	7.0441017	8.81226E-06	IZH2
YMR030W-A	0.26304628	0.17267216	0.18157716	0.23651457	0.32578321	0.25824103	0.404871013	-1.4680397	0.695081682	YMR030W-A
YKL118W	0.26304628	0.34534431	0	0.35477185	0.26062657	0.19368077	0.404324404	-1.4686614	0.698630084	YKL118W
YOR343C	0.52609257	0.57557385	0.60525721	0.47302914	0.71818791	1.03296412	0.403189843	-0.3489297	0.386813374	YOR343C
YGL051W	10.8506592	8.1155913	8.23149803	11.6483425	10.0341229	14.2032566	0.402298759	3.40800782	0.032853734	MST27
YDR402C	5.72125667	5.12260728	5.08416055	6.26763605	7.75364043	7.03706804	0.402129015	2.64869055	0.024683293	DIT2
YLL037W	2.82774755	4.14413173	3.38944036	4.73029136	4.49580832	4.51921801	0.401306022	2.05226713	0.054322088	YLL037W
YDR435C	30.9079383	34.4768737	33.1075693	46.2385981	41.8305643	41.9641672	0.400426341	5.25602435	5.32499E-05	PPM1
YOR153W	4409.51061	3688.50747	4482.77698	5392.05912	5726.48698	5462.76617	0.398342239	12.2468725	9.76493E-05	PDR5
YBR162C	1235.72568	918.155408	1128.80469	1418.61438	1397.60998	1508.38585	0.397743479	10.3083041	0.000451422	TOS1
YER035W	22.6877419	21.2962325	21.0024251	27.7904617	29.1901757	28.600194	0.397447682	4.65537736	0.000264542	EDC2
YCL041C	2.82774755	2.18718064	2.05787451	3.37033259	2.80173562	3.09889235	0.397315832	1.5067377	0.105768345	YCL041C
YDR476C	39.1281347	29.584496	35.4075467	46.7116272	45.6096496	44.3528967	0.394273293	5.33020476	0.000400749	YDR476C
YOR213C	17.6898626	20.2026422	17.8550876	26.0757311	24.2382709	22.9834516	0.394216086	4.43523889	0.00112856	SAS5
YDL062W	208.727226	184.759206	210.992663	280.447149	259.975003	253.39921	0.393366776	7.86517736	2.97485E-05	PYC1
YDR380W	220.827355	181.363321	192.290215	256.9273078	263.558618	259.984156	0.393070846	7.84083706	4.57886E-05	ARO10
YMR103C	5.85277981	4.77726297	6.29467496	8.51452445	7.49301386	6.13322444	0.391154297	2.72938682	0.049594929	YMR103C
YDL173W	75.3627602	73.2129939	67.3046015	95.9066573	89.6555398	97.2923077	0.390154522	6.37908028	4.99937E-06	PAR32
YNL043C	12.56046	9.78475547	15.4340588	18.5072649	15.7027508	15.1716605	0.388225423	3.87228272	0.028997262	YNL043C
YLL018C-A	4.66907153	4.77726297	4.17627473	6.14937877	6.25503766	5.42306161	0.3880169	2.42263935	0.037014751	COX19
YLL047W	0	0.51801647	0.12105144	0.29564321	0.39093985	0.19368077	0.388008768	-1.3891349	0.577971269	YLL047W

YHR126C	0.06576157	0.23022954	0.12105144	0.17738593	0.26062657	0.12912051	0.387938481	-1.7905638	0.812770335	ANS1
YOR219C	110.347916	99.2864894	100.956902	129.136954	137.936612	139.191915	0.387607893	6.90174595	5.27738E-06	STE13
YOL129W	148.884196	115.978131	157.608977	174.192979	185.761587	192.583247	0.38742901	7.34510077	0.000481903	VPS68
YGL012W	636.769291	531.254665	618.572867	766.602844	780.641731	787.95794	0.386401845	9.42429655	7.71644E-05	ERG4
YGL168W	12.8892679	11.511477	14.8288016	16.2012479	16.1588473	18.9161554	0.386334235	3.92518408	0.009805535	HUR1
YGR060W	601.323804	453.609752	545.942002	664.369422	697.957952	728.110581	0.385033367	9.26515267	0.000481932	ERG25
YHL002C-A	6.83920337	7.30978791	9.26043528	11.1161847	9.7083397	9.74859885	0.384825422	3.18971606	0.02643028	YHL002C-A
YOL052C-A	0.13152314	0.05755739	0.24210288	0.17738593	0.26062657	0.12912051	0.384044574	-1.7901257	0.812833366	DDR2
YBR043C	81.3470632	68.4357309	76.2624082	96.6753297	96.7576138	101.359604	0.383751465	6.44135139	1.52603E-05	QDR3
YDR508C	580.608909	495.166184	586.252132	731.598688	717.244318	719.459507	0.383696911	9.31851942	7.72699E-05	GNP1
YKR047W	14.1387377	14.3317889	15.0709045	20.7541533	17.5271368	18.4642336	0.382905557	4.07375979	0.003964652	YKR047W
YOL165C	0.39456943	0.80580339	0.78683437	1.30083012	0.52125314	0.77472309	0.382219282	-0.1564595	0.389466986	AAD15
YKL051W	46.8222385	40.1174974	47.1495365	56.3495958	62.7458465	55.3281405	0.379911392	5.68698814	0.000135332	SKF1
YGR209C	86.6079888	86.0482908	74.7492652	136.646292	118.128992	67.013547	0.37950153	6.56994772	0.0039344058	TRX2
YHL027W	115.148511	112.639803	115.42255	152.197125	145.885722	147.584748	0.37702535	7.03993345	2.45323E-06	RIM101
YLR214W	116.200696	87.5447828	95.2069588	122.928447	140.217094	124.730417	0.376221341	6.83988669	0.000459867	FRE1
YGR055W	484.662777	390.872202	461.871775	587.79783	572.661729	575.167332	0.376146507	9.0007602	0.000172396	MUP1
YOL147C	24.4633044	19.4543962	25.2997513	30.5103793	29.5811156	29.6331581	0.37593356	4.73306356	0.002117584	PEX11
YJL067W	1.77556241	0.92091816	0.96841153	1.65560198	1.30313285	1.74312695	0.374478153	0.59381329	0.283162587	YJL067W
YDR119W-A	0.39456943	0.69068862	0.06052572	0.53215778	0.39093985	0.58104232	0.374191588	-0.8167792	0.595836118	COX26
YOL054W	23.2138345	24.1741018	25.4813285	35.2406706	32.9041043	26.2760247	0.374185283	4.80784763	0.003014487	PSH1
YLR138W	279.157868	216.876227	269.399983	343.714796	320.114583	327.966107	0.374017304	8.19461301	0.000400421	NHA1
YNL320W	50.8994559	38.4483333	51.5679141	63.1493897	60.8563039	58.4270328	0.373754198	5.75467406	0.00089662	YNL320W
YDL168W	118.370828	116.496148	121.838276	160.416006	152.792326	148.875953	0.373582564	7.09360727	5.59567E-06	SFA1
YPL205C	1.24946985	1.1511477	1.33156586	1.65560198	1.49860277	1.67856669	0.37323603	0.63154175	0.225943536	YPL205C
YEL057C	3.09079383	3.22321357	2.9052346	3.84336173	4.56096496	3.55081415	0.372442598	1.86685371	0.087443172	YEL057C
YGR213C	4.7348331	7.02200099	6.77888073	6.91805112	8.20973693	8.9093155	0.368544513	2.85167704	0.06228364	RTA1
YER150W	12.6919832	11.4539196	11.3183098	14.9595464	14.5299312	16.2046246	0.366602371	3.76926357	0.008605172	SPH1
YJR037W	0.65761571	0.46045908	1.02893725	0.88692963	0.71672306	1.16208463	0.365500935	-0.089351	0.396403219	YJR037W
YBR230C	40.9694586	36.8367265	40.6732844	53.3340351	53.9496998	45.1921801	0.364823535	5.50049124	0.000333736	OM14
YPL107W	9.53542778	9.78475547	7.98939514	13.3630731	9.7083397	12.0082079	0.362712772	3.39590666	0.038124639	YPL107W
YEL033W	12.2974138	10.2452146	9.44201244	13.4222017	14.7254012	12.8474912	0.359816439	3.61670394	0.021579811	MTG7
YLL039C	123.039899	136.46856	127.709271	169.167045	159.50346	168.17947	0.359428447	7.20424282	2.20483E-05	UBI4
YER015W	22.4246957	21.814249	22.4550424	27.4356899	29.1901757	28.9229953	0.358872598	4.67142045	0.000864892	FAA2
YJL139C	38.470519	35.0524476	39.8259243	48.071586	47.4991922	49.7113981	0.358592591	5.43337805	0.000127547	YUR1
YBR162W-A	2.10437027	3.68367265	1.99734879	3.54771852	3.19267547	3.29257312	0.358117246	1.63399949	0.17959824	YSY6
YHR097C	40.2460814	36.1460379	37.8285755	46.0612121	47.9552887	52.1646879	0.356258712	5.44295573	0.000216579	YHR097C
YDR345C	1984.81573	1495.80133	2020.95382	2212.88943	2375.22024	2454.32274	0.356247704	11.0298063	0.002727422	HXT3
YLL020C	3.55112483	3.16565618	3.75259469	4.43464815	4.56096496	4.39009749	0.355341565	2.03302218	0.081851716	YLL020C
YER135C	0.65761571	0.4029017	0.66578293	0.65041506	0.32578321	1.22664489	0.354968927	-0.3681219	0.534232275	YER135C
YMR035W	14.4675456	17.6125599	17.6129848	18.8620368	20.394029	24.4037772	0.354700236	4.24854584	0.013949117	IMP2
YOR203W	0.78913885	0.97847555	0.96841153	1.24170148	1.10766292	1.16208463	0.353982573	0.22223118	0.30407692	YOR203W
YJL165C	90.6194447	85.1273726	87.0965122	115.714752	107.11752	112.91589	0.353632595	6.64208418	1.65482E-05	HAL5
YDR319C	33.7356859	28.7786926	30.0812832	39.143161	39.0939854	39.9627992	0.353500489	5.13893544	0.000476685	YFT2
YLR191W	30.9736999	31.6565618	28.6891917	41.5083067	36.422563	38.6715941	0.353155541	5.11999116	0.000547456	PEX13
YPL154C	603.362413	471.625214	560.165546	709.011546	684.2099	694.732928	0.352778295	9.27755245	0.000712698	PEP4
YGL263W	3.55112483	3.56855788	2.78418316	3.07468938	4.75643489	4.84201929	0.350786642	1.95228169	0.147467479	COS12
YHR177W	19.005094	16.7491991	17.7945619	22.0549835	23.3912346	22.7252106	0.349133746	4.34988889	0.00347331	YHR177W
YPL135W	51.8201178	43.7436127	54.6547259	65.3371494	66.4597751	59.2663162	0.347779554	5.83254216	0.000610314	ISU1
YOL112W	38.010188	35.6280214	37.7680498	52.2697195	43.7688538	46.1605839	0.347523461	5.40239938	0.000671652	MSB4
YJR161C	27.0937672	23.7136427	27.1155229	33.2302968	33.2298876	32.5383697	0.346421668	4.8872479	0.01079769	COS5
YKL097C	0.19728471	0.17267216	0.12105144	0.29564321	0.32578321	0	0.345066001	-1.6908989	0.825047098	YKL097C
YGL055W	841.485061	659.377404	886.096552	912.768847	1033.12372	1085.06424	0.344619204	9.81869345	0.003954769	OLE1
YJR038C	0.78913885	0.4029017	0.84736009	0.94605827	0.65156642	0.96840386	0.34429108	-0.1708226	0.484747482	YJR038C
YDL010W	23.4111192	21.6415768	17.3708819	29.2686778	26.1929702	23.6936144	0.344179291	4.56767791	0.012760864	GRX6
YGL179C	19.465425	25.9583807	23.9076597	28.4408768	29.4508023	30.1496401	0.342121763	4.72011003	0.005603931	TOS3
YEL046C	622.959361	467.481082	606.528248	701.206566	718.873234	725.011689	0.33816483	9.32290414	0.002641906	GLY1
YER158W-A	2.17013184	1.95695109	2.60260599	3.60684716	2.41079576	2.45328978	0.337916899	1.41267082	0.200002982	YER158W-A
YML118W	8.08867322	10.1876572	9.13938384	12.0031143	10.4250628	12.2664489	0.337512918	3.38984162	0.036905458	NGL3
YJL089W	1.38099299	1.1511477	1.1499887	1.71473062	1.36828949	1.54944617	0.337451484	0.59247068	0.280073032	SIP4
YOL024W	0.98642356	1.1511477	0.78683437	1.18257284	1.04250628	1.48488592	0.337168194	0.29725556	0.328249276	YOL024W
YHL016C	24.9893969	19.1090519	24.5734426	29.7417069	27.6264163	29.2457965	0.336832794	4.6996009	0.007571272	DUR3
YLR152C	35.1824404	27.9728892	31.1102205	41.3309208	39.7455518	37.7677505	0.336206478	5.15470057	0.002122045	YLR152C
YNL210W	14.6648303	12.9504117	14.0419672	15.4917042	17.2013536	19.8845592	0.335645183	3.98236377	0.019767801	MER1
YDR293C	393.056909	344.998967	387.12251	468.180587	485.156358	466.125057	0.335274312	8.72862763	0.000285448	SSD1
YFL012W-A	0.06576157	0	0.18157716	0.05912864	0.19546993	0.06456026	0.334629358	-2.2051075	1	YFL012W-A
YBL073W	0.59185414	0.74824601	1.08946297	0.94605827	1.43344613	0.71016283	0.334427317	0.0606838	0.383074857	YBL073W
YDR039C	191.366171	160.067088	176.735105	233.025978	217.427715	214.791976	0.333272605	7.63668254	0.000487885	ENA2
YIR042C	1.70980084	2.53252495	1.7552459	2.66078889	2.9320489	2.00136798	0.333250378	1.25937602	0.233941357	YIR042C
YDL057W	9.99575877	10.9359032	9.62358961	11.2935706	13.6828949	13.557654	0.332040898	3.53920389	0.031756664	YDL057W
YDR074W	233.913908	239.150935	225.821464	309.774955	290.403155	279.352233	0.331734119	8.03995941	0.000225775	TPS2
YOR287C	9.40390463	10.8207884	9.68411533	12.0031143	12.7055452	12.9766117	0.330917856	3.50906386	0.024857341	RRP36
YMR052W	4.01145582	4.71970558	4.05522329	4.73029136	5.47315795	5.93954367	0.330863943	2.30430433	0.087333794	FAR3

YOR289W	9.60118935	11.1085753	11.0156812	13.4222017	12.9010152	13.6222143	0.330512803	3.59330797	0.023290511	YOR289W
YLR390W-A	613.029364	479.683248	643.751566	640.658836	733.272852	807.777939	0.329325098	9.35118343	0.007692115	CCW14
YJR020W	7.43105751	5.06504989	6.05257208	6.97717976	8.014267	8.26371293	0.32907735	2.82075713	0.088548268	YJR020W
YCR047C	61.8816382	48.4057609	62.220441	78.5819652	72.128403	65.7223419	0.32841166	6.02086337	0.003022254	BUD23
YML066C	20.386087	18.0154615	21.1234766	22.8827845	25.1504639	26.6633862	0.327526507	4.49003724	0.007483532	SM2
YPR153W	3.22231697	3.05054141	4.23680046	4.37551951	4.03971182	4.77745904	0.327408506	2.02516363	0.12539198	YPR153W
YJL156W-A	0.72337728	0.74824601	0.42368005	1.00518691	0.58640978	0.77472309	0.32692395	-0.258227	0.530369096	YJL156W-A
YHR139C	4.66907153	3.8563448	4.59995478	5.97199284	5.73378452	4.71289878	0.326724697	2.3341049	0.099776757	SPS100
YKR098C	27.0280056	29.8147255	28.8707688	33.7033259	38.6378889	35.2499005	0.326392539	5.01483902	0.001906697	UBP11
YGR048W	43.9287293	49.9598103	44.8495591	63.5632902	56.7514354	53.5850135	0.325762289	5.70705417	0.000990575	UFD1
YIL102C-A	0.85490042	0.97847555	1.08946297	0.53215778	1.6940727	1.48488592	0.32535757	0.28673657	0.385080733	YIL102C-A
YDR358W	30.9736999	32.1745783	28.7497174	42.5134936	33.685984	38.8652749	0.325046778	5.1136195	0.003814316	GGA1
YLR312C	5.12940253	4.37436127	4.29732618	6.09025013	5.34284467	5.81042315	0.325031373	2.40358212	0.086518341	YLR312C
YMR134W	17.3610547	18.0730189	15.1919559	23.5331995	20.8201255	18.9807156	0.324618932	4.25739747	0.017591239	ERG29
YBL098W	58.1989902	64.5218287	53.3836857	77.1037492	71.8677764	71.532765	0.324193655	6.04933319	0.000522478	BNA4
YOR036W	18.4790014	18.8788223	19.4892821	26.3122457	21.1759087	23.6290542	0.323986854	4.42327601	0.009171153	PEP12
YGL180W	27.8171445	29.1815943	29.2944489	37.2510445	36.8786595	33.8941351	0.323806182	5.02267959	0.001360201	ATG1
YLR334C	0.13152314	0.11511477	0.3026286	0.11825728	0.13031328	0.4519218	0.320558222	-1.5973686	0.83498917	YLR334C
YBL078C	3.87993268	4.94993152	5.38678915	6.79979383	6.71113415	4.26097698	0.32039086	2.45033266	0.160287886	ATG8
YHL043W	4.66907153	3.45344311	3.81312041	5.61722099	5.0822181	4.13185646	0.31987044	2.19476166	0.141036113	ECM34
YPR142C	3.28807854	4.08657435	5.14468627	5.85373556	4.30033839	5.48762187	0.31959752	2.27104627	0.154675421	YPR142C
YNL003C	46.6907153	38.563448	43.0943132	51.2645326	52.1904705	56.6193456	0.31956831	5.58999842	0.001286248	PET8
YPR138C	106.73103	94.0487673	101.804262	132.507287	127.772175	117.112307	0.319321531	6.82577998	0.000312859	MEP3
YER137C	1.70980084	2.30229541	0.90788581	1.95124519	1.95469927	2.259609	0.319125795	0.97958157	0.315447397	YER137C
YNL020C	60.1718373	58.9963198	62.5835953	74.8568608	78.5789106	73.275892	0.318824065	6.09145389	0.000146691	ARK1
YJL116C	25.9100589	24.4618887	25.1181741	29.8008356	20.4281519	33.7650145	0.316249925	4.82548678	0.003342441	NCA3
YDR179C	2.49893969	2.53252495	1.81577162	3.25207531	2.60626569	2.64697055	0.316024726	1.42439074	0.216519241	CSN9
YNL109W	7.43105751	10.6481163	9.74464105	13.7769736	10.3599061	10.5233219	0.315651674	3.40077153	0.094347451	YNL109W
YHR105W	7.2337728	7.54001745	7.14203505	10.7614128	9.31739984	7.16618856	0.315568091	3.05739278	0.090879512	YPT35
YER119C-A	1.1179467	1.1511477	1.21051442	1.41908741	1.95469927	0.96840386	0.315321868	0.5112406	0.354095256	YER119C-A
YOR356W	139.217246	135.662757	153.251125	176.32161	176.76997	179.542075	0.315070217	7.32408366	0.00285558	CIR2
YGL239C	5.1951641	3.51100049	3.26838892	5.73547828	5.01706145	4.06729621	0.315052467	2.19527116	0.193327619	YGL239C
YEL071W	155.460354	156.556088	150.103788	186.37348	191.430215	196.973345	0.314647556	7.43400922	0.000211788	DL3
YPL136W	3.87993268	1.03603293	2.29997739	4.49377679	2.41079576	2.00136798	0.314270733	1.48622993	0.471095839	YPL136W
YNL196C	5.12940253	4.60459081	4.05522329	5.14419185	6.25503766	5.7458629	0.313976771	2.39647577	0.107139441	SLZ1
YNL278W	53.1353493	54.2190568	61.6757095	58.5964842	75.8423316	75.793742	0.313756053	5.98430765	0.004717172	CAF120
YJL020C	313.1566	272.822006	300.449678	379.66501	369.829101	352.111643	0.313704334	8.37262923	0.000739191	BBC1
YOR366W	0.72337728	0.57557385	0.66578293	1.24170148	0.78187971	0.38736154	0.312587904	-0.2232882	0.553625972	YOR366W
YBR295W	61.750115	52.6650074	57.438909	69.9491835	70.7601135	72.5657292	0.312329679	6.00650619	0.000457817	PCA1
YOR328W	68.3262721	59.1114345	70.028259	73.2603875	83.0095622	88.834914	0.311793707	6.20661886	0.001734621	PDR10
YIL101C	36.5634334	31.4263323	33.4707236	39.2022897	43.2640105	43.3844929	0.311320198	5.24726405	0.002341043	XBP1
YKR041W	8.02291165	7.30978791	9.62358961	10.8205415	9.64318305	10.4587617	0.310278324	3.23768046	0.062846702	YKR041W
YBR126W-B	0.78913885	0.97847555	0.78683437	1.65560198	0.91219299	0.58104232	0.309980691	0.11497102	0.459856972	YBR126W-B
YER184C	19.8599944	20.6631013	19.9734879	24.2427432	24.1079576	26.6633862	0.309511565	4.50463304	0.00665998	TOG1
YOL084W	11.9028443	8.40337823	9.92621821	13.3630731	12.1842921	11.8145271	0.309407202	3.50748668	0.06940639	PHM7
YOR050C	1.05218513	1.38137724	1.39209158	1.89211654	1.75922934	1.09752437	0.309110358	0.63977273	0.344420139	YOR050C
YLL019C	126.85407	118.050197	126.438231	143.919115	154.421242	161.594324	0.30865417	7.11527428	0.000328321	KNS1
YGR037C	51.2282637	57.9602868	48.3600509	66.3423363	60.5305207	68.3047522	0.308525931	5.88048887	0.001390579	ACB1
YOR306C	120.804006	110.222393	130.614505	141.435712	144.843216	161.529764	0.308336476	7.07693139	0.001015483	MCH5
YLR140W	2.82774755	2.30229541	2.9052346	4.96680593	3.19267547	1.74312695	0.307854207	1.64353392	0.352077478	YLR140W
YEL058W	280.670384	245.252018	273.031527	339.989692	324.154295	324.673534	0.307780993	8.2195045	0.000811997	PCM1
YOL058W	33.9329706	28.1455613	31.0496948	35.8910857	37.8560092	41.4476852	0.307554832	5.1217142	0.004829601	ARG1
YDL248W	29.3296606	25.9583807	31.7760034	38.7292605	35.6406833	33.2485325	0.307012631	5.02522687	0.006914908	COS7
YFR054C	0.59185414	0.23022954	0.66578293	0.47302914	0.58640978	0.77472309	0.306821872	-0.5742114	0.629545864	YFR054C
YLL012W	70.2333577	63.1404515	67.7282816	87.1556183	84.5733217	76.8267061	0.306428412	6.22988015	0.00523127	YEH1
YOR072W-A	0.460331	0.17267216	0.54473149	0.47302914	0.26062657	0.71016283	0.305940619	-0.8422225	0.681909957	YOR072W-A
YLR109W	656.300477	768.160862	575.841708	802.90783	819.47509	849.161064	0.305137499	9.54192405	0.005532168	AHP1
YMR295C	119.751821	118.856	105.79896	174.961652	145.950879	104.135695	0.30381806	7.00429278	0.034431517	YMR295C
YAR029W	0.52609257	1.1511477	0.78683437	0.94605827	1.30313285	0.83928334	0.303287092	0.07408444	0.430884356	YAR029W
YBL096C	3.28807854	3.39588572	4.05522329	4.37551951	3.58361532	5.2939411	0.302080915	2.0429411	0.17063449	YBL096C
YIR025W	10.2588051	7.19467314	7.80781798	10.9979274	10.0341229	10.0068399	0.301615212	3.24635838	0.094129527	MND2
YKL084W	11.7055596	10.3027719	13.8603901	16.2012479	15.1814976	12.7829309	0.30160939	3.75060393	0.065389051	HOT13
YOR374W	181.633459	160.642662	164.448383	215.11	202.637157	206.592823	0.301456518	7.55932878	0.000855734	ALD4
YFR039C	87.3971277	76.4362075	82.8597118	104.894211	99.2987228	99.616477	0.301200801	6.52135245	0.000449253	OSW7
YPR169W-A	0.85490042	1.03603293	0.60525721	0.76867235	1.43344613	0.9038436	0.300845827	0.0754156	0.431373692	YPR169W-A
YNL305C	66.5507097	50.362712	55.7441889	71.6639141	70.6298002	70.1769996	0.30066312	6.00637653	0.003574312	BX1
YLR157W	77.5328921	95.3725872	75.5966253	106.66807	99.4290361	100.003839	0.300261583	6.53242486	0.002454226	ARI1
YER087C-B	37.6156185	28.8938073	31.3523234	55.7583094	37.4650693	27.1153081	0.299752904	5.19002873	0.130020594	SBH1
YBL113C	93.8417616	79.8896506	93.2701357	114.413922	114.024124	100.068399	0.299688962	6.63458551	0.001603129	YBL113C
YLR417W	34.7221094	34.0164146	30.6865404	41.9813358	39.9410217	40.3501608	0.299006621	5.21199358	0.002292588	VPS36
YGL072C	6.18158766	4.6621482	5.14468627	7.33195161	5.99441109	6.26234495	0.298807105	2.59599172	0.121319355	YGL072C
YJR106W	61.0267378	47.8301871	56.2889203	59.7790571	68.0235345	75.2126997	0.298225289	5.94122773	0.007429216	ECM27
YIR020W-A	0.85490042	0.63313124	0.66578293	0.82780099	0.58640978	1.22664489	0.29820805	-0.1212866	0.499375247	YIR020W-A

YLR400W	4.07721739	2.59008233	3.02628604	4.19813358	3.64877197	4.00273595	0.298019286	1.88839606	0.209355233	YLR400W
YPL087W	77.5328921	62.9677793	72.0256077	96.2614292	82.8140923	81.8624062	0.297267369	6.30420766	0.003187381	YDC1
YPR001W	8.48324264	8.17314869	7.5657151	7.68672346	10.555376	11.5562861	0.29659817	3.18642116	0.109257726	CIT3
YLR280C	0.59185414	0	0.54473149	0.76867235	0.39093985	0.19368077	0.296494191	-0.8968894	0.703550518	YLR280C
YFL014W	21.5040337	25.0950199	19.7919107	39.4979329	23.0002947	18.9807156	0.296382634	4.63305709	0.16684059	HSP12
YDL128W	188.012331	151.260808	180.790328	211.325767	207.654219	219.311194	0.295827437	7.59363105	0.002937136	VCX1
YLR126C	16.4403927	17.3247729	18.3998191	23.5923282	20.5243423	19.8845592	0.295463182	4.28471616	0.02157779	YLR126C
YNL044W	80.0318317	66.5938946	76.5650368	78.8184798	93.434625	101.359604	0.293895227	6.37306327	0.005725419	YIP3
YHR190W	349.588511	302.809403	330.046755	434.891162	397.325205	371.931642	0.293760339	8.50995379	0.002762963	ERG9
YNL237W	32.946547	30.5054141	33.4101979	40.3257339	37.2695994	40.9957634	0.292749889	5.17082518	0.00308251	YTP1
YDR154C	863.975518	616.209365	722.798158	1065.55726	863.52098	769.041785	0.292600669	9.67412329	0.033937468	YDR154C
YFR030W	114.622418	87.8325697	113.727829	127.717867	128.488899	130.928202	0.292600296	6.87424803	0.004521328	MET10
YPL020C	46.3619075	42.4773502	44.8495591	57.8869405	54.4709529	51.2608443	0.292512075	5.63421256	0.001569405	ULP1
YJL064W	5.72125667	7.19467314	6.05257208	9.40145408	7.36270058	6.45602573	0.291815365	2.84226788	0.138791258	YJL064W
YML109W	50.1760786	47.9453018	49.8126682	62.4989746	59.4880144	59.0080751	0.291583583	5.7797148	0.000693456	ZDS2
YPL055C	25.3182048	25.3828068	28.2655116	29.9782215	32.057068	34.6688582	0.291405409	4.87717151	0.007921087	LGE1
YGR045C	0.32880785	0.28778693	0.3026286	0.59128642	0.26062657	0.25824103	0.29138634	-1.1062815	0.750041242	YGR045C
YMR153C-A	4.34026368	5.69818113	3.57101753	5.79460692	4.82159153	6.06866418	0.291252304	2.37267174	0.18919122	YMR153C-A
YOR035C	49.189655	46.5639246	47.6337423	61.9076882	59.4880144	53.9723751	0.29124075	5.7345203	0.001440378	SHE4
YGR149W	46.6907153	37.5274151	46.4837536	47.066399	67.995306	61.0094431	0.290913706	5.60047841	0.014049025	YGR149W
YOR263C	6.3131108	7.30978791	4.96310911	6.38589334	8.14458028	8.26371293	0.290805823	2.80936796	0.148502878	YOR263C
YDR149C	2.89350912	2.76275449	2.78418316	2.18775975	3.71392861	4.45465775	0.289194638	1.69558453	0.281391964	YDR149C
YMR121C	22.8850267	20.317757	20.820848	25.6618306	27.2354765	25.2430606	0.288368003	4.57293136	0.01187285	RPL15B
YPR049C	49.0581319	47.6575149	50.7810797	59.5425425	61.2472437	59.2663162	0.287784699	5.77358393	0.000781468	ATG11
YNL294C	73.2583899	63.1980089	72.6913907	90.9398514	84.3126951	79.8610382	0.287556344	6.2759364	0.001840118	RIM21
YOR077W	5.52397195	6.90688622	5.44731487	6.38589334	7.75364043	7.7423087	0.286716644	2.7541243	0.012077639	RTS2
YGR121C	52.6750183	46.7941541	54.4731487	59.6016711	64.114136	64.0437752	0.286715406	5.83422303	0.001847339	MEP1
YDR351W	103.245666	103.027719	110.03576	128.309153	125.947789	131.573804	0.28657555	6.87206636	0.000408972	SBE2
YMR280C	36.168864	34.3617589	36.0733296	42.6908795	43.6549503	43.6427339	0.286324277	5.30533425	0.001948705	CAT8
YNL092W	8.02291165	6.84932883	6.35520068	9.34232544	8.60067678	7.87635139	0.286029079	2.99235725	0.100560971	YNL092W
YKL217W	14.2044993	12.3748378	15.1919559	15.9056047	15.7679074	19.2389567	0.285755032	3.95921635	0.054996219	JEN1
YKR110W	18.7420477	17.036986	19.3682307	23.0010417	22.8048248	21.3694452	0.2856347	4.35764288	0.017512067	CLD1
YHR183W	982.9382	777.715388	922.048831	1197.94629	1073.71631	997.068613	0.285122644	9.95421733	0.010783273	GND1
YBR302C	121.132814	96.0057184	114.090984	133.512474	133.50596	136.415824	0.285057523	6.93712384	0.002848848	COS2
YML132W	121.132814	96.0057184	114.090984	133.512474	133.50596	136.415824	0.285057413	6.93712384	0.002851547	COS3
YMR082C	0.06576157	0.11511477	0.12105144	0.11825728	0.13031328	0.12912051	0.28494703	-2.0741953	1	YMR082C
YLR146W	5.45821038	2.93542664	4.96310911	4.55290543	6.25503766	5.42306161	0.2841135	2.32953725	0.26197782	YJR146W
YKR061W	44.7836298	46.9668263	47.5126908	57.8278119	55.3831459	56.3611046	0.283855816	5.68912509	0.001107054	KTR2
YDR088C	12.6262216	15.1951497	12.7104014	17.0290489	16.6801004	15.6881425	0.283850893	3.91808618	0.043820522	SLU7
YCL001W-B	0.460331	0.05755739	0.12105144	0.23651457	0.06515664	0.4519218	0.283729196	-1.5093658	0.845889207	YCL001W-B
YKL173W	87.7916971	88.5232583	86.2491521	114.295665	107.964556	97.2923077	0.283667371	6.60202897	0.001159275	SNU114
YPR030W	21.5040337	23.3682984	22.5760939	25.2479301	29.320489	27.6317901	0.283593696	4.64697627	0.01282725	CSR2
YKL070W	15.2566844	13.9288872	12.2867213	17.0881775	17.6574501	15.6881425	0.28344096	3.94759167	0.045253802	YKL070W
YKL065C	100.089111	115.978131	97.2043076	112.817449	126.208416	142.290807	0.282931405	6.85643132	0.006221761	YET1
YER095W	108.243546	89.7319634	109.369977	133.453345	119.301812	120.856802	0.282361443	6.82787296	0.003554815	RAD51
YBR056W	79.5057392	104.236424	85.1596892	126.239651	105.488604	95.2909397	0.282095927	6.63622337	0.018704588	YBR056W
YDL072C	154.079361	125.935559	152.101136	156.336129	182.438598	186.579143	0.281955981	7.31890907	0.006994197	YET3
YPL148C	5.32668724	4.31680389	5.38678915	5.73547828	6.84144744	5.68130264	0.281726911	2.50031478	0.144889718	PPT2
YDR213W	49.5842244	51.9743188	50.5389769	58.8329988	61.2472437	64.8830585	0.281521137	5.81480246	0.001228291	UPC2
YJR052W	24.9893969	28.9513647	26.3892143	34.2946124	30.3629953	32.9257312	0.280003606	4.89641676	0.010216429	RAD7
YDL174C	104.166328	98.480686	95.4490617	124.52492	122.233861	115.046378	0.27981834	6.78262559	0.000802868	DL1
YGR244C	116.134934	120.870509	119.114619	148.294634	138.783648	145.260579	0.279768273	7.03925882	0.000555082	LSC2
YOR257W	15.2566844	16.6340843	17.552459	23.7105854	18.1135465	18.1414323	0.279192531	4.19961136	0.056955603	CDC31
YIL082W	51.6228331	39.599481	47.3916394	58.9512561	54.5361096	54.2951764	0.277122042	5.67723175	0.009484024	YIL082W
YOR259C	168.809952	162.65717	169.290441	226.285313	195.339614	185.029697	0.277046159	7.52900233	0.004198986	RPT4
YNL202W	12.3631753	12.259723	12.2867213	14.9595464	13.9435214	15.817263	0.277020575	3.77850498	0.042918275	SPS19
YGR282C	1373.82498	1062.39421	1383.6785	1420.26998	1548.64307	1656.22884	0.275983346	10.4590146	0.017850613	BGL2
YNL150W	25.4497279	32.9803817	25.1786999	42.276979	32.7086344	26.2114644	0.275528463	4.9522271	0.091475838	YNL150W
YKL150W	103.114143	126.453575	102.8332	139.543595	129.335935	133.575172	0.27551274	6.9379282	0.004452096	MCR1
YMR041C	14.3360224	18.8212649	12.4077728	18.6255222	18.2438598	18.3351131	0.275104434	4.08119033	0.084279283	ARA2
YLR213C	11.639798	8.80627993	8.95780668	10.8205415	12.7707019	11.9436476	0.274996621	3.44892516	0.101164384	CRR1
YLR170C	4.93211781	5.52550897	4.41837762	7.27282297	6.12472437	4.58377827	0.274968141	2.48794878	0.208375474	APS1
YHR219W	12.0343675	15.2527071	14.949853	18.1524931	15.0511844	17.9477515	0.274794141	3.97278492	0.064168121	YHR219W
YGR289C	19.3996634	15.8282809	17.7945619	21.8184689	21.1107521	21.1112041	0.274430916	4.29411486	0.03124239	MAL11
YBR298C	28.4089986	23.5409705	29.2339231	33.1711682	33.4253575	31.5054055	0.274353798	4.90632606	0.015950543	MAL31
YPL166W	3.55112483	6.10108283	4.96310911	5.49896371	5.34284467	6.90794753	0.273464043	2.46664416	0.225959709	ATG29
YML081C-A	1.18370828	1.09359032	1.1499887	1.53734469	1.75922934	0.83928334	0.273348763	0.46852232	0.425221581	ATP18
YHR006W	40.3776045	45.585449	39.46277	48.3081005	53.1026634	50.2924404	0.273210313	5.53310981	0.004481849	STP2
YLR342W	2453.89302	1977.55664	2466.72575	2486.95068	2903.64061	2944.27053	0.27294881	11.3100018	0.016115282	FKS1
YER046W	5.91854138	6.84932883	5.74994348	7.86410939	6.7762908	7.74723087	0.272652436	2.79604473	0.12101119	SP073
YMR303C	22.227411	28.7786926	33.7128265	36.5415008	34.3375505	31.5054055	0.272157871	4.96922104	0.050171415	ADH2
YPL200W	1.38099299	0.92091816	1.1499887	1.35995877	1.17281956	1.61400643	0.27195373	0.4694679	0.408594389	CSM4
YGL029W	5.12940253	0.05803392	5.38678915	7.50933754	7.29754393	7.68267061	0.271090536	2.80311465	0.187023178	CGR1

YKL071W	17.9529088	19.0514945	19.2471792	22.7053985	22.6093549	22.59609	0.270979902	4.37951064	0.018299031	YKL071W
YKL218C	18.7420477	18.3608059	17.3103561	20.4585101	21.9577884	23.2416926	0.270460112	4.33062033	0.02479153	SRV1
YGR137W	11.3767518	13.5259855	9.68411533	15.9056047	11.9888222	13.8158951	0.270318485	3.68406335	0.117577936	YGR137W
YKL174C	97.3271249	82.1343886	96.1753703	113.526993	106.791737	111.882926	0.269946423	6.66410471	0.002757484	TPO5
YER076W-A	1.5782777	1.84183632	1.57366874	1.89211654	2.47595241	1.67856669	0.269687945	0.97246735	0.37434596	YER076W-A
YKL093W	25.2524432	19.5119536	24.936597	30.6286366	25.8020303	27.4381093	0.269255005	4.68412245	0.039829481	MBR1
YAL037C-B	808.670037	962.014135	985.600837	1533.26482	1165.8478	622.36088	0.26911102	9.98461126	0.225445929	YAL037C-B
YMR240C	18.7420477	18.5910354	19.7919107	24.3018719	21.5668486	22.9188913	0.268692234	4.39974013	0.022699119	CUS1
YIR028W	8.41748107	8.28826346	8.47360091	9.34232544	9.77349634	11.2334848	0.268251121	3.22771237	0.090725794	DAL4
YIL155C	91.4085835	75.9757484	92.7254043	101.819522	108.876749	102.457128	0.268174102	6.5795986	0.004473719	GUT2
YPL246C	180.318227	148.210267	177.340362	182.530118	195.078987	231.513083	0.268047222	7.53854883	0.016208562	RBD2
YMR114C	10.6533745	9.38185378	10.0472697	13.2448158	12.2494487	10.6524424	0.267397412	3.47996757	0.090880358	YMR114C
YDL070W	212.409874	227.639458	222.250447	292.686778	265.643631	238.808392	0.267392207	7.92701857	0.006188848	BDF2
YDL020C	88.3177897	114.424082	94.7832788	123.756248	119.888222	114.594457	0.267317635	6.77388252	0.007749756	RPN4
YOR100C	1.51251613	1.49649201	1.7552459	1.35995877	1.88954263	2.51785003	0.267266081	0.90370469	0.381642924	CRC1
YLR336C	83.7144797	83.6308806	82.3149803	101.287364	101.448892	97.6796692	0.267049904	6.52034578	0.00083551	SGD1
YMR056C	19.3339018	12.4899526	15.8577388	20.5767674	19.2863661	17.3667092	0.266549706	4.13633035	0.105551006	AAAC1
YNL115C	79.5715007	74.0763547	81.4676202	90.8807228	91.4799257	100.32664	0.265921352	6.43308349	0.001930333	YNL115C
YEL044W	29.4611837	28.83625	28.9918203	33.8807119	32.5131645	38.5424736	0.265531916	5.00674067	0.0012532708	IES6
YAL039C	41.0352202	36.606497	39.5232957	52.8018773	43.5897937	44.2883365	0.265492873	5.42950474	0.011412381	CYC3
YKL126W	196.824382	206.458341	192.169164	242.427432	228.243718	245.070737	0.265415605	7.77249489	0.002620996	YPK1
YJL153C	16.0458233	13.8713298	15.9787903	18.1524931	17.9180766	19.0452759	0.265217776	4.08276747	0.042611548	INO1
YPL070W	29.8557532	34.3617589	31.7760034	35.8319571	39.4197686	40.2210403	0.264730169	5.14412333	0.010015186	MUK1
YDR367W	55.5027658	54.2766142	55.3810345	67.2883946	67.0461849	63.9146547	0.263693901	5.92324495	0.001586875	KEI1
YNL241C	336.436197	265.397103	327.020469	413.545722	365.528763	335.584217	0.263306741	8.41234714	0.020461371	ZWF1
YFL041W	163.154457	138.02261	160.030066	182.944018	180.288429	190.000837	0.262762177	7.40238079	0.004693563	FET5
YDR008C	13.1523142	14.5620184	12.5893499	19.4533232	14.1389914	14.7197387	0.262636262	3.89815482	0.105188081	YDR008C
YOL152W	17.3610547	12.0870509	13.5577615	17.679464	17.5922934	16.2046246	0.262485031	3.9861174	0.095464372	FRE7
YOR008C-A	0.52609257	0.23022954	0.3026286	0.47302914	0.13031328	0.64560257	0.262122921	-0.9825311	0.770080989	YOR008C-A
YPL231W	1972.32103	1695.41034	1996.25932	2197.10208	2362.84048	2232.36458	0.262095532	11.0196942	0.008210966	FAS2
YFL023W	53.5956803	53.7010403	62.4020181	68.8848679	69.0660408	65.5286611	0.261796859	5.96151558	0.004125366	BUD27
YOL154W	10.1272819	9.03650947	10.1077954	12.5352721	11.6630309	10.8461232	0.261759375	3.43806684	0.088962992	ZPS1
YJL106W	11.7055596	13.8137724	13.1946071	13.8952309	15.8982207	16.7211066	0.261757825	3.84019873	0.069556032	IME2
YNL297C	167.626244	160.988006	165.295743	187.437795	204.591857	200.136798	0.261695857	7.50078569	0.002590073	MON2
YJL034W	1478.18859	1346.7277	1476.1618	1890.1653	1633.99827	1629.43633	0.260919624	10.6219605	0.008745542	KAR2
YKL146W	143.754794	131.979084	153.553754	165.619326	175.597151	173.15061	0.26089235	7.29812236	0.003316707	AVT3
YBR095C	26.3703899	30.1025124	29.1128717	35.4771852	33.4905141	33.635894	0.260786278	4.97698879	0.001903046	RXT2
YNL333W	8.22019636	9.38185378	9.92621821	12.2987575	9.90380962	10.781563	0.260711611	3.35324277	0.111702667	SNZ2
YER159C	12.8892679	14.044002	11.6209384	15.9056047	15.5724375	14.7197387	0.260492363	3.83277978	0.063850213	BUR6
YGL178W	122.382283	107.977655	125.711922	122.573675	145.755409	158.237191	0.260475848	7.02823934	0.012621062	MPT5
YDR183W	5.39244881	6.56154191	6.53677785	8.27800988	7.62332714	6.26234495	0.260260644	2.78855355	0.161858141	PLP1
YIL108W	120.935529	111.200868	124.985613	138.774923	147.970735	140.935042	0.260208956	7.0323947	0.002142606	YIL108W
YER142C	7.82562693	9.84231286	8.59465235	11.9439857	9.2522430	10.2650809	0.259860839	3.28679392	0.133838678	MAG1
YGL144C	45.9015765	45.6430064	42.9732618	55.0487657	52.1904705	53.7786943	0.259766157	5.62566763	0.003282607	ROG1
YDR276C	4.07721739	4.2592465	3.26838892	6.3267647	4.36549503	3.16345261	0.259732724	2.13113528	0.328013696	PMP3
YHL010C	20.3203254	23.4258558	23.847134	30.4512506	25.867187	24.597458	0.25946993	4.63749332	0.038593222	ETP1
YOL066C	52.5434951	50.5353842	52.3547485	72.5508437	55.0573627	58.2979123	0.259352473	5.83347461	0.015736192	RIB2
YML016C	159.603332	135.835429	146.411719	165.146297	178.203417	185.158818	0.258552011	7.33825936	0.005467502	PPZ1
YJR154W	8.3517195	4.83482035	6.4157264	7.92323803	7.49301386	7.94091164	0.258125485	2.86000044	0.213337433	YJR154W
YPL179W	215.763714	178.773238	213.232114	232.907721	242.708492	250.493798	0.256832622	7.79708145	0.008807404	PPQ1
YPR117W	141.847708	128.870985	143.748587	152.37451	173.512138	169.276995	0.256610222	7.2451162	0.004252583	YPR117W
YPL248C	32.486216	28.7211352	32.7444149	34.9450274	39.0939854	38.155112	0.256154734	5.10684207	0.014811503	GAL4
YHR044C	7.69410379	6.61909929	5.93152064	9.69709729	7.68848379	6.71426676	0.255863712	2.90989798	0.194464887	DOG1
YGR041W	90.6852062	80.2349949	96.5385247	110.334046	103.924844	104.781298	0.25492444	6.61268824	0.00487965	BUD9
YDR048C	0.92066199	0.74824601	0.96841153	1.06431556	1.10766292	0.96840386	0.254352416	0.11699753	0.473431103	YDR048C
YKL213C	120.869767	114.078737	110.277863	147.289447	133.245333	131.057322	0.254151102	6.98020036	0.003405893	DOA1
YIL058W	1.18370828	1.49649201	0.90788581	2.2468884	0.84703635	1.16208463	0.254063985	0.52934418	0.531143928	YIL058W
YOR209C	206.162525	242.834608	204.274308	272.110011	262.581268	244.166893	0.253542291	7.89978216	0.010219027	NPT1
YLR362W	35.7742946	37.354743	35.9522782	44.1690956	41.895721	43.9655352	0.253272955	5.32095779	0.006204451	STE11
YCR073C	72.2719664	65.0398452	73.5387508	79.5280235	87.7008405	84.057455	0.253221584	6.26913619	0.003801953	SSK22
YGL227W	57.3440898	53.9888273	46.7863822	74.324073	59.0319179	54.9407789	0.253092412	5.85465026	0.034267269	VID30
YMR318C	354.98096	349.833787	352.441272	464.751126	402.993832	391.945322	0.252857701	8.59352162	0.008033713	ADH6
YDR231C	16.9664853	17.6125599	17.8550876	21.2271825	21.1759087	20.07824	0.252585052	4.26856932	0.036387099	COX20
YDR350C	66.5507097	63.0253367	70.8756191	76.2168196	82.4883091	80.1192793	0.252577349	6.19614228	0.003310826	ATP22
YCR099C	3.1565554	3.22321357	4.47890334	4.25726222	4.75643489	3.93817569	0.252168485	2.03214156	0.251545511	YCR099C
YKL107W	5.12940253	3.8563448	5.99204636	6.50415062	5.73378452	5.55218212	0.251998892	2.480221	0.229350838	YKL107W
YIL023C	85.0954727	64.2915992	78.1387055	81.1836255	90.1767929	99.4873564	0.251873237	6.37759289	0.023490217	YKE4
YER133W-A	7.75986536	7.19467314	5.81040692	9.87448322	8.14458028	6.6497065	0.251860545	2.94472244	0.21423296	YER133W-A
YAL034W-A	5.98430295	6.38886975	8.17097231	7.45020889	8.40520685	8.65107447	0.251582069	2.93098801	0.162802962	MTW1
YAR027W	42.4162132	38.1605463	41.7627473	46.5342413	49.5842048	49.4531571	0.251158863	5.48403313	0.007050971	UIP3
YGR295C	248.973307	195.292208	239.016071	270.631794	269.422716	272.637966	0.250744472	7.96247322	0.014710778	CO56
YLR104W	26.8307209	25.9583807	22.9997739	31.3973089	29.8417422	28.858435	0.250398928	4.79521518	0.024399418	LCL2
YJR005W	69.8387883	81.3861426	72.0256077	93.6597689	87.7008405	84.2511357	0.250275791	6.35067087	0.005485897	APL1

YER075C	76.8752763	86.2209629	89.5780668	83.075742	105.55376	112.076607	0.250198496	6.52879803	0.024567036	PTP3
YGR036C	35.6427714	34.1315294	37.8891012	37.2510445	41.895721	48.936675	0.249822365	5.29985109	0.027947104	CAX4
YLR442C	47.8744236	49.0964495	48.7232052	58.9512561	56.8165921	57.458629	0.249683294	5.73534889	0.003340795	SIR3
YOR197W	224.246957	244.273543	228.060916	256.322663	273.723054	298.203828	0.24955285	7.9901107	0.008063903	MCA1
YGL090W	17.0322469	15.8282809	17.9156134	20.5767674	19.3515228	20.4010413	0.249507272	4.21989009	0.046488521	LIF1
YHR057C	45.9015765	42.3046781	44.0627247	51.9149477	48.9326383	56.2965443	0.249129111	5.5953192	0.007960159	CPR2
YDL011C	6.70768023	7.25223053	9.07885812	12.4761435	7.42785722	7.42442959	0.248342406	3.09479928	0.281722135	YDL011C
YGL126W	112.18924	94.6818986	116.088332	132.980316	123.080897	127.248267	0.247692544	6.88046052	0.00840052	SCS3
YER162C	33.2095933	29.296709	32.5628378	41.1535348	35.6406833	35.895503	0.247012018	5.11876547	0.020842595	RAD4
YLR050C	39.3254194	36.9518413	39.5232957	47.4802995	42.5472874	47.3226686	0.247006957	5.40289572	0.00929165	YLR050C
YDR533C	21.3725105	23.0805114	23.1208253	28.3817482	25.0853073	26.7279465	0.246947737	4.62973919	0.029104132	HSP31
YOR385W	12.2974138	20.6631013	14.4051215	16.9107916	18.3090165	21.1112041	0.2467986	4.12264468	0.174782202	YOR385W
YDL013W	39.3911809	36.4338248	35.2864952	42.2178504	46.261216	43.3199326	0.246595904	5.34307419	0.010877698	SLX5
YKL216W	93.0526228	116.381033	100.170068	132.211644	117.998679	117.112307	0.246274558	6.81969875	0.012585694	URA1
YDR509W	30.4476073	20.6631013	27.6602544	25.602702	34.4678638	33.3130927	0.246064642	4.84641588	0.110425127	YDR509W
YDL113C	35.5112483	35.8582509	37.5259469	46.2977267	40.2016483	42.5452095	0.245489643	5.31407818	0.01223678	ATG20
YMR141W-A	0.72337728	1.43893463	0.84736009	0.7095437	1.6940727	1.22664489	0.245345223	0.29738241	0.559031388	YMR141W-A
YHR176W	9.60118935	9.20918162	9.86569249	11.4709566	12.0539788	10.4587617	0.245307139	3.40066899	0.104075396	FMO1
YPL089C	67.0768023	70.5077968	76.8676654	68.5892247	91.8057089	93.9351743	0.245167506	6.28962082	0.032626697	RLM1
YBR073W	146.253734	142.742315	149.49853	167.393186	173.251512	179.090154	0.245150678	7.32025786	0.003487804	RDH54
YBR101C	67.9317027	67.7450423	63.4914811	95.137985	75.6468617	65.0767393	0.244674104	6.18276712	0.040222339	FES1
YCL012C	12.4946985	13.3533134	13.7998643	16.4377625	13.4874249	17.0439079	0.244336493	3.86426862	0.094780739	YCL012C
YGR126W	6.24734923	5.4103942	5.20521199	5.38070642	7.5581705	7.03706804	0.243081413	2.64217952	0.217002156	YGR126W
YBL033C	38.7335652	40.0023827	41.8837988	47.8350714	45.2187097	49.6468378	0.242250022	5.4596647	0.008799724	RIB1
YKR088C	86.0161347	79.659421	90.9701584	88.9294776	102.621712	112.076607	0.242237571	6.54652944	0.014599175	TVP38
YKL006C	7.75986536	5.58306636	6.17362352	9.63796865	8.27489357	5.10026032	0.242127437	2.84989515	0.322220362	SHU1
YDL044C	14.5990687	12.3748378	13.2551329	16.4968911	15.6375941	15.3653412	0.241918312	3.88111589	0.079088467	MTF2
YHR071W	39.1281347	47.369728	40.9153873	48.7811297	51.0176509	51.0026032	0.241649719	5.53899016	0.013981779	PCL5
YGR067C	6.51039552	5.35283682	5.99204636	6.68153655	7.16723065	7.23074881	0.241173215	2.72229727	0.16183513	YGR067C
YOL043C	13.8099299	16.5189695	12.9525043	17.9751072	16.5497871	16.6565464	0.240875082	3.98868591	0.089677545	NTG2
YBR296C	19.7942328	16.4614122	19.8524364	21.8775975	21.7623185	22.59609	0.240749635	4.35742796	0.05390879	PHO89
YNL283C	135.271551	110.797966	132.853957	140.134882	151.098253	156.364943	0.240537179	7.10693811	0.012735613	WSC2
YKR101W	14.7963534	16.4038548	15.1919559	21.1680538	17.5271368	16.0755041	0.240198845	4.08725693	0.096841713	SIR1
YHR033W	37.1552875	29.2391517	34.4996609	37.664945	43.3291671	38.0905518	0.240078103	5.20000984	0.03549799	YHR033W
YOL089C	59.3169369	62.5648776	57.3783833	72.4325865	70.2388604	69.014915	0.239765157	6.02856676	0.004528045	HAL9
YOL159C-A	0.72337728	1.09359032	1.08946297	1.18257284	1.62891606	0.64560257	0.239696442	0.24732308	0.533008829	YOL159C-A
YKR069W	28.8693296	24.5770035	22.8181967	31.0425371	29.9720554	28.9229953	0.239671289	4.79746669	0.042593073	MET1
YML012C-A	3.48536326	2.7051971	3.02628604	6.09025013	2.9320489	1.8076872	0.239443557	1.8000306	0.518852631	YML012C-A
YPR075C	96.537986	80.407667	91.6359413	113.704379	103.208121	99.874718	0.239038988	6.60989675	0.01144023	OPY2
YCR001W	0.39456943	0.4029017	0.42368005	0.41390049	0.4560965	0.58104232	0.238992125	-0.8161012	0.781103078	YCR001W
YIL122W	10.2588051	12.0294935	13.0735557	12.1805003	14.3344613	15.300781	0.23864964	3.69823235	0.126541584	POG1
YLR267W	14.9278766	14.6771332	14.949853	16.7925343	16.8104137	18.9807156	0.238601803	4.02713456	0.068355133	BOP2
YML008C	288.759058	295.84496	278.841996	358.851728	332.168562	327.643306	0.238554393	8.29374141	0.007583966	ERG6
YHR160C	8.28595793	8.518493	8.29202375	9.63796865	9.63796865	9.3612373	0.238007845	3.20750369	0.128976598	PEX18
YPL015C	106.994076	80.5803392	102.227942	113.586121	113.698341	114.271655	0.237715788	6.71867532	0.021196675	HST2
YOR138C	83.8460029	77.4722404	80.9834144	99.6908904	93.9558781	91.8692461	0.237397284	6.4608309	0.004456598	RUP1
YGL192W	86.2134194	75.169945	90.7280555	89.6390213	100.732169	106.782666	0.23712553	6.51792107	0.016009276	IME4
YIL042C	41.2982665	33.0379391	38.1917298	46.5933699	42.7427573	43.1262519	0.237085758	5.35544272	0.025763724	PKP1
YGR269W	0.59185414	0.92091816	1.02893725	0.88692963	0.78187971	1.3557654	0.23616807	0.07449178	0.053760822	YGR269W
YBR290W	24.6605891	25.8432659	28.3260373	27.3174326	30.3293086	35.12078	0.235954231	4.84482343	0.051740833	BSD2
YLR055C	87.1340814	72.4647479	78.5018599	97.1483588	89.06913	93.9997346	0.235941473	6.43452385	0.009808368	SPT8
YJL082W	78.2562693	72.176961	75.9597796	90.9989801	86.7886475	88.7057935	0.235838614	6.36213814	0.00398785	IML2
YMR169C	27.1595288	27.2822006	26.87342	34.8267701	29.9068988	30.859803	0.234327035	4.88809895	0.028954874	ALD3
YML057W	132.312281	119.028672	131.219763	148.235506	156.506255	145.196019	0.234249651	7.11744924	0.006287123	CMP2
YNL295W	33.3411164	31.8867914	32.5628378	37.7240736	35.4452134	41.8350467	0.234150843	5.15295395	0.021998113	YNL295W
YER069W	104.692421	95.3150298	98.0516677	125.234464	114.936317	110.204359	0.233950182	6.75741764	0.007117832	ARG5.6
YDR384C	77.0067995	62.5073203	76.3229339	80.8879823	87.0492741	85.8005819	0.233911374	6.2920442	0.015054429	ATO3
YJR021C	12.4946985	10.8207884	11.1367326	16.674277	12.8358585	10.9106835	0.233665178	3.65631294	0.191911184	REC107
YJL101C	95.2227546	90.710439	94.3595987	102.056036	113.633184	113.884294	0.233481928	6.66886162	0.005557113	GSH1
YIL025C	0.59185414	0.23022954	0.22368005	0.47302914	0.4560965	0.51648206	0.233206439	-0.8155449	0.782848369	YIL025C
YPR013C	24.7263506	24.5770035	22.5760939	25.8392166	28.9947058	29.6977183	0.233133264	4.71018979	0.03919506	CMR3
YGR259C	51.5570716	41.7866616	45.2127134	66.0466931	55.1225194	51.5122454	0.232886798	5.65337649	0.104346546	YGR259C
YHR199C	76.5464685	69.8171082	72.9940193	83.0166134	85.6158279	89.093155	0.232816603	6.31505062	0.005229801	AIM46
YNL139C	119.620297	106.596277	119.296196	131.442971	136.503166	137.96527	0.232638704	6.96972665	0.006298111	THO2
YHR173C	3.22231697	2.93542664	1.69472018	3.54771852	2.86689226	2.77609106	0.23217309	1.5673085	0.401796383	YHR173C
YJR085C	43.9944909	38.563448	41.7627473	61.8485595	44.1762035	39.8336787	0.231978195	5.497213	0.099478024	YJR085C
YBR114W	88.2520281	77.414683	87.7017694	104.184667	91.610239	101.617845	0.231936764	6.52216642	0.010798368	RAD16
YKR012C	18.4132398	20.3753143	18.8234992	17.4429494	24.1731143	26.1469042	0.231763109	4.39217473	0.126185342	YKR012C
YHR202W	30.0530379	22.9078393	27.4786772	31.1607943	32.2525379	30.9243632	0.231640035	4.86934357	0.051950531	YHR202W
YDR244W	29.5269453	31.6565618	32.1391577	34.8858988	36.618033	38.155112	0.231548288	5.0852394	0.021089925	PEX5
YDR032C	282.511708	236.503296	254.87381	366.242809	285.516406	256.497902	0.231256083	8.13178087	0.065250186	PST2
YBR232C	3.87993268	6.04352544	3.57101753	5.38070642	5.79894116	4.71289878	0.230957079	2.33108372	0.329104754	YBR232C
YOL162W	1.18370828	0.80580339	1.39209158	1.35995877	0.97734963	1.61400643	0.230778049	0.42530388	0.502429142	YOL162W

YOL163W	1.51251613	0.80580339	1.4526173	1.53734469	1.30313285	1.54944617	0.230776289	0.56337841	0.529239003	YOL163W
YBR244W	17.2952931	29.4693812	17.0077275	28.4408768	25.6717171	20.7884028	0.230765384	4.54059887	0.239428932	GPX2
YGR131W	3.1565554	4.48947604	2.78418316	3.54771852	4.1700251	4.58377827	0.230647954	1.96822548	0.327143195	FHN1
YPL240C	445.994974	389.203038	382.946235	598.500114	459.028545	371.544281	0.230540325	8.78573978	0.105636887	HSP82
YOR355W	207.411995	195.292208	213.29264	229.005231	239.25519	254.431974	0.230439488	7.80232918	0.010886217	GDS1
YNL157W	31.4997924	40.5779565	32.1391577	42.454365	38.1817924	41.7059262	0.230199312	5.24403179	0.045999051	IGO1
YMR269W	9.66695092	10.763231	10.3498983	15.4325756	11.5978823	9.03843602	0.230172754	3.49650107	0.241582172	TMA23
YIR014W	11.1137055	8.86383731	9.56306389	12.062243	11.1417858	11.3626053	0.229859459	3.43247224	0.148669375	YIR014W
YPL229W	23.0823114	16.4614122	22.2129395	20.7541533	26.58391	25.0493798	0.229798735	4.4882213	0.127622363	YPL229W
YPR152C	20.4518485	18.8788223	23.1208253	23.1784277	24.1731143	25.8886632	0.229719405	4.50624637	0.061448376	URN1
YOR204W	570.415866	478.186756	570.454918	588.980403	638.665407	670.393711	0.229389534	9.19544	0.024900535	DED1
YOR303W	170.453992	135.662757	190.958649	160.297748	194.62289	227.768588	0.229225446	7.49219758	0.095643188	CPA1
YCR061W	64.2490547	49.3266791	60.2836179	70.1265694	68.5447877	64.8184983	0.22826136	5.9771452	0.027621322	YCR061W
YOR027W	449.940668	426.672896	424.164251	550.073757	511.609955	461.6704	0.227977752	8.87899993	0.017720926	STI1
YLR369W	48.5320393	48.5784331	50.1758225	59.5425425	57.012062	55.9091828	0.227906764	5.73911151	0.008177082	SSQ1
YPL206C	133.035658	100.264965	120.143556	151.487581	135.265189	126.860906	0.227542788	6.99943926	0.037539573	PGC1
YHR007C-A	0.19728471	0.51801647	0.54473149	0.82780099	0.32578321	0.32280129	0.227111164	-0.7662697	0.693315622	YHR007C-A
YIR009W	2.10437027	1.84183632	3.44996609	3.07468938	2.21532584	3.35713338	0.22637668	1.4844921	0.450707873	MSL1
YML087C	12.0343675	11.2812475	12.8919785	15.9647333	13.4874249	12.8474912	0.2263116	3.7237286	0.13586932	AIM33
YNL103W	97.2613633	94.2214395	100.654274	99.9865336	120.604945	121.050482	0.225420657	6.72423553	0.015874998	MET4
YDL081C	473.220264	377.576447	403.767083	657.392242	440.002805	369.155551	0.225386544	8.82546539	0.179585914	RPP1A
YDR396W	14.4675456	13.8137724	14.8288016	17.8568499	17.0058836	15.4944617	0.225253504	3.97264022	0.092046993	YDR396W
YAL064C-A	1.1179467	1.49649201	1.33156586	1.95124519	1.88954263	0.77472309	0.225110348	0.6394239	0.535586101	TDA8
YGR115C	9.27238149	7.3673453	5.62889203	11.3526993	8.40520685	6.1977847	0.225036379	3.02927044	0.36946626	YGR115C
YLO20W	232.269866	187.521961	230.663522	250.587185	244.923818	264.632495	0.225033444	7.87774555	0.027405806	TAT2
YPL110C	60.0403142	53.8161551	54.8968288	65.1006349	66.0036786	66.0451432	0.22503017	5.93288859	0.009116097	GDE1
YMR192W	40.0487967	43.5133832	44.4864048	52.9792632	47.6946621	49.0012353	0.225005533	5.53659615	0.016369349	GYL1
YIL067C	71.7458738	62.622435	70.3308876	79.4688949	75.0604519	84.573937	0.224739393	6.21091221	0.012826799	YIL067C
YHR043C	24.3975428	36.0309231	22.8787225	38.5518746	29.4508023	29.3749171	0.224588461	4.92002522	0.179795802	DOG2
YDL233W	29.1323759	29.4118238	31.2312719	34.1763551	34.9891169	35.7663825	0.224567607	5.02536229	0.02362744	MGF1
YNL227C	24.3317812	28.2606761	30.141809	34.2354837	33.1647309	29.3103568	0.224431863	4.90886739	0.055129661	JJJ1
YPL077C	3.55112483	4.48947604	4.72100622	5.02593457	5.34284467	4.58377827	0.22427067	2.24705022	0.26370991	YPL077C
YAR023C	3.22231697	3.33832834	3.08681176	3.13381803	3.58361532	4.58377827	0.223973035	1.85088644	0.315664628	YAR023C
YLL022C	47.6771389	47.0243837	48.4205766	61.0798872	53.6890732	52.2292481	0.223380228	5.6952613	0.017486439	HIF1
YFL052W	3.41960169	2.76275449	1.7552459	3.07468938	3.51845868	2.64697055	0.22308689	1.57394262	0.429625939	YFL052W
YOL059W	169.664853	146.656217	173.164087	183.417048	195.535083	192.325006	0.223065852	7.46675399	0.017455743	GPD2
YNL250W	36.629195	36.0309231	34.0154551	42.276979	42.866608	39.898239	0.22284004	5.27201855	0.018405714	RAD50
YDR482C	8.02291165	8.1155913	7.32361222	8.45539581	10.4902194	8.4573937	0.222495572	3.10286301	0.186459001	CWC21
YML047W-A	0.19728471	0.17267216	0.06052572	0.11825728	0.13031328	0.25824103	0.222298742	-1.8425858	1	YML047W-A
YBR033W	30.184561	27.6851023	32.1391577	30.2738647	34.4027071	40.3501608	0.222013083	5.02705786	0.07041939	EDS1
YBR214W	87.8574587	76.4362075	87.6412437	87.214747	101.123109	105.49146	0.221886324	6.50866807	0.022467288	SDS24
YFR022W	43.5999215	36.4913822	42.6706332	44.8195106	51.0828075	47.1935481	0.221597592	5.4727631	0.031673433	ROG3
YNL254C	25.7127742	25.0374625	25.2997513	31.219923	28.603766	28.7938747	0.221521932	4.78483245	0.037038814	RTC4
YCR032W	91.2770604	98.1353417	97.9306162	106.66807	118.650246	109.816998	0.221403805	6.69853148	0.008631963	BPH1
YAL040C	164.075119	136.123216	162.632612	158.93779	188.889106	191.679404	0.221187552	7.38495876	0.035332519	CLN3
YBR152W	11.9686059	11.2812475	10.5314754	13.7178449	13.291955	12.3310091	0.221181041	3.62123949	0.12677087	SPP381
YOR353C	45.9015765	50.9958432	49.1468853	51.855819	57.0772186	61.4613649	0.221176357	5.72395804	0.02113833	SOQ2
YJL078C	273.831181	222.459294	270.00524	272.464782	302.066194	318.60487	0.221055696	8.11198642	0.03630651	PRY3
YBR210W	14.401784	15.0224775	14.4051215	17.5612067	16.028534	17.4958297	0.220977549	3.9948318	0.088861215	ERV15
YHR200W	155.32883	143.433004	137.574963	196.957507	163.021919	148.294911	0.220622583	7.29979052	0.040276215	RPN10
YJL127C-B	0.26304628	0.05755739	0.12105144	0.05912864	0.13031328	0.32280129	0.220575444	-1.8420818	1	YJL127C-B
YAL049C	59.3169369	61.4712873	53.2626343	73.7334166	64.3747626	64.5602573	0.220090296	5.97533067	0.02068038	AIM2
YBL093C	28.0144292	32.6925948	33.9549294	33.52594	40.2016483	36.6702261	0.21993278	5.09992348	0.053500702	ROX3
YKR019C	18.4132398	15.7131661	17.9156134	18.5072649	20.6546556	21.4340054	0.219857624	4.23843536	0.094578464	IRS4
YPL232W	79.4399776	75.4577319	74.2045337	93.8962835	89.3297565	83.4764126	0.21983595	6.37073209	0.009600554	SSO1
YDR155C	1262.22759	974.216301	1151.13868	1238.86331	1271.14093	1433.17315	0.219137481	10.2548898	0.050683915	CPR1
YLR263W	18.084432	19.3968388	19.1866535	19.9263524	23.8473311	22.2732888	0.219011584	4.36215556	0.074496777	RED1
YBL054W	54.713627	70.8531411	73.054545	63.4450329	82.0322126	85.8651422	0.218765103	6.16543689	0.086526314	TOD6
YKL187C	25.1866816	20.8933308	25.1786999	25.3070588	26.6490667	30.9243632	0.218407421	4.68873642	0.083919301	FAT3
YDL059C	6.18158766	5.69818113	5.32626343	7.50933754	6.45050758	6.00410393	0.218007708	2.65967911	0.235838531	RAD59
YBR054W	64.8409089	46.621482	50.1152968	58.4190983	61.377557	67.9819509	0.217783278	5.86568885	0.068511611	YRO2
YPL216W	43.0738289	39.8872679	41.4601187	43.5186805	49.3235782	51.8418866	0.217358471	5.49032134	0.026928993	YPL216W
YLR419W	90.4221599	81.7890443	84.4939062	99.6908904	98.6471564	100.003839	0.217341903	6.53320617	0.008460112	YLR419W
YOL048C	30.3818457	36.2611526	34.0759808	36.1867289	40.2668049	40.8020826	0.217334073	5.18785946	0.039576389	RRT8
YGR124W	1089.53771	896.801618	1025.54781	1244.71704	1162.19903	1094.49004	0.217332492	10.084354	0.035101443	ASN2
YBL055C	43.0738289	45.585449	42.6101074	50.2593457	49.714518	52.6811699	0.217224513	5.56803835	0.014621185	YBL055C
YLO18C	22.7535035	22.6200524	24.6339684	25.0705442	29.1901757	27.1798683	0.217203188	4.66401221	0.057604542	TLG2
YDR338C	54.713627	47.6575149	54.1099944	59.2468993	61.1820871	61.3322444	0.21665073	5.81965152	0.016741483	YDR338C
YLR315W	5.91854138	5.35283682	5.14468627	7.15456568	6.12472437	5.7458629	0.216646566	2.59222061	0.240872625	NKP2
YML054C	25.4497279	24.7496756	22.9997739	29.2095492	27.691573	28.0837119	0.216106051	4.7269553	0.046249804	CYB2
YPL181W	56.3576662	51.0534006	58.104692	69.535283	62.6155332	59.976479	0.216090499	5.90033303	0.022386528	CTI6
YIL077C	27.4225751	32.7501521	29.052346	35.8910857	34.2723938	33.5067735	0.215430328	5.01264788	0.044083934	YIL077C
YGL130W	50.570648	57.8451721	48.4811024	67.9388097	56.8165921	57.3940687	0.215408796	5.82392024	0.038038838	CEG1

YDR387C	56.4891894	46.9092689	59.0731035	61.7303023	62.8110031	63.9146547	0.214692258	5.87263746	0.030262351	YDR387C
YER028C	18.9393324	17.0945434	20.2155907	20.2811242	20.6546556	24.339217	0.214640359	4.34782382	0.098986322	MIG3
YLR031W	8.22019636	7.54001745	7.50518938	8.69191038	8.86130335	9.42579756	0.21425897	3.08540984	0.174205595	YLR031W
YPL209C	7.16801122	8.40337823	7.98939514	10.4657696	8.47036349	8.39283344	0.21418177	3.1073666	0.208703621	IPL1
YFR042W	24.3317812	20.2026422	23.4839797	23.2375563	28.7340792	26.9216273	0.214081147	4.619469	0.09208431	KEG1
YBR023C	343.669969	283.124778	347.478163	376.590321	379.602598	373.739329	0.213974505	8.45452051	0.031941798	CHS3
YCR010C	3.35384011	2.99298403	2.36050311	2.77904617	3.64877197	3.67993466	0.213659135	1.6991992	0.370677033	ADY2
YMR026C	25.5812511	33.2106112	25.6629056	32.9346536	31.6009715	33.5067735	0.213641929	4.93313304	0.077804843	PEX12
YGR057C	10.9164208	16.5189695	9.80516677	15.7282188	14.8557144	12.6538104	0.213624678	3.76116269	0.278596377	LST7
YLR187W	48.6635624	50.9958432	55.502086	52.9201346	64.3747626	62.6880098	0.212961744	5.80646275	0.034163215	SKG3
YOL106W	4.14297896	2.82031187	3.08681176	4.25726222	3.06236219	4.26097698	0.212304966	1.89566633	0.3951856	YOL106W
YPR121W	35.1166788	30.7932011	35.5285981	38.8475178	38.246949	40.3501608	0.212193333	5.1933753	0.034995474	THI22
YBL040C	111.400101	98.4231286	109.733132	121.864131	121.321668	126.860906	0.211982926	6.84600116	0.012740621	ERD2
YDR282C	13.3495989	18.3608059	15.5551102	20.2219956	17.85292	16.7211066	0.211798035	4.1005771	0.158485539	YDR282C
YGL027C	265.216415	216.185539	241.01342	303.743834	276.394476	256.304221	0.211753887	8.02192899	0.042086967	CWH41
YJL196C	258.640258	216.300653	249.971227	261.999013	270.530379	306.661222	0.211291006	8.02668978	0.039069248	ELO1
YML102W	62.8023002	57.7876147	66.5782929	77.0446205	69.4569807	70.0478791	0.211110547	6.07481916	0.020304181	CAC2
YHR070C-A	8.48324264	9.6696407	9.19990956	13.7769736	9.57802641	8.26371293	0.210733312	3.31840921	0.30013928	YHR070C-A
YJR097W	4.34026368	5.52550897	4.29732618	6.03112149	5.52484467	5.03570007	0.210628801	2.38641362	0.294170689	JJ3
YJL060W	124.618177	106.193376	121.233019	141.908741	130.117815	135.189179	0.210615336	6.9847558	0.019310213	BN3
YKL134C	35.1166788	42.0168912	39.7048728	43.8143237	46.3915293	45.1276198	0.210428083	5.3976328	0.034333417	OCT1
YOR117W	183.014452	208.357734	195.074398	256.559178	217.818655	204.010413	0.210143251	7.72074823	0.043351492	RPT5
YDR080W	58.7250828	64.8671731	58.5888977	72.2552005	70.6298002	67.9173906	0.210139748	6.03614882	0.015058795	VPS41
YML028W	1809.10081	1472.08768	1505.03257	2058.03151	1783.14183	1694.90043	0.210024516	10.7486078	0.061873421	TSW1
YKL046C	225.496427	205.997881	217.589966	278.200261	236.974708	235.451258	0.209981761	7.86671407	0.030905705	CDW1
YML053W	52.1489257	57.3271556	56.8336518	54.8713798	65.1566423	72.4366086	0.209515963	5.90458012	0.04842966	MSG5
YPL170W	14.0729762	14.7346906	13.7998643	15.2551896	17.0710403	16.9793477	0.209127809	3.94799798	0.118158542	DAP1
YAL005C	2485.85314	2292.45309	2317.71143	2999.30037	2676.96065	2526.04919	0.209043749	11.3161922	0.035108299	SSA1
YNL082W	38.7993268	36.2611526	40.31013	47.243785	44.5671433	41.4476852	0.208857455	5.37707579	0.033477794	PMS1
YBR150C	43.3368752	42.5349076	40.5522329	49.4315447	47.5643489	49.0657955	0.208678463	5.50879402	0.018994603	TBS1
YNL235C	4.60330996	5.64062374	7.08150933	8.21888124	5.01706145	6.77882701	0.20854251	2.67040895	0.367332189	YNL235C
YIR016W	44.0602525	41.9593338	40.1285529	54.1618361	48.4765418	42.9971313	0.208395373	5.50533684	0.045776302	YIR016W
YOL017W	28.343237	25.8432659	26.7523686	33.4668114	30.5584652	29.3749171	0.2081545	4.86670316	0.054437354	ESC8
YFL041W-A	0.06576157	0.23022954	0.18157716	0.05912864	0.13031328	0.38736154	0.207998173	-1.7396858	1	YFL041W-A
YGL149W	1.77556241	1.43893463	1.57366874	2.12863111	2.21532584	1.16208463	0.207867739	0.87829172	0.519200879	YGL149W
YJR128W	1.05218513	1.66916417	1.93682307	2.83817482	1.49860277	1.03296412	0.207728684	0.85846941	0.588164961	YJR128W
YKR104W	9.60118935	8.69116516	9.38148672	10.4657696	10.2295928	11.2334848	0.20719736	3.32888342	0.071429239	YKR104W
YER062C	108.638115	117.704853	105.859486	140.134882	117.868366	125.37602	0.206849512	6.89963215	0.023984081	GPP2
YMR062C	74.6393829	80.407667	69.9677332	92.2406815	81.4458028	85.9942627	0.206814786	6.3382807	0.020987401	ARG7
YOR120W	19.005094	20.4904291	18.5813963	21.2271825	23.3912346	22.4669695	0.206619562	4.39077992	0.079703078	GCY1
YBR227C	40.4433661	41.6715468	44.9100848	56.5861104	48.1507586	41.7704864	0.206535799	5.51494438	0.070159692	MCX1
YER101C	17.624101	21.1235603	18.3392934	23.6514568	19.6121493	22.59609	0.205582994	4.36649876	0.11440594	AST2
YDL007W	167.823529	163.175187	173.164087	212.508339	187.06472	181.672564	0.205506593	7.50007236	0.02675428	RPT2
YBR207W	119.817582	106.999179	137.393386	135.463719	136.959262	147.455628	0.205269862	7.03110299	0.03809194	FTH1
YOR256C	99.760303	101.819014	94.9043302	122.751061	110.701135	108.267551	0.205160857	6.73462975	0.016982359	TRE2
YOR336W	176.635579	147.289349	158.758966	175.375552	189.019419	191.808524	0.204752712	7.43665881	0.031195871	KRE5
YPL192C	5.85277981	5.35283682	4.53942906	7.50933754	5.92925445	4.64833852	0.204490662	2.52801342	0.363237608	PRM3
YKL162C	6.90496494	10.4754441	8.83675524	10.1109978	10.8811593	9.29667705	0.204226566	3.25624477	0.264756288	YKL162C
YLR358C	11.5740365	7.65513222	11.6814641	16.3195052	9.51286977	9.68403859	0.204075527	3.48580557	0.399044121	YLR358C
YBR096W	107.783215	90.9982259	109.672606	106.431556	124.253717	124.601297	0.203969701	6.79073557	0.040200663	YBR096W
YKL175W	183.277498	146.023086	178.006145	192.581987	194.62289	196.973345	0.203855195	7.50790317	0.041363215	ZRT3
YDL206W	49.3869397	41.844219	44.9100848	53.1566492	49.7796747	53.714134	0.203704714	5.61196377	0.033319647	YDL206W
YML060W	25.1866816	26.7066267	26.3286885	31.3973089	28.3431394	30.3433209	0.203647627	4.81648613	0.054897351	OGG1
YBL097W	36.4319103	35.1675623	37.6469983	45.4699257	41.5699378	38.6715941	0.203445675	5.29588495	0.042358813	BRN1
YKR015C	13.0865526	13.756215	15.1314302	12.4761435	16.940727	18.9807156	0.202983339	3.92275234	0.230128132	YKR015C
YKR052C	25.2524432	28.0304466	26.5102657	26.1939884	30.232682	35.5081415	0.20252267	4.8445884	0.106768213	MRS4
YFL016C	137.441683	115.863016	126.740859	150.068493	147.123698	139.966638	0.202519591	7.09072624	0.024169246	MDJ1
YOR248W	24.7263506	23.5409705	15.615636	4.84854864	20.3288724	48.3556327	0.202476063	4.51990514	0.682252902	YOR248W
YPL076W	13.3495989	11.5690344	15.9787903	14.1317454	15.4421242	17.4958297	0.202441242	3.88439119	0.210767547	GPI2
YOL140W	56.8837588	61.2410578	58.528372	64.9823776	66.2643052	72.1138074	0.202373019	5.98763496	0.019808304	ARG8
YOR245C	63.591439	61.7015169	64.5809441	78.4637079	69.5872939	70.3061202	0.202312679	6.09091917	0.020787657	DGA1
YDR236C	37.7471417	34.5344311	40.31013	42.587218	42.2215042	45.1276198	0.202203007	5.33846054	0.041489116	FMN1
YEL024W	81.8731557	72.4647479	78.1992313	87.6286475	92.0011789	87.8019499	0.202157181	6.38256735	0.016933447	RIP1
YNR049C	13.481122	18.0730189	14.526173	17.7385926	17.9832333	17.3667092	0.201749653	4.05853609	0.158872332	MSO1
YKR009C	24.2660196	22.7351671	22.9392482	27.0217894	25.6711711	27.6963504	0.201650919	4.65364704	0.066468187	FOX2
YBR293W	49.5184629	43.4558258	55.8652403	54.6348652	53.36329	63.1399316	0.201588321	5.73976924	0.066468398	VBA2
YLR256W	401.277105	361.920838	398.622397	431.698215	458.637605	445.659456	0.201570556	8.70185289	0.026832618	HAP1
YKL053W	6.7734418	6.33131237	7.14203505	5.49896371	8.34005021	9.49035782	0.201449085	2.88035307	0.338868412	YKL053W
YPL022W	121.527383	122.367001	126.801385	144.56953	146.732758	134.930938	0.201403569	7.05464324	0.014958698	RAD1
YJL149W	36.629195	36.1460379	34.8022895	41.9813358	40.4622748	41.1894441	0.201050637	5.27252887	0.030282948	DAS1
YIL063C	33.4726396	39.4843662	37.1627926	47.8942	39.4197686	39.2526364	0.200792333	5.30710941	0.073424121	YRB2
YKR105C	16.8349621	18.9939371	19.2471792	21.8184689	19.7424626	21.7568067	0.200335525	4.31193621	0.107201863	VBA5
YCR079W	52.872303	48.0028592	54.2310458	59.0695134	55.4483026	63.5918534	0.19998177	5.79825691	0.033269731	PTC6

YGR197C	49.7815091	40.9808582	48.5416281	51.2645326	50.626711	58.0396713	0.199937581	5.64311205	0.05435475	SNG1
YEL075C	1.90708556	1.5540494	1.63419446	2.01037383	1.36828949	2.45328978	0.199682738	0.95749205	0.526013248	YEL075C
YNL094W	97.1956017	93.0702918	91.7569927	108.382801	110.049569	105.36234	0.199487693	6.65939897	0.013198975	APP1
YNL009W	8.61476578	7.54001745	6.65782929	8.21888124	7.75364043	10.2005206	0.199339856	3.04866976	0.271190434	IDP3
YHR040W	29.1981375	27.3973153	29.052346	32.1659813	32.1873813	33.9586953	0.199260394	4.94357867	0.048952691	BCD1
YPL278C	0.92066199	0.57557385	0.96841153	1.30083012	0.84703635	0.64560257	0.199249207	0.0020249	0.717757288	YPL278C
YPL217C	243.580858	216.645998	233.750334	277.135945	262.646425	256.820703	0.199202954	7.9573533	0.028769094	BMS1
YNL293W	34.4590631	32.9228243	32.078632	39.0840324	37.0741294	37.9614313	0.19911555	5.15841825	0.03836796	MSB3
YJL098W	114.425133	115.805459	118.933041	129.787369	135.525816	135.57654	0.199097657	6.96721194	0.013452023	SAP185
YIL056W	111.728909	100.092293	122.806687	119.085085	128.749525	136.286703	0.19897697	6.90562335	0.03855478	VHR1
YJR144W	58.9881291	59.1689919	61.1915037	64.3319625	72.0632463	69.4668368	0.198334376	6.0070256	0.020887829	MGM101
YCR068W	50.7679327	38.102989	46.3021764	51.855819	51.2131208	51.8418866	0.198056483	5.59832157	0.067316921	ATG15
YER077C	45.7700533	53.643483	48.8442567	55.0487657	52.5162537	62.6234495	0.198014463	5.73337009	0.049270726	YER077C
YK1104C	416.204982	356.568001	411.998581	447.130791	450.883964	460.766556	0.197797619	8.72802142	0.036403433	GF1
YIL095W	46.2303843	51.5714171	50.720554	53.8070642	57.3378452	59.3308764	0.197679244	5.73568907	0.029675172	PRK1
YOR006C	36.8264797	36.4913822	39.6443471	43.6960664	42.2215042	43.5781737	0.197131135	5.3408951	0.035143793	TSR3
YLL040C	225.430665	214.746604	224.368847	233.912908	271.768355	256.175101	0.197062192	7.89382842	0.032800907	VPS13
YPL249C	58.9881291	52.8376796	55.8047146	63.5632902	64.6353891	63.8500944	0.196821761	5.90822003	0.022651129	GYP5
YEL074W	1.70980084	1.61160678	1.33156586	2.12863111	1.6940727	1.48488592	0.196537654	0.83657694	0.528080236	YEL074W
YDL009C	4.34026368	3.45344311	3.87364613	5.26244914	4.30033839	3.74449492	0.196463764	2.09945194	0.378381428	YDL009C
YLL057C	11.639798	10.1300998	10.9551555	11.3526993	13.8783648	12.2664489	0.196392375	3.56183061	0.020468749	JLP1
YLR035C	26.2388668	26.9368562	25.0576484	31.1607943	31.6009715	26.857067	0.196194201	4.81240582	0.079878761	MLH2
YNR006W	42.2189285	50.8231711	42.912736	51.6784331	53.36329	50.8089225	0.195856602	5.6077226	0.045906535	VPS27
YDL139C	3.35384011	3.8563448	2.66313171	3.42946124	3.45330204	4.45465775	0.195791022	1.87036946	0.392638786	SCM3
YDL159W	25.9100589	27.2246432	25.9655342	31.0425371	30.6236219	28.9229953	0.19547122	4.82808658	0.060800176	STE7
YJL093C	133.95632	110.567737	131.219763	139.602724	140.933817	149.521556	0.195132227	7.07040412	0.037483817	TOK1
YNL054W	88.580836	85.6453891	83.2833918	92.5363247	103.533905	98.7126334	0.194860239	6.52600099	0.020743092	VAC7
YLR401C	101.338581	99.8045058	107.191052	123.578862	119.106342	110.075239	0.194407597	6.78535547	0.022054379	DUS3
YNL027W	42.5477364	45.7005638	42.0048502	47.3029136	50.1706145	51.6482058	0.194222464	5.54471702	0.033597161	CRZ1
YKR072C	122.448045	120.294935	127.769797	139.957496	141.84601	142.032566	0.193960239	7.04992367	0.016427415	SIS2
YIR003W	91.2770604	79.0838472	85.9465235	110.925332	94.4119746	87.6082691	0.193691574	6.5182953	0.056458697	AIM21
YIL053W	870.814721	836.251249	859.646812	1070.05103	989.142986	876.018131	0.19358879	9.84095449	0.051262673	GPP1
YPL194W	19.465425	21.1811177	20.6392708	23.2375563	24.3034276	22.59609	0.193559598	4.46117948	0.091579351	DDC1
YOL108C	4.86635624	5.58306636	4.72100622	7.33195161	4.95190481	5.03570007	0.193533019	2.47359748	0.373599617	INO4
YLR095C	102.851097	95.2574724	96.4174732	111.930519	116.956173	107.686509	0.192809815	6.71827319	0.020113677	IOC2
YOR041C	11.2452286	9.6696407	10.834104	12.1805003	13.4874249	10.5878822	0.192775098	3.5168615	0.227896445	YOR041C
YJR109C	114.951226	97.9051121	102.348994	123.519733	116.891016	119.565596	0.192292294	6.81555593	0.029128801	CPA2
YPL024W	17.2952931	19.1090519	16.8261504	23.4740709	20.0682458	17.2375887	0.192026565	4.25848148	0.183524774	RM11
YER147C	43.4026368	40.0023827	42.9732618	42.8682655	52.7117236	48.8075545	0.191741604	5.49914038	0.058404094	SCC4
Q0045	1.70980084	2.35985279	2.29997739	2.06950247	3.12751883	2.13048849	0.191720823	1.26662702	0.49103119	COX1
YNL089C	8.41748107	14.044002	9.56306389	14.36826	16.028534	6.1977847	0.191353345	3.53488496	0.518204093	YNL089C
YKL157W	331.56984	312.536601	343.604517	370.263556	378.494935	378.96871	0.19128223	8.46223431	0.030682116	APE2
YDL130W-A	6.51039552	7.07955837	5.74994348	9.51971136	6.51566423	6.00410393	0.191253976	2.812496309	0.375139545	STF1
YOL122C	193.602065	156.153186	180.971905	191.635929	200.161205	213.823572	0.190663037	7.56595254	0.057362347	SMF1
YKL129C	98.5765947	90.7679964	92.4833014	108.382801	104.250628	108.848594	0.190361706	6.65340616	0.020003296	MYO3
YLR234W	24.3975428	21.2962325	26.3892143	27.9678477	26.6490667	27.5672299	0.19023302	4.69072882	0.106173349	TOP3
YNL326C	38.9966115	31.7716766	36.3759582	37.7240736	43.8504202	40.6084018	0.190086331	5.25994075	0.082429733	PFA3
YBR136W	70.8909734	63.0828941	68.938796	73.1421302	82.1625259	76.1165433	0.189849248	6.17975083	0.032105319	MEC1
YOL019W	131.983473	103.833523	122.806687	125.234464	136.959262	146.745465	0.189691863	7.00019914	0.064535656	YOL019W
YCR028C	82.2677252	70.9106985	80.9834144	84.7904726	91.0889859	90.9654025	0.188819785	6.38548552	0.033389352	FEN2
YGL007W	0.72337728	0.28778693	0.66578293	0.35477185	0.52125314	1.03296412	0.188809015	-0.4876105	0.742183009	BRP1
YBL099W	1190.21867	944.804477	1117.66796	1366.28553	1217.64733	1123.34848	0.188794683	10.180043	0.093971937	ATP1
YNL171C	3.48536326	3.39588572	3.57101753	5.38070642	3.84424189	2.64697055	0.188771205	1.94710806	0.47115763	YNL171C
YMR251W-A	5.1951641	3.68367265	2.48155455	3.96161901	4.88674817	4.06729621	0.18872711	2.05326838	0.492273814	HOR7
YIR031C	28.0801908	29.5269386	27.9023573	33.0529109	33.5556708	30.859803	0.188541894	4.93635239	0.065118397	DAL7
YGR141W	57.0152819	56.8091391	57.9836405	67.1701373	61.4427137	67.0781073	0.188038862	5.93949705	0.027489754	VPS62
YFR047C	145.793403	112.294458	132.2487	166.801899	137.154732	140.353999	0.187551716	7.12123695	0.08917637	BNA6
YLR252W	3.35384011	3.97145957	3.87364613	5.02593457	4.82159153	2.90521158	0.187487587	2.0444436	0.449609009	YLR252W
YER169W	115.806126	126.914034	123.290893	130.20127	137.219889	149.521556	0.187465744	7.02911859	0.032298871	RPH1
YHL005C	0.06576157	0.23022954	0.24210288	0.23651457	0.26062657	0.12912051	0.187398233	-1.6438801	1	YHL005C
YKR048C	261.533767	229.251065	259.897445	333.722056	277.371826	243.52129	0.187327734	8.06435545	0.107429495	NAP1
YDR129C	438.563916	423.967699	415.448548	534.522924	469.909704	450.566035	0.18726349	8.83169654	0.051384946	SAC6
YDR255C	25.0551585	29.9873977	29.1128717	34.9450274	30.8190918	30.0850799	0.187157977	4.91363357	0.102690566	RMD5
YPL214C	51.5570716	54.4492863	51.8705427	60.6659867	59.748641	59.3308764	0.186872729	5.8174512	0.027281378	THI6
YDR009W	6.57615709	6.79177145	7.08150933	7.0363084	7.94911036	8.32827319	0.186588107	2.88953339	0.263274716	GAL3
YIL072W	12.9550295	12.259723	12.7709271	13.540459	13.6828949	16.0109438	0.186458411	3.77075044	0.187556725	HOP1
YLR189C	113.767518	109.934606	105.566857	134.517661	124.058247	115.950222	0.186280824	6.87554064	0.032926129	ATG26
YOR055W	2.30165498	2.30229541	1.57366874	2.60166025	2.86689226	1.54944617	0.18603487	1.21604295	0.567085881	YOR055W
YOR196C	58.1332286	56.2911227	56.5915489	65.8101786	67.3068115	61.3968047	0.186028082	5.93164014	0.029339135	LIP5
YHR037W	107.125599	120.352492	106.343691	132.921187	119.953378	126.925466	0.186018771	6.89565329	0.034090095	PUT2
YHR142W	106.204937	85.0122579	103.620034	120.385915	109.267689	105.556021	0.185952275	6.71588356	0.063485261	CHS7
YML038C	131.260095	114.136295	126.438231	147.644219	136.894105	138.223511	0.185724242	7.05034837	0.034620261	YMD8
YMR176W	95.6830856	93.0702918	86.9149351	101.050849	107.182677	105.29778	0.185663007	6.61926954	0.025425876	ECM5

YOR015W	14.9936382	14.8498054	16.4629961	16.3195052	17.7877633	18.5933541	0.18554474	4.05440335	0.157908257	YOR015W
YIL142W	259.692443	262.116332	249.971227	303.093419	285.711876	288.711347	0.18529601	8.10331456	0.033921358	CCT2
YEL034C-A	1990.0109	1650.80336	1856.92911	2085.4672	2020.63779	2144.04614	0.185079047	10.9352277	0.062391111	YEL034C-A
YPR085C	25.9758205	30.2176272	29.2339231	33.8807119	29.6462722	33.635894	0.184966451	4.93383565	0.094949251	ASA1
YDR223W	16.3088696	13.1806412	15.615636	17.0290489	16.8755703	17.3021489	0.184866897	4.01439692	0.183316647	CRF1
YBR098W	19.465425	17.785232	18.2787677	20.0446096	21.306222	21.7568067	0.184840896	4.31340519	0.128054029	MMS4
YDR273W	9.4696662	8.9213947	10.410424	12.0031143	10.2295928	10.4587617	0.184551635	3.3749941	0.247477703	DON1
YGR088W	24.0029734	23.3682984	21.9708366	25.4253161	26.9096933	26.4697055	0.184472733	4.63251206	0.094040288	CIT1
YLR233C	17.9529088	21.5840194	20.7603222	22.291498	23.7170178	22.59609	0.184085441	4.43370344	0.127645209	EST1
YDR171W	39.3911809	44.7796456	39.46277	56.5861104	43.9807335	39.8336787	0.184017553	5.46448411	0.144172062	HSP42
YDR242W	29.0666143	24.0014296	25.7839571	28.6182627	28.9295492	31.9573273	0.183964158	4.81568097	0.111881802	AMD2
YFL008W	105.350037	92.6673901	95.2069588	117.015583	112.786148	103.102731	0.183792616	6.70691867	0.039180129	SWC1
YNR004W	4.07721739	4.71970558	4.53942906	4.61203408	3.97455518	6.58514624	0.182901415	2.28516482	0.426375392	SWM2
YLR338W	25.0551585	21.9293637	24.1497266	22.6462699	31.144875	26.9861875	0.182801864	4.66750272	0.169797103	OPI9
YNL095C	63.2626312	52.60745	55.502086	64.745863	62.2245934	67.4009086	0.182726023	5.93219504	0.053277136	YNL095C
YKL159C	12.6919832	12.3172804	12.5288242	13.1856872	14.6602445	14.7842989	0.182690239	3.75207728	0.184272291	RCN1
YJR035W	40.7064124	37.5274151	42.2469531	44.9968966	46.5218426	45.1921801	0.182666057	5.42551012	0.049642176	RAD26
YGR012W	51.1625021	50.8807285	52.5968514	58.2417124	57.2075319	60.0410393	0.182434539	5.78501562	0.031912156	YGR012W
YJR117W	307.566867	235.75505	292.399757	286.9513	315.162679	345.913858	0.182006153	8.21615765	0.109671887	STE24
YGR136W	69.9045498	90.3650947	73.6598022	89.2251208	91.5450824	84.7676178	0.182001649	6.38164894	0.071963553	LSB1
YBR222C	202.085307	156.786317	192.290215	190.157713	209.608918	225.250738	0.181574053	7.61558386	0.098930429	PCS60
YMR086C-A	2.76198598	2.12962325	2.11840023	2.54253161	2.9320489	2.45328978	0.181359313	1.38118162	0.490718346	YMR086C-A
Q0075	0.39456943	0.46045908	0.3026286	0.47302914	0.32578321	0.51648206	0.181197264	-0.8974169	0.885357853	AI5 BETA
YAL024C	89.8960674	74.9972728	82.5570832	90.4668223	97.9304333	92.0629269	0.181186514	6.46082874	0.04626295	LTE1
YNL144C	23.4768808	22.7351671	22.5760939	26.7261462	24.3685842	26.857067	0.181123818	4.61920987	0.104557862	YNL144C
YBR125C	50.2418401	48.6359904	51.6284398	50.0228311	59.6183277	61.0740034	0.1811033108	5.74523377	0.065822122	PTC4
YIL104C	24.5290659	25.9583807	26.0260599	29.6825783	28.9295492	28.1482722	0.180991473	4.77280389	0.086523226	SHQ1
YDR249C	24.3317812	20.8933308	24.1497626	23.7697141	25.3459338	29.5040376	0.180639295	4.6304006	0.150535686	YDR249C
YLR030W	13.941453	10.3027719	12.347247	12.9491726	13.4874249	14.9779797	0.180545727	3.71164078	0.256852827	YLR030W
YMR021C	22.3589341	29.5269386	22.9997739	26.4896316	29.1901757	29.3103568	0.180252978	4.74281271	0.158858092	MAC1
YIR024C	5.85277981	5.23772205	5.02363483	6.91805112	5.60347123	5.68130264	0.180203218	2.54689393	0.350125706	INA22
YFL040W	15.1251613	13.5835429	13.1340814	14.7821605	15.3118109	17.3021489	0.180200917	3.90507998	0.200588989	YFL040W
YBR160W	30.3160842	40.1174974	28.9918203	41.3309208	38.0514791	33.3130927	0.180034437	5.1497152	0.176442855	CDC28
YMR053C	15.6512539	17.4398877	17.3708819	20.3993815	18.765113	18.0123118	0.179888888	4.17565614	0.161910392	STB2
YDR011W	602.573274	490.791823	561.073432	626.586219	641.076203	606.220816	0.17978659	9.20005274	0.070666606	SNQ2
YDR104C	42.8765442	40.8657435	37.5864726	47.7168141	43.0685405	46.5479455	0.17964939	5.43392725	0.062822484	SPO71
YPL130W	7.56258065	7.13711576	6.4157264	7.62759482	8.86130335	7.42442959	0.179527094	2.92959031	0.297515294	SPO19
YNL217W	60.3691221	70.9106985	65.6098813	73.496902	74.7998253	74.8253382	0.179490932	6.13196521	0.041314743	YNL217W
YKL075C	26.9622441	26.5915119	22.5760939	31.4564375	29.5811156	25.1139401	0.179429216	4.76402979	0.152361898	YKL075C
YDR038C	213.001728	166.801302	213.534743	224.393196	220.164294	227.187545	0.17932407	7.7207473	0.088699625	ENA5
YFR017C	8.08867322	6.56154191	7.32361222	8.8692963	7.23238729	8.71563473	0.179300936	2.9847516	0.314185029	IJD1
YOR079C	32.946547	31.3112175	34.6207123	39.4388042	34.9891169	37.4449492	0.179024083	5.13945928	0.076003969	ATX2
YLO14W	135.534598	121.73387	138.543375	142.618285	155.268279	150.102598	0.17872694	7.13687312	0.042018853	BUD3
YLR057W	81.0182553	74.3641416	79.8939514	84.4948294	90.52025761	91.2236435	0.178351537	6.38697159	0.033119383	MNL2
YOL085C	0.52609257	0.46045908	0.24210288	0.23651457	0.65156642	0.51648206	0.17818867	-0.8419373	0.89035219	YOL085C
YHR206W	121.00129	111.315983	124.804036	118.43467	136.698635	148.940514	0.178011368	6.98827951	0.06954462	SKN7
YCR083W	11.2452286	15.3102644	10.7735783	12.2396289	12.5100753	17.56039	0.177980357	3.74401632	0.350003986	TRX3
YDL125C	210.17398	178.830796	203.911153	234.031165	226.679958	209.885396	0.177916421	7.71902305	0.06414595	HNT1
YKL133C	11.7055596	13.2381986	10.9551555	13.6587163	13.0964851	13.8804553	0.177689127	3.68726611	0.219044945	YKL133C
YBR269C	35.6427714	31.665618	33.2891464	37.664945	40.9183713	35.12078	0.177555624	5.16287344	0.08826445	SDH8
YHR162W	63.6572006	78.4507159	73.7808536	86.2686887	78.5137539	79.4736767	0.177518017	6.26362486	0.062013149	MPC2
YCR006C	3.81417111	4.77726297	4.84205766	4.73029136	6.18988101	4.32553724	0.177507149	2.29401442	0.40267032	YCR006C
YDL094C	3.87993268	2.12962325	3.44996609	3.07468938	3.71392861	3.87361544	0.177145919	1.78975243	0.498244845	YDL094C
YJR142W	27.0937672	33.7286277	26.0260599	33.2302968	31.6009715	33.4422133	0.177049686	4.95360093	0.134572131	YJR142W
YLR087C	112.781094	106.193376	116.875167	114.236536	134.939406	130.54084	0.176867311	6.89921587	0.050853505	CSF1
YEL035C	0.32880785	0.17267216	0.72630865	0.29564321	0.52125314	0.58104232	0.176855039	-0.8420944	0.892311627	UTR5
YKR097W	8.3517195	5.35283682	8.65517807	8.8692963	7.23238729	9.10299627	0.176407808	3.00675157	0.411679956	PCK1
YCR022C	1.1179467	0.92091816	0.90788581	1.41908741	1.04250628	0.83928334	0.176163361	0.22222458	0.673716601	YCR022C
YBR273C	50.7021711	44.8947604	45.2127134	56.4678531	51.0176509	51.454525	0.176118867	5.64600625	0.063882825	UBX7
YDL058W	218.591462	187.406846	205.424296	245.088221	228.439188	216.922464	0.175697281	7.76216455	0.065873464	USO1
YDL176W	43.3368752	47.081941	42.9732618	47.3620423	55.187676	48.2265122	0.17568879	5.56918249	0.070338258	YDL176W
YGL073W	89.8987827	83.688438	92.4227757	93.4232544	97.2788669	109.494196	0.175423687	6.56134142	0.051910096	HSF1
YPR127W	58.0674671	58.3056311	58.0441662	67.1701373	63.7883528	65.9805829	0.175376705	5.95452225	0.033785231	YPR127W
YNL108C	32.025885	39.8297105	28.9918203	39.7935761	38.4424189	35.7018223	0.175273548	5.16726971	0.15068566	YNL108C
YJL004C	46.3619075	41.3262025	45.2732392	50.6732462	49.9751446	49.3885968	0.175207251	5.5631171	0.054263699	SYS1
YOR054C	37.1552875	37.0093986	41.3390673	47.0072704	42.5472874	40.8020826	0.175090391	5.3612385	0.08270464	VHS3
YPR018W	38.7335652	34.4193163	35.1049181	48.3081005	38.246949	35.5081415	0.174959551	5.26740124	0.152843878	RLF2
YGR134W	74.7051445	67.5148128	74.9913681	83.0166134	81.5761161	80.5066408	0.174833447	6.26987555	0.037663651	CAF130
YPR064W	0.19728471	0.74824601	0.36315432	0.35477185	0.58640978	0.58104232	0.174655117	-0.7402791	0.793115907	YPR064W
YKL203C	187.420477	175.492467	190.171815	201.392155	215.538173	207.173866	0.174305472	7.61696998	0.048294212	TOR2
YMR247C	144.280886	139.1162	143.688061	154.325756	165.106931	162.498168	0.174246598	7.24424924	0.034116287	RKR1
YIR002C	78.5850772	73.5007808	75.0518938	90.8807228	87.1144307	78.1824715	0.174232831	6.33400266	0.047513314	MPH1
YEL063C	200.704314	167.607106	208.269005	195.06539	221.728054	233.772692	0.174201928	7.67679192	0.103633041	CAN1

YNL062C	58.2647518	76.1484205	65.8519842	79.114123	74.2134155	72.7594099	0.174151807	6.15384143	0.087336664	GCD10
YNR011C	54.253296	50.7080563	51.9915942	55.9356953	59.3577011	61.7841662	0.174061808	5.80166182	0.047966145	PRR2
YML070W	230.099736	216.58844	218.982058	265.014573	247.139144	238.679271	0.173886956	7.88388697	0.052473611	DAK1
YDR109C	53.0038261	49.9022529	56.4704975	60.1929576	59.748641	59.7827982	0.173642153	5.82356367	0.047787191	YDR109C
YOL006C	121.00129	123.633263	126.135602	147.112061	140.282251	130.669961	0.173310008	7.04000098	0.039084718	TOP1
YLR241W	183.803591	146.828889	166.445732	191.5768	186.86925	181.801684	0.173020009	7.4620891	0.077412165	CSC1
YER165C-A	5.39244881	4.71970558	4.59995478	4.96680593	6.45050758	5.16482058	0.172425106	2.4131551	0.390936429	YER165C-A
YJL036W	28.2774755	30.7932011	30.565489	36.1867289	33.8162973	30.9889235	0.172047825	4.99563436	0.106185752	SNX4
YCR076C	28.6062833	28.0880039	30.141809	35.181542	32.1873813	30.4078812	0.172038526	4.94930391	0.105352538	FUB1
YIL075C	715.354368	657.075109	667.17502	834.719039	762.072088	700.930713	0.17199551	9.49786933	0.079602493	RPN2
YNL205C	1.1179467	1.1511477	1.7552459	1.1234442	2.15016919	1.29120515	0.171909441	0.63217121	0.65468861	YNL205C
YMR221C	172.229554	129.734346	154.522165	164.436753	165.693341	183.932173	0.171727611	7.33851619	0.109202069	YMR221C
YPR038W	13.3495989	10.1876572	12.347247	12.3578862	15.3118109	12.7183707	0.171669682	3.67941853	0.292585169	IRC16
YNL215W	22.8192651	23.8287574	26.5102657	30.9834084	25.4110905	25.9532234	0.171413155	4.7034042	0.163222385	IES2
YHR161C	76.3491838	74.3065842	80.0755286	83.253128	89.3297565	87.2854678	0.171367395	6.35542018	0.037524612	YAP1801
YER006W	189.064516	207.551931	199.00857	220.608963	228.113405	222.087285	0.17129224	7.72243721	0.050910943	NUG1
YDR507C	167.494721	147.231791	159.303697	186.78738	177.877633	168.954193	0.171217895	7.3927936	0.058088719	GIN4
YKR054C	161.378895	145.735299	161.724726	161.184678	191.039275	175.539339	0.170751634	7.37678008	0.070365413	DYN1
YNL162W-A	0.39456943	0.92091816	0.66578293	0.7095437	0.65156642	0.9038436	0.170538143	-0.2586463	0.752652318	YNL162W-A
YLR137W	29.1323759	30.9658732	34.3786094	38.7883892	33.3602008	34.1523761	0.170363936	5.07026753	0.12496565	RKM5
YJL144W	1.18370828	1.26626247	1.39209158	1.59647333	1.88954263	0.83928334	0.170164709	0.57196445	0.635564696	YJL144W
YLR454W	183.145975	178.830796	180.003494	200.919126	205.569206	203.23569	0.16992971	7.58545207	0.046003457	FMP27
YEL020C	49.9787939	45.3552195	50.1152968	57.4139114	52.3859404	53.714134	0.169915014	5.68964437	0.064809424	YEL020C
YFL055W	12.2316522	7.94291915	10.4709497	12.7717867	10.750846	10.8461232	0.169747038	3.45219933	0.365607781	AGP3
YLR207W	95.4200393	92.0342588	91.5148898	101.819522	106.33564	105.620581	0.169645098	6.62793773	0.034848815	HRD3
YML049C	155.789161	145.792857	151.374828	161.362064	172.209006	175.797581	0.169339789	7.3263802	0.047915998	RSE1
YGL140C	277.11926	212.616981	262.984257	283.46271	277.371826	285.485458	0.169329262	8.05856563	0.110031908	YGL140C
YNR050C	211.226166	186.946387	196.769118	222.323694	222.900873	223.701291	0.169302104	7.71940483	0.057749768	LYS9
YLR006C	61.750115	60.5503692	58.0441662	69.7717976	67.0461849	65.9160227	0.169257641	5.99923995	0.043746474	SSK1
YJL132W	31.6970772	30.1025124	29.5970775	35.6545711	31.9919114	35.0562197	0.16923337	5.0210186	0.099696301	YJL132W
YNL015W	1.77556241	2.53252495	0.90788581	2.36514568	2.08501255	1.42032566	0.168976268	0.98559864	0.634459303	PBI2
YLR337C	166.705582	163.808318	176.493002	158.169117	194.883517	217.051585	0.16895533	7.48877384	0.128693572	VRP1
YLR094C	78.8481235	80.9256835	90.3043754	89.9346645	94.2165047	97.0340667	0.168710463	6.47022897	0.052390882	GIS3
YJL023C	10.2588051	12.0870509	10.3498983	13.6587163	12.6403886	10.4587617	0.168663849	3.54983416	0.300393773	PET130
YFL042C	40.9036971	36.606497	39.9469757	49.549802	43.6549503	38.6715941	0.168516232	5.38129027	0.126781418	YFL042C
YJL222W	66.9452791	42.9378093	75.7782024	55.2852803	73.2360659	80.1192793	0.168438029	6.0397664	0.336852188	VTH2
YMR227C	31.9601234	26.4188398	31.3523234	36.3049862	31.4706582	32.9257312	0.168328764	4.99345044	0.142156462	TAf7
YGR216C	75.7573296	67.3421406	76.9887169	74.2655744	82.879249	90.1906794	0.168297858	6.28547093	0.079905955	GPI1
YBR140C	288.298727	245.079346	292.702386	283.640096	323.958825	320.541677	0.168090779	8.19212745	0.09648188	IRA1
YGL198W	102.588051	92.1493736	91.8780442	112.34442	106.270484	103.231851	0.167934013	6.66569012	0.05062143	YIP4
YJL100W	35.5770098	34.2466442	37.3443697	40.2074766	40.3319616	39.8336787	0.167837152	5.24947445	0.076031436	LSB6
YMR218C	75.8888528	86.0482908	80.2571058	93.482383	91.4799257	87.1563473	0.167645158	6.42374017	0.04913944	TRS130
YPL026C	74.3763367	93.1854065	78.6229113	84.4948294	91.8057089	100.3912	0.167518747	6.44743541	0.101384841	SKS1
YBR126W-A	11.7713212	10.4754441	10.2893725	15.4325756	10.8160026	10.2005206	0.167249827	3.53998231	0.372675176	YBR126W-A
YMR155W	53.2011108	43.2831536	57.5599605	54.2209647	54.9270494	63.7855342	0.167240297	5.77076612	0.143723811	YMR155W
YPL082C	263.112045	252.274019	245.734426	263.240714	304.411833	286.841223	0.166880857	8.07346169	0.072108606	MOT1
YHR056W-A	4.60330996	4.20168912	6.65782929	6.44502198	5.14737474	5.7458629	0.166700575	2.48394063	0.449067585	YHR056W-A
YMR084W	2.89350912	2.30229541	2.60260599	3.01556074	3.19267547	2.51785003	0.166551084	1.52227457	0.517707434	YMR084W
YFR031C	98.2477869	92.4371605	100.654274	109.151473	108.746436	109.042275	0.166537167	6.68875664	0.040225313	SMC2
YNR035C	250.222777	241.165444	232.660871	257.505236	266.490667	288.64891	0.166519927	8.00126303	0.06748042	ARC35
YLL009C	0.92066199	1.38137724	0.90788581	1.71473062	1.04250628	0.83928334	0.166461779	0.34294073	0.706180983	COX17
YGL158W	3.68264797	3.68367265	3.93417185	4.37551951	4.6261216	3.67993466	0.166387076	2.04269911	0.436674292	RCK1
YHR172W	43.4026368	42.0744485	38.9785642	45.4699257	46.9127824	47.2581083	0.166203571	5.46365492	0.071458758	SPC97
YPR116W	5.91854138	6.50398452	5.99204636	4.90767729	6.97176072	8.84475525	0.166192307	2.72934119	0.451825927	RRG8
YPL277C	11.9686059	10.4178867	10.2288468	13.4222017	12.8358585	10.2650809	0.165762478	3.54135299	0.313401204	YPL277C
YDL126C	1058.95858	995.282304	989.474484	1249.97949	1092.22079	1071.70027	0.165640553	10.0719901	0.089784512	CDC48
YKL210W	705.884702	671.694685	664.996094	781.14849	751.516712	757.291818	0.164972878	9.49626446	0.064732241	UBA1
YKL052C	49.1238934	40.5779565	46.1205992	48.6628724	48.4113852	55.0698994	0.164503749	5.58786169	0.108675536	ASK1
YGL056C	91.7373914	109.128802	114.151509	103.356866	116.63039	133.252371	0.16448131	6.80083738	0.133315165	SDS23
YER168C	71.877397	84.9547005	74.2045337	78.6410939	87.0492741	93.4186923	0.16440324	6.3542269	0.087958834	CCA1
YGR009C	81.4128247	72.2920757	83.7070719	88.3973198	89.06913	88.5121127	0.164347284	6.39247174	0.056608222	SEC9
YCL043C	2415.02793	1744.6219	2218.38872	2506.46313	2371.05021	2269.74496	0.164309977	11.1384735	0.166429191	PDI1
YAL019W	147.503203	134.454052	144.293318	154.739656	158.526111	164.305855	0.164155281	7.23596843	0.051526718	FUN30
YOR141C	84.2405723	79.947208	78.1992313	97.621388	90.2419495	83.6055332	0.164144253	6.42232027	0.062637864	ARP8
YGR260W	327.624146	262.404119	325.870481	315.68782	334.709671	375.805258	0.164131154	8.33885727	0.135012172	TNA1
YPR155C	40.8379355	50.9958432	40.975913	55.3444089	48.4113852	45.0630596	0.163855285	5.55715708	0.153004988	NCA2
YHR118C	13.4153605	14.7346906	16.2208932	15.9647333	17.85292	15.9463835	0.163754106	3.98290364	0.23174433	ORC6
YCL010C	53.2668724	46.3912524	56.5915489	63.3859042	57.6636284	53.8432546	0.163673063	5.7894859	0.111306963	SGF29
YER004W	109.427254	87.8901271	101.320057	104.362053	108.941906	121.115043	0.163638185	6.72253036	0.09854776	FMP52
YMR020W	35.1824404	35.3402345	35.6496495	41.6856926	41.2441546	35.9600633	0.163582215	5.23398362	0.102127711	FMS1
YOR162C	35.7742946	41.0384156	39.46277	42.5726222	41.9608776	45.7732224	0.163165466	5.36540765	0.095441916	YRR1
YML130C	166.508297	198.285192	182.18242	208.014563	199.965735	204.526895	0.162987346	7.59530539	0.081090865	ERO1
YER042W	9.86423563	14.792248	9.74464105	14.5456459	12.9661718	11.039804	0.162751568	3.62152654	0.39866898	MXR1

YDR421W	39.2596578	39.599481	38.0101527	44.8195106	40.5925881	45.3585609	0.162730409	5.37157679	0.086754954	ARO80
YDR122W	156.5125239	143.087659	156.035308	174.784266	173.251512	161.788005	0.162377528	7.33113928	0.062531627	KIN1
YPL091W	207.872326	233.452754	208.874262	267.616234	237.235334	222.668327	0.162122105	7.84397713	0.102032111	GLR1
YIL013C	51.4255484	43.2255962	52.5968514	50.9688894	56.4256522	57.3295084	0.162089491	5.70309259	0.111600019	PDR11
YJR134C	64.6436242	61.125943	63.4914811	73.2603875	68.479631	69.9187586	0.161987127	6.06477747	0.053585599	SGM1
YER068C-A	3.68264797	2.87786926	3.38944036	2.77904617	3.97455518	4.39009749	0.161801229	1.85677381	0.51223055	YER068C-A
YMR302C	125.538839	117.877525	119.417247	144.037372	133.31049	128.410352	0.161759549	7.00247055	0.057622296	YME2
YLR134W	37.7471417	30.6205289	35.8312267	37.9014595	39.6152385	38.9298351	0.161461459	5.20466665	0.128027339	PDC5
YDR135C	422.781139	375.73461	406.067061	429.569584	448.603482	468.901149	0.161342972	8.73260796	0.080703625	YCF1
YER164W	171.243131	157.937465	176.674579	194.888004	195.078987	175.66846	0.161337445	7.48138195	0.078375615	CHD1
YLL034C	121.658906	125.590214	126.014551	148.294634	134.222683	134.866377	0.161321466	7.04333943	0.054203711	RIX7
YDR178W	57.4756129	47.1970558	49.3889882	58.0051978	54.2103264	59.9119187	0.161195574	5.76739938	0.105577996	SDH4
YLR011W	4.14297896	4.83482035	4.90258338	5.79460692	4.69127824	5.03570007	0.160964356	2.33143628	0.428484667	LOT6
YGR258C	75.6258065	70.2775673	77.3518712	87.1556183	82.4231525	79.8610382	0.16059973	6.3019884	0.05829319	RAD2
YKR031C	145.924926	140.842921	151.495879	164.495882	165.172088	160.173998	0.160597241	7.27427418	0.051895043	SPO14
YAL011W	42.9423058	43.1680389	41.4601187	53.0383919	46.7173125	42.7388903	0.160495262	5.49639329	0.113676763	SWC3
YLL008W	199.191798	178.024992	201.248022	219.249005	218.209595	208.981553	0.160484194	7.6742855	0.076498389	DRS1
YNL166C	56.4234278	56.636467	53.9284172	65.3962781	63.3974129	57.7814303	0.16039244	5.88388699	0.069885011	BNI5
YPR161C	71.3513044	71.140928	69.1203731	78.9367371	78.8395371	78.6989536	0.160306902	6.22495485	0.04558814	SGV1
YDL142C	21.306749	24.3467739	25.2392256	24.6566437	27.1703198	26.926696	0.160229859	4.65300499	0.171086387	CRD1
YBL088C	133.035658	121.388525	122.988265	130.733427	143.800709	147.197387	0.160207007	7.05845801	0.066633016	TEL1
YOL128C	25.7785358	27.9153318	27.3576258	29.8008356	29.1901757	31.6345261	0.160175906	4.84480937	0.127427541	YGK3
YFL010W-A	26.5676746	31.080988	28.4470888	42.2178504	31.0797184	22.8543311	0.160054336	4.93237556	0.360884409	AUA1
YLR288C	17.16377	20.317757	18.0971905	20.5176388	21.1759087	20.4656016	0.159670971	4.30386646	0.196612589	MEC3
YPL182C	5.85277981	6.2161976	6.17362352	6.14937877	7.5581705	6.71426676	0.1596608	2.71407208	0.360831565	YPL182C
YPR059C	9.20661992	9.55452593	9.55452593	10.7130526	10.7130526	11.5327257	0.159480623	3.39573993	0.295738163	YPR059C
YMR090W	15.6512539	17.5550025	15.2524816	20.813282	17.85292	15.4299015	0.159375295	4.10693435	0.281304953	YMR090W
YGR191W	291.389521	238.057345	294.155003	281.511465	294.833806	343.396008	0.159343657	8.18315044	0.15065109	HIP1
YOL113W	36.2346255	43.5133832	41.5206445	47.3029136	43.8504202	44.3528967	0.159274017	5.42400939	0.11003374	SKM1
YJR114W	10.4560898	9.20918162	10.0472697	11.3526993	9.96896627	11.8145271	0.159167567	3.40493982	0.316539838	YJR114W
YPL043W	154.210884	147.92248	151.495879	182.116217	161.849099	162.433607	0.159083845	7.32309465	0.070128107	NOP4
YDR176W	58.5277981	61.0108283	57.4294348	68.4709674	62.2245934	66.9489868	0.15895257	5.96747388	0.064185043	NGG1
YMR191W	89.1069285	70.9106985	88.6096552	82.9574847	92.1314922	102.457128	0.158946309	6.45594517	0.14338356	SPG5
YBR225W	51.7543563	55.888221	52.1126456	57.0591395	59.553171	61.8487265	0.158910378	5.8198965	0.068686555	YBR225W
YKR011C	31.1709846	37.9878742	28.5076145	40.8578916	35.51037	32.6674902	0.158711052	5.1124383	0.21266719	YKR011C
YLR318W	25.2524432	33.7286277	25.1786999	29.7417069	32.2525379	32.0864479	0.158696707	4.89910461	0.212785951	EST2
YJL058C	17.4268163	17.1521008	16.3419446	14.4273887	19.5469927	22.9188913	0.158326413	4.17528139	0.339210982	BIT61
YBR170C	64.6436242	62.9677793	63.8546354	71.5456568	68.8705709	73.2113317	0.158218219	6.07966137	0.055213808	NPL4
YIL154C	86.3449425	66.3061077	77.8966027	94.9605991	82.5534657	79.5382369	0.158190799	6.34657512	0.142703639	IMP2
YNR002C	9.53542778	8.00047653	8.71570379	8.10062396	10.0992796	11.1043642	0.158175512	3.22663849	0.372866273	ATO2
YPL155C	49.8472707	47.1970558	48.4811024	56.7043677	53.7542299	51.7773263	0.157614793	5.68408155	0.07699762	KIP2
YLR232W	15.9800617	14.2742315	17.128779	15.9647333	15.8330641	21.0466439	0.157194753	4.07149873	0.309367482	YLR232W
YNL280C	148.884196	133.072674	149.801159	162.544637	162.174883	156.494064	0.156737153	7.25052636	0.068844669	ERG24
YDR379W	57.4756129	61.6439595	53.9889429	60.8433726	61.8988101	70.3061202	0.156648349	5.93412736	0.096406326	RG24
YDL231C	198.86299	163.808318	188.234992	190.867256	214.23504	208.916993	0.156618634	7.60176845	0.114184295	BRE4
YDL203C	53.9902497	54.7946307	55.1994574	56.645239	65.2869555	60.9448829	0.156586748	5.85603816	0.078288079	ACK1
YMR147W	18.4132398	15.6556088	16.2208932	17.5612067	19.0908962	19.3680772	0.156538614	4.15568847	0.231555015	YMR147W
YGL114W	140.072146	115.978131	126.377705	134.695047	148.035891	143.388331	0.156369772	7.07526615	0.091881789	YGL114W
YJL143W	104.889706	89.5017339	101.501634	123.933634	104.837037	100.778562	0.156261051	6.70546156	0.119252882	TIM17
YDR084C	57.0152819	50.8807285	57.3178576	57.0591395	60.32033842	66.3033842	0.156137177	5.86595119	0.09878993	TVP23
YIL003W	21.4382721	24.5194461	21.0629508	25.4844447	26.1278135	23.1125721	0.156069328	4.57003715	0.192108941	CFD1
YPL005W	16.1115849	20.6055439	17.8550876	19.4533232	22.2835717	19.1743964	0.156059631	4.27624336	0.253006771	AEP3
YAL045C	6.3131108	5.98596805	4.90258338	6.50415062	5.66862788	6.97250778	0.156044148	2.6270372	0.409148841	YAL045C
YNL161W	94.8939468	98.9411451	94.299073	97.621388	106.009857	117.499668	0.155907863	6.66754884	0.082095468	CBK1
YDR360W	3.81417111	2.93542664	2.36050311	3.37033259	2.99720554	3.74449492	0.155761802	1.73042096	0.556699815	OPI7
YDR128W	124.618177	116.66882	125.409293	131.5021	139.435214	137.513348	0.15561209	7.01458951	0.059078419	MTG5
YBL082C	112.057717	91.2284554	115.785704	118.789442	120.148848	116.337584	0.155518686	6.81374101	0.110870593	ALG3
YHR111W	44.3232988	48.6359904	46.5442793	52.2697195	50.3660845	52.8102904	0.155509094	5.62307746	0.080620067	UBA4
YDR110W	42.5477364	46.9668263	46.9679593	51.9149477	52.0601572	48.0973917	0.155455757	5.59159342	0.091002404	FOB1
YGL184C	5.58973352	6.50398452	4.29732618	6.20850741	5.8640978	6.1977847	0.155317212	2.56158344	0.429790599	STR3
YIL150C	221.550732	209.623997	220.737304	250.882828	247.660397	27.381226	0.155280979	7.84396979	0.082682141	INO80
YOR308C	39.4569425	34.2466442	37.1627926	42.3952363	43.0685405	37.896871	0.155243985	5.29094403	0.130105057	SNU66
YML092C	157.433201	155.577612	153.674805	185.545679	171.818066	162.110806	0.154826641	7.36181782	0.078639096	PRE8
YGL001C	117.121358	115.575229	118.085681	130.61517	131.160321	128.733153	0.154819437	6.95031104	0.051706148	ERG26
YBR255W	30.5791305	29.9298403	33.168095	33.8807119	33.881454	36.5411056	0.154785425	5.04934804	0.130673475	MTG4
YDL135C	31.7628387	42.0744485	32.3812606	40.3257339	39.3546119	38.6715941	0.154674894	5.23143191	0.187738232	RD11
YNL277W	43.7972062	35.570464	42.1259017	42.2178504	44.2413601	48.678434	0.154224276	5.42194551	0.149770079	MET2
YML093W	151.448898	136.238331	151.193251	173.483436	165.237245	149.821556	0.154148758	7.27275991	0.09114246	UTP14
YIL106W	47.0852847	57.0969261	53.6257886	58.7147415	58.9016046	58.1042315	0.153967861	5.80015523	0.101781424	MOB1
YKR090W	91.6058682	74.9972728	85.4623178	94.7832131	94.9332278	90.5780409	0.153940741	6.47301152	0.09364795	PXL1
YIL001W	14.5333072	18.3608059	13.4972357	18.5072649	15.9633774	17.1730284	0.15379635	4.04245513	0.308537738	YIL001W
YIL144W	43.3368752	43.2255962	41.399593	47.7168141	46.4566859	48.1619519	0.153715907	5.49725359	0.082599267	NDC80
YKR046C	144.543933	113.157819	137.030232	154.089241	138.848805	145.970742	0.153652494	7.11943674	0.127212885	PET10

YOL032W	8.28595793	9.61208332	8.11044659	10.7022842	9.7083397	8.52195396	0.15357045	3.21579971	0.355182049	OPI10
YCL022C	4.80059467	2.99298403	3.32891464	6.26763605	2.73657898	3.29257312	0.153570192	2.01212272	0.641976992	YCL022C
YMR213W	20.3203254	20.8357734	21.0629508	23.4149422	23.7170178	22.079608	0.15345908	4.46124306	0.177471655	CEF1
YDR188W	495.776483	439.738422	475.126908	545.343465	523.338151	500.083753	0.153388893	8.95617812	0.098197782	CCT6
YGR175C	785.850772	615.173332	742.590068	811.008454	789.112094	783.374162	0.153120114	9.55960725	0.144264778	ERG1
YDR540C	2.69622441	2.87786926	2.78418316	2.9564321	3.19267547	3.16345261	0.153042564	1.61694871	0.521295167	IRC4
YOL096C	18.2817167	19.6270683	17.4314076	22.5871412	20.0030892	18.9161554	0.152974627	4.29327537	0.234466034	COQ3
YDL164C	121.39586	114.25141	122.927739	143.800857	125.947789	128.797713	0.152938939	6.98084223	0.079962455	CDG9
YGR217W	114.556656	104.811998	113.364675	115.537366	134.157526	120.211199	0.152765149	6.87296037	0.085407408	CCH1
YGR018C	9.27238149	9.43941116	7.98939514	17.6203353	7.42785722	4.58377827	0.152499352	3.25735666	0.675711753	YGR018C
YER019W	136.06069	112.409573	137.272335	133.039445	139.826154	155.783901	0.152331169	7.08566027	0.130578325	ISC1
YKR025W	36.5634334	36.9518413	43.578519	43.932581	44.2413601	41.9641672	0.152163373	5.36906195	0.134788563	RPC37
YHR182C-A	59.9745526	51.5714171	61.4941323	64.3319625	65.0914856	62.7525701	0.152025744	5.93024758	0.101952215	YHR182C-A
YKL182W	2420.15733	2005.12663	2370.55038	2347.58447	2625.87784	2576.85811	0.151896212	11.2234714	0.142857018	FAS1
YNR063W	9.60118935	10.763231	9.50253816	12.4170148	10.0341229	10.7170027	0.151787428	3.41151154	0.349010086	YNR063W
YER143W	44.2575372	45.0674326	41.3390673	51.5601758	47.9552887	45.5795416	0.151654124	5.52626417	0.107417166	DDI1
YMR207C	108.177784	92.2644884	105.556857	115.359981	111.417858	112.98045	0.151566767	6.75135707	0.084685303	HFA1
YHR198C	52.0831641	49.2115643	53.6863143	55.3444089	56.9469053	59.8473585	0.151477397	5.77167692	0.086766349	AIM18
YLR370C	100.87825	76.7239944	89.3964896	91.2946233	104.771881	100.32664	0.151147972	6.554401	0.148903477	ARC18
YOL034W	50.2418401	47.0243837	53.8678915	55.994824	53.8193865	57.975111	0.151136208	5.73525918	0.098894765	SMC5
YDR200C	38.9966115	37.2396282	35.4680724	39.143161	43.2640105	41.6413659	0.151095919	5.30017675	0.119017376	VPS64
YDL156W	27.2910519	24.6345608	23.5445054	28.0269763	27.6264163	28.0837119	0.151068795	4.73589604	0.172662934	CMR1
YDR093W	345.905863	292.391517	348.264997	368.194054	370.089728	357.082783	0.151066292	8.43918937	0.118156708	DNF2
YAL013W	60.0403142	49.1540069	55.1389316	63.4450329	63.2670996	55.5863815	0.150878795	5.85501738	0.133720583	DEP1
YPR112C	131.194334	131.40351	143.385433	152.137996	150.446687	148.10123	0.150686525	7.15885862	0.071243824	MRD1
YKL053W	19.8599944	20.02997	18.641922	24.2427432	21.4365353	19.2389567	0.150656113	4.37193045	0.240997979	PRM8
YIR035C	38.6020421	36.8942839	36.3759582	44.760382	40.3971182	38.9298351	0.150651235	5.30198415	0.127829704	YIR035C
YJR036C	14.0072146	17.6701172	15.7972131	18.7437795	19.0257395	14.9779797	0.150641648	4.07393466	0.319311551	HUL4
YPL119C	20.0572791	14.8498054	17.9761391	18.7437795	19.7424626	20.1428003	0.150626832	4.22381599	0.289512987	DBP1
YKL023W	19.2681403	21.1811177	20.6392708	25.6618306	22.6745115	19.4326374	0.150206928	4.4338886	0.254988161	YKL023W
YMR165C	69.1811726	61.1835004	71.6624534	68.057067	74.5391987	81.6041652	0.150196227	6.15258253	0.123397861	PAH1
YBR183W	24.7921122	24.058987	26.5707914	29.7417069	28.0825128	25.8241029	0.15013484	4.73533697	0.182690026	YPC1
YJR107W	32.1574082	25.7857085	30.3839118	32.3433672	32.969261	32.6029299	0.150112124	4.96094491	0.180535771	YJR107W
YGR173W	64.1832932	67.9177145	65.6098813	79.0549944	71.4116799	68.8857945	0.150090409	6.1218996	0.088204357	RBG2
YML013W	94.1048079	82.4221755	89.7596439	94.3693126	99.5593494	101.488724	0.15008079	6.55031024	0.081692188	UBX2
YOL081W	256.009795	224.761589	262.80268	253.129716	288.643925	283.290409	0.150033942	8.03088503	0.127643683	IRA2
YOL010W	67.9974643	80.9832409	75.7782024	75.4481472	82.6186224	91.4818845	0.149840833	6.30693959	0.126191831	RCL1
YLR079W	63.6572006	63.370681	63.9756869	70.5995986	71.2813666	69.9833189	0.149533982	6.07174637	0.065963253	SIC1
YFR029W	33.4726396	36.31871	33.7128265	35.0632847	41.0486846	38.8007146	0.149381372	5.19054177	0.142585271	PTR3
YOL146W	16.5061543	24.7496756	17.7340362	25.2479301	21.4365353	18.7870349	0.149348293	4.38548	0.372172413	PSF3
YBR021W	54.5163422	47.4848427	56.8941775	57.9460692	55.0573627	63.1399316	0.149210664	5.80606876	0.131442484	FUR4
YLL023C	87.9889818	73.3856661	88.7307067	82.3661983	96.171204	98.7771936	0.149040195	6.45939467	0.144297261	POM33
YJL152W	31.1709846	23.6560853	27.1760486	30.2738647	32.1873813	28.3419529	0.148819665	4.85310794	0.228122782	YJL152W
YLR389C	226.285565	194.486404	215.168937	217.593403	235.345792	252.043244	0.148767153	7.80468336	0.125991358	STE23
YOL044W	12.9550295	19.6846257	17.4314076	14.7821605	18.8954263	21.9504875	0.148459	4.1491793	0.414438013	PEX15
YBR006W	35.3139636	31.3112175	32.7444149	37.7832022	34.2723938	37.9614313	0.148167774	5.129803	0.147959191	UGA2
YBR255C-A	8.02291165	8.57605039	6.83940645	9.04668223	7.94911036	8.97387576	0.148165514	3.06363262	0.381120337	YBR255C-A
YAL029C	259.95549	222.804638	258.747456	258.333037	284.08296	279.223113	0.148115548	8.02583132	0.125303598	MYO4
YMR063W	11.3767518	10.7056736	13.4972357	11.7665998	13.6177382	14.0741361	0.148107906	3.6573784	0.339268485	RIM9
YKL215C	122.711091	119.08623	122.383007	135.877619	137.024419	130.54084	0.147832825	7.00061728	0.067204355	OXF1
YBR231C	25.3182048	22.1020359	24.936597	27.7313331	26.9748499	25.3721811	0.14774023	4.67363028	0.196987614	SWC5
YKR092C	321.902889	277.196367	335.07039	352.820607	333.602008	348.302588	0.147631536	8.35869939	0.129060419	SRP40
YOL005C	35.7742946	38.9087924	31.7154777	49.0767729	37.0741294	31.6345261	0.147569281	5.22931794	0.311859847	RPB11
YJL112W	57.2125667	61.6439595	61.554658	66.4605936	67.8932212	65.5286611	0.147298949	5.98883693	0.079777082	MDV1
YMR294W	7.82562693	9.32429639	8.04992087	9.57884001	9.57802641	8.78019499	0.146925952	3.16769145	0.362173661	JNM1
YKR022C	16.3088696	17.3247729	15.3130074	20.1628669	18.8302696	15.1716605	0.146822709	4.11414325	0.313687229	NTR2
YLR110C	7440.19837	5973.24787	7350.00143	7212.03872	7386.02665	8387.34582	0.146676454	12.8320139	0.186675553	CCW12
YMR159C	1.44675456	1.72672155	1.63419446	1.8329879	1.75922934	1.74312695	0.146569011	0.86130993	0.653897699	ATG16
YOR358W	17.8871473	14.2742315	14.526173	17.8568499	18.1787032	15.59022	0.146550413	4.0434682	0.316198939	HAP5
YBR149W	164.206642	190.342273	165.537846	208.014563	183.350791	184.319534	0.146468254	7.51387362	0.131909073	ARA1
YGR038W	82.4650099	67.2845832	80.3176315	90.7624655	81.1851763	82.434485	0.14603012	6.33729072	0.133022175	ORM1
YKL027W	48.2032314	55.8306636	48.2389995	61.612045	53.4284467	53.455893	0.145971216	5.74419636	0.144525741	TCO2
YMR002W	145.990687	174.283762	137.090758	181.288416	166.410064	158.366311	0.145857365	7.32832998	0.158888205	MIX17
YIL002C	98.0505022	89.7895208	88.9122838	107.436743	100.471542	98.131591	0.145788279	6.60361936	0.088130321	INP51
YLR046C	27.2252903	27.2822006	27.1155229	29.8008356	30.232682	30.2787607	0.145767218	4.8467264	0.150585387	YLR046C
YOL058W	134.153605	105.675359	128.677682	88.9886062	133.245333	185.481619	0.145742983	7.01606439	0.440851159	SML1
YDL125C	11.1137055	11.3388049	12.7709271	10.8205415	13.8783648	14.3323771	0.145666558	3.64218369	0.364686764	ECM18
YOR034C	73.0611052	59.5718936	68.3940645	66.1649504	77.6015609	78.5698331	0.145570224	6.14267866	0.154988552	AKR2
YMR194C-B	0.39456943	0.92091816	0.48420577	0.41390049	1.04250628	0.58104232	0.14545234	-0.3883845	0.750444029	CMC4
YEL031W	1039.09858	849.028988	1035.1714	1047.58215	1105.12181	1080.54503	0.145423603	10.0030843	0.157453023	SPF1
YML071C	46.7564769	45.7581212	46.7863822	52.9792632	49.3887348	51.6482058	0.145342445	5.61494143	0.097768252	COG8
YBL019W	19.3339018	20.2026422	18.2787677	21.2863111	20.7849689	21.8859272	0.145287908	4.35172935	0.217665611	APN2
YDL102W	105.415798	101.24344	101.804262	118.375541	114.610534	108.073871	0.145278726	6.75987545	0.077243169	POL3

YOR298C-A	259.758205	276.275449	247.126518	352.22932	279.717465	234.095493	0.145267195	8.10337074	0.255929653	MBF1
YDR335W	252.327147	239.381165	249.426495	277.076816	274.048837	268.312429	0.144992275	8.02354278	0.095626574	MSN5
YLR260W	46.4934306	48.1755314	42.8522103	54.6348652	51.4737474	45.9023429	0.144952464	5.59645699	0.142780074	LCB5
YER082C	121.527383	118.165312	120.809339	132.448158	134.874249	131.251003	0.144903304	6.9844624	0.069765356	UTP7
YPR026W	67.0768023	56.4637948	66.0335614	70.1265694	69.8479205	69.4668368	0.144600921	6.05768323	0.115266965	ATH1
YAL020C	47.8744236	36.606497	44.5469305	54.8713798	44.0458902	43.5136134	0.144476646	5.50339966	0.24147389	ATS1
YDR368W	131.128572	136.238331	129.464517	149.77285	151.228567	137.513348	0.14406896	7.12255024	0.086953486	YPR1
YHR106W	36.8264797	39.0814645	36.7391125	41.5083067	39.6152385	43.3844929	0.144013297	5.30923263	0.129538922	TRR2
YDL115C	20.3203254	22.3322654	20.155065	24.8931583	22.9351381	21.5631259	0.143848878	4.47022714	0.23078827	IWR1
YPL080C	0.19728471	0.17267216	0.36315432	0.53215778	0.06515664	0.19368077	0.143696297	-1.3889548	1	YPL080C
YLR372W	625.787108	504.663153	559.560289	621.382899	629.022224	616.356776	0.143608535	9.21163538	0.149624247	ELO3
YJL072C	14.5990687	16.5765269	16.6445732	18.9802941	17.3968235	16.4628656	0.143583946	4.07989106	0.283101587	PSF2
YLL067C	28.0801908	15.4829366	13.8603901	30.8060227	19.9379325	12.5892502	0.143492058	4.33936686	0.625518153	YLL067C
YKL142W	44.8493913	57.2695982	48.4205766	60.7251153	54.7967361	50.8089225	0.143346341	5.72678142	0.190903454	MRP8
YMR042W	19.5311865	14.792248	18.9445506	16.9107916	21.5668486	20.336481	0.14328863	4.23062817	0.344345491	ARG80
YBR069C	576.992023	517.671122	605.862465	565.15156	639.5776	673.169802	0.143121252	9.22038773	0.162381435	TAT1
YBR126C	320.193089	294.636255	287.012968	373.16086	327.477284	295.040376	0.143012699	8.30551067	0.167618707	TPS1
YJL127C	32.8807854	28.6060204	32.9259921	34.6493842	35.3800567	34.1523761	0.142966259	5.05355169	0.171650986	SPT10
YLR356W	33.0780701	26.4188398	32.6838892	34.5311269	29.6462722	37.5095095	0.142926573	5.01885064	0.256604458	ATG33
YNL088W	208.135372	194.083503	196.345438	225.575769	222.18415	212.984289	0.142764558	7.71424777	0.103011784	TOP2
YLR074C	48.4005162	42.3046781	46.181125	50.7915035	51.9298439	48.2910724	0.142616843	5.58778184	0.126664967	BUD20
YMR202W	382.469296	307.816896	360.975399	382.798828	374.91132	402.597764	0.142535185	8.52628912	0.156225447	ERG2
YLR365W	0.26304628	0.4029017	0.12105144	0.41390049	0.32578321	0.12912051	0.142476938	-1.3128146	1	YLR365W
YGL093W	69.3784573	61.9893038	61.3125552	74.9159894	73.3663792	64.237456	0.142295435	6.07999633	0.13256006	SPC105
YDL054C	72.5350127	55.888221	62.7651725	64.6867344	70.2388604	75.9874228	0.142276267	6.0684124	0.182308948	MCH1
YFL039C	3221.13326	2355.01797	2801.13036	3173.72986	3041.77269	3029.74831	0.142255975	11.5202185	0.2133484	ACT1
YML034C-A	5.32668724	5.52550897	4.23680046	4.43464815	5.8640978	6.39146547	0.142056899	2.4351615	0.497488449	YML034C-A
YER152C	146.385257	122.712345	140.903878	160.829906	149.404181	141.903445	0.141682468	7.16795691	0.133562109	YER152C
YOL045W	96.0118935	97.6748826	103.377931	101.109978	114.740847	111.947486	0.141547913	6.70398819	0.098489656	PSK2
YAL014C	51.2940253	45.2976621	43.2758904	56.0539526	48.4113852	49.6468378	0.141420533	5.61811157	0.165742705	SYN8
YGL253W	1729.20051	1552.78314	1613.73677	1920.85306	1768.74221	1709.49105	0.14122902	10.7447654	0.140505611	HXK2
YKR036C	56.2261431	53.0103517	55.8652403	61.1981445	60.0092675	60.8157623	0.141211331	5.8572492	0.094870552	CAF4
YGL022W	705.490132	588.063804	724.069198	746.144334	742.916035	735.922373	0.141200135	9.46599035	0.161728485	STT3
YER149C	27.4883366	28.9513647	30.4444376	27.4356899	34.8588036	33.635894	0.141150672	4.93444556	0.228789947	PEA2
YNL164C	20.4518485	22.8502819	21.1234766	24.9522869	22.9351381	23.1771324	0.14109671	4.5054682	0.223332165	IBD2
YHL019C	27.2252903	32.7501521	29.2944489	33.2302968	31.2751883	34.0232556	0.141090611	4.97421066	0.193377253	APM2
YOL024C	61.1582609	64.406714	60.2230922	66.9336228	74.0831023	63.9146547	0.141023724	6.02766995	0.121604838	UBR2
YFL025C	103.048382	97.0993087	103.135828	107.200228	111.548172	115.562861	0.140542631	6.73303585	0.086462411	BST1
YNL142W	44.7836298	42.7651372	46.4232278	49.9045739	46.7824691	50.938043	0.140418505	5.55618096	0.123172869	MEP2
YKL145W	219.446362	223.149982	228.84775	267.024947	235.736732	237.258945	0.140414879	7.8788171	0.124481577	RPT1
YJR089W	51.5570716	49.1540069	46.3627021	56.1130813	52.5162537	53.3913328	0.140406283	5.69027778	0.120195155	BIR1
YPR103W	161.378895	191.72365	160.030006	205.05813	186.152527	174.377255	0.140333425	7.49128031	0.169086995	PRE2
YNR048W	27.9486676	30.044955	31.2917977	32.698139	32.7086344	33.0548517	0.140318635	4.97343358	0.165900154	YNR048W
YMR172W	48.0717083	44.088957	45.5758678	51.3236613	49.6493614	50.7443622	0.140279066	5.5956605	0.115158893	HOT1
YDR379C-A	7.62834222	7.48246007	6.05257208	8.75103902	7.75364043	6.77882701	0.140154712	2.91349853	0.445826418	SDH6
YCR088W	358.532084	321.400439	354.378095	402.784309	377.713055	359.148711	0.140071294	8.50161435	0.133971382	ABP1
YOR279C	9.79847406	10.014985	9.92621821	12.1805003	10.1644362	10.3942014	0.140061565	3.39829226	0.367830141	RFM1
YDR504C	3.48536326	4.20168912	2.72365744	2.89730346	3.90939854	4.71289878	0.139859901	1.91528793	0.596763157	SPG3
YDR369C	22.1616494	26.1310529	23.6655668	26.7261462	26.3232835	26.2760247	0.139269939	4.66363518	0.218148311	XRS2
YLR430W	291.389521	248.935691	285.923505	288.074744	315.618775	306.144474	0.139114717	8.17716426	0.146250374	SEN1
YKL073W	204.058154	179.17614	203.426948	225.694027	210.390798	209.820836	0.139080603	7.68329938	0.13355881	LHS1
YKL201C	109.756062	99.228932	107.312103	118.079898	116.500076	113.561493	0.138821599	6.79251053	0.094342441	MNN4
YNL063W	16.6376774	19.1090519	18.8234992	20.9906679	21.2410654	17.8831913	0.138742269	4.26651652	0.294864528	MTQ1
YMR044W	45.3754839	47.7150723	51.9310684	55.9356953	53.2981334	50.4215609	0.138637422	5.6698532	0.139546947	IOC4
YIL068C	60.5664068	59.5143362	57.015229	66.2832077	65.6127388	63.0108111	0.13856758	5.95698369	0.098584376	SEC6
YPR097W	117.581689	120.007148	115.84623	133.571602	131.095164	124.343055	0.138419578	6.95261811	0.089165169	YPR097W
YLL015W	233.322053	202.717111	242.466038	256.559178	245.184445	244.941616	0.138341607	7.89266565	0.147531525	BPT1
YML065W	66.5507097	63.4857958	65.5493556	74.3838316	69.7176072	71.0808432	0.13831348	6.09975087	0.097658067	ORC1
YOR247W	649.066704	543.571945	666.630289	563.614216	700.303591	782.405758	0.138279193	9.34655289	0.26817091	SRL1
YDR506C	30.1187995	26.0159381	25.7839571	29.3869351	29.7765855	30.9243632	0.138262994	4.84674841	0.210783321	GMC1
YMR181C	16.1115849	11.6265918	14.4656473	13.5995877	15.8330641	16.9793477	0.1382381	3.89369609	0.399637107	YMR181C
YMR197C	18.6762861	21.4113473	19.0050763	24.5383864	21.2410654	19.2389567	0.138107527	4.38023223	0.298019998	VTI1
YOR290C	240.29278	212.501866	247.368621	251.178471	260.952352	258.241029	0.137960259	7.93779858	0.137255832	SNF2
YNL335W	4.47178682	3.79878742	4.41837762	4.61203408	3.58361532	5.7458629	0.137846583	2.18800831	0.535882787	DDI3
YLR384C	388.979692	360.309231	380.162052	427.795725	412.376389	402.404084	0.137814628	8.62736866	0.121239595	IKI3
YOR110W	47.4798542	41.7866616	43.4574675	52.033205	44.1762035	49.6468378	0.137544161	5.5406615	0.16941416	TFC7
YNR032W	46.7564769	37.815202	42.2469531	48.6037437	45.0883964	45.6441019	0.137470393	5.4747285	0.181881422	PGP1
YMR224C	36.2346255	33.6710703	34.6207123	40.798763	38.1166357	35.9600633	0.137427658	5.19724237	0.16785368	MRE11
YPL045W	49.3211781	52.2045483	48.1784738	58.7147415	53.6890732	52.2292481	0.137382895	5.71479719	0.13347813	VPS16
YMR226C	132.114996	171.636122	136.788129	172.123477	166.931317	145.58338	0.137360379	7.26998714	0.211732852	YMR226C
YHR080C	123.171422	104.754441	119.417247	126.653551	126.143259	129.120515	0.13733544	6.92659765	0.118880907	YHR080C
YJL123C	119.159966	113.906065	124.501408	141.140068	125.035597	126.990026	0.137313695	6.96864517	0.114731255	MTC1
YHL017W	128.95844	114.596754	127.406642	124.465791	144.126493	139.385595	0.137203899	7.0215206	0.131374997	YHL017W

YLR273C	16.1773464	19.7997405	19.0050763	18.7437795	20.1334025	21.6922464	0.137075737	4.27686086	0.302122847	PIG1
YMR219W	101.272819	89.9046356	100.654274	101.760393	112.786148	106.330744	0.13702638	6.67557704	0.116213137	ESC1
YPL109C	17.8213857	18.0730189	19.0050763	21.8184689	18.1135465	20.4010413	0.136968738	4.27316295	0.2876049	YPL109C
YDR264C	293.296606	264.36107	316.791623	313.559189	309.624364	338.295748	0.136931463	8.25785393	0.157577908	AKR1
YHR034C	19.0708556	18.5910354	19.9734879	19.8672237	23.6518611	19.8845592	0.136872994	4.34243191	0.276090903	PIH1
YOR294W	46.0330996	54.7946307	51.4468627	59.3060279	54.5361096	53.6495738	0.136834384	5.73966779	0.154816303	RRS1
YML007W	120.738244	138.137724	124.440882	143.800857	140.021624	137.642468	0.136580898	7.06890947	0.113701091	YAP1
YHR074W	276.921975	228.963278	265.526337	286.478271	279.782622	281.611842	0.136567251	8.07674711	0.156726617	YNS1
YMR293C	24.1344965	26.6490693	26.9339458	27.9678477	28.7340792	28.7938747	0.136379041	4.77226835	0.204328133	HER2
YBL025W	5.98430295	8.05803392	7.38413794	9.22406815	7.94911036	6.39146547	0.136255489	2.93395866	0.498629709	RRN10
YHR021W-A	3.09079383	2.53252495	3.14733748	3.01556074	2.86689226	3.74449492	0.135965256	1.67043137	0.579524379	ECM12
YCR106W	36.5634334	36.2611526	35.2259695	35.8319571	43.1336972	39.8336787	0.135959241	5.24476003	0.183999905	RDS1
YLR041W	4.40602525	2.99298403	4.23680046	3.25207531	4.56096496	4.97113981	0.135950917	2.06093172	0.573649259	YLR041W
YFR016C	148.029296	118.395541	126.377705	173.897336	133.571117	123.891134	0.135752188	7.10313859	0.277226385	YFR016C
YDR322C-A	27.2910519	34.5344311	23.1208253	39.5570615	30.4281519	23.3062529	0.1355381	4.90042128	0.455804644	TIM11
YMR088C	148.423865	116.783934	148.953799	140.962683	154.030302	159.786637	0.135184892	7.1790956	0.196961728	VBA1
YLR080W	10.5218513	10.2452146	9.38148672	13.0083012	9.90380962	10.1359604	0.135162408	3.41479612	0.430842588	EMP46
YGL102C	158.682671	238.863148	169.472018	256.91395	212.150027	153.653412	0.13512433	7.63275459	0.43611598	YGL102C
YDR433W	24.3317812	20.1450848	22.333991	32.6390104	21.1107521	19.4971977	0.135103526	4.55355088	0.448774131	YDR433W
YLR030C	384.902474	311.90347	372.293709	362.990733	400.843663	410.151314	0.135088938	8.54667119	0.191539165	SSM4
YER041W	30.7106536	33.4408408	34.1970322	34.7085129	38.0514791	35.3144607	0.134812318	5.10960531	0.179812378	YEN1
YNR067C	394.832471	355.416853	411.695953	395.097586	438.178419	442.302323	0.13460286	8.6666051	0.163012251	DSE4
YIR029W	9.99575877	10.014985	8.59465235	11.5892138	9.05677327	10.7170027	0.134545676	3.33957113	0.421337981	DAL2
YLL052C	5.1951641	3.51100049	5.14468627	4.78942	5.40800131	4.97113981	0.1344685	2.30604308	0.548967298	AQY2
YGL257C	99.4972567	102.279473	92.1806728	112.34442	105.74923	104.458496	0.134091075	6.68477742	0.111228418	MNT2
YNL304W	19.2681403	16.8067565	16.8261504	23.2375563	17.85292	16.8502271	0.134043669	4.21746935	0.377468465	YPT11
YKL147C	5.85277981	4.2592465	6.05257208	4.0798763	5.14737474	8.52195396	0.134026573	2.52357097	0.626223713	YKL147C
YOR223W	25.1209201	22.562495	23.3629282	30.0964788	25.3459338	22.4024093	0.133946368	4.64057258	0.307414332	DSC3
YKL101W	346.234671	324.853882	347.780792	354.653595	392.894553	370.317636	0.133765877	8.47666774	0.138713928	HSL1
YEL023C	34.1960169	31.8867914	33.0470436	36.8962726	35.8361532	35.9600633	0.133671388	5.11911437	0.166804541	YEL023C
YPL074W	54.1217728	59.629451	61.3125552	63.1493897	66.1991485	62.8171303	0.133667094	5.93853141	0.127181989	YTA6
YJR130C	37.3525723	36.4913822	33.8338779	44.5238674	36.2924497	37.1867082	0.133438511	5.238196	0.223230928	STR2
YFL007W	303.358126	270.74994	292.883963	311.194043	325.718055	314.021091	0.133419395	8.2436278	0.138391955	BLM10
YLR044C	20500.4463	16026.6812	20573.1162	21128.2011	20839.8308	20650.5021	0.133095496	14.2843345	0.225535658	PDC1
YHR027C	623.090884	569.242539	608.162443	707.474202	660.492883	606.156255	0.13290335	9.29742983	0.166964062	RPN1
YMR301C	118.04202	105.387572	121.111967	123.992762	128.293429	125.44058	0.132895382	6.91274592	0.123193281	ATM1
YPR051W	9.00933521	9.49696855	9.44201244	12.9491726	10.0341229	7.61811036	0.132859128	3.30742577	0.511904128	MAK3
YMR015C	315.458255	256.533266	309.89169	329.878694	314.706582	322.155684	0.132742004	8.26777565	0.183701197	ERG5
YJL074C	76.4807069	72.8676496	69.4835275	87.0964897	78.1228141	74.5670971	0.132727609	6.25854184	0.140888075	SMC3
YER017C	196.298289	177.909877	187.085003	207.600662	207.393592	200.265918	0.132647528	7.61621706	0.132470163	AFG3
YOL001W	29.6584685	22.2171507	27.3576258	27.5539472	28.9947058	30.2142004	0.132362357	4.79515277	0.292822318	PHO80
YOR005C	32.6835007	28.3182335	29.1733974	30.3329934	33.2298876	35.2499005	0.132340802	4.98186158	0.230590251	DNL4
YDL151C	6.37887237	9.61208332	8.59465235	9.81535457	6.84144744	10.3296412	0.132304655	3.12786484	0.537381929	BDU30
YJL092W	145.727641	118.107754	145.322256	149.477207	146.276662	152.555888	0.13223812	7.16003625	0.170786775	SR52
YDL153C	93.8417616	96.235948	93.0280329	119.144214	96.9530837	94.0642948	0.132184205	6.62959878	0.180929314	SAS10
YPR125W	78.3877925	91.5162424	88.2465009	99.3952472	94.0210348	89.5450768	0.132014507	6.49701874	0.141162647	YHL47
YGR031W	40.0487967	39.7145957	40.7943358	41.5674353	42.612444	47.9682711	0.131967105	5.40025806	0.173936312	IMO32
YDR449C	62.0789229	63.0253367	65.1256756	65.0415062	70.8904268	72.5657292	0.131667643	6.05677164	0.125375017	UTP6
YDR205W	78.8481235	64.6369435	77.1097683	78.1089361	80.2729833	83.1536114	0.131432135	6.26911785	0.162626677	MSC2
YHR071C-A	6.18158766	6.61909929	5.87099492	5.97199284	6.51566423	8.0054719	0.131400406	2.73219732	0.48084968	YHR071C-A
YGL008C	11419.2337	8822.45355	10877.3194	12071.5853	11358.562	10654.2501	0.131321982	13.407711	0.240024721	PMA1
YLR324W	77.0725611	63.5433532	77.4123969	81.2427541	81.3154895	76.1165433	0.131314756	6.25221374	0.169219173	PEX30
YNL059C	126.459501	129.389002	124.864562	153.084054	137.545672	126.279863	0.131300502	7.05603641	0.149291784	ARP5
YMR220W	130.273672	143.145217	126.377705	160.475134	142.302107	135.060058	0.131219543	7.12663253	0.162245819	ERG8
YPR024W	243.449335	217.682031	239.379226	257.268721	260.822039	248.686111	0.130553259	7.93463053	0.147166893	YME1
YPL039W	22.4904572	28.3182335	24.0287112	23.7697141	28.0825128	30.2142004	0.13049566	4.71549056	0.315602915	YPL039W
YPL234C	141.716185	116.496148	131.038186	137.355835	147.058542	141.580644	0.130494883	7.08719211	0.157968811	VMA11
YJL155C	25.3182048	27.6851023	22.8787225	32.2251099	26.3232835	24.4683375	0.130494287	4.73462122	0.323466594	FBP26
YGR174C	15.1909229	15.8282809	15.4945845	19.15768	15.9633774	15.7527028	0.130414594	4.03255671	0.344172742	CBP4
YDL150W	68.194749	55.0248602	62.4020181	70.3039554	66.655245	66.0451432	0.130382975	6.01968969	0.176516815	RPC53
YIL131C	67.1425639	70.5653542	67.7888073	81.7749119	75.581705	67.5300291	0.130369785	6.16718481	0.155493196	FKH1
YKL094W	73.5214362	82.5372903	77.2913455	90.9398514	85.1597314	79.3445562	0.130362351	6.35051957	0.141516563	YJU3
YMR292W	64.1175316	55.4853193	57.438909	59.0695134	63.0064731	71.6618856	0.130244648	5.95177907	0.189707671	GOT1
YHR137W	254.365756	208.357734	266.010543	271.518724	256.261074	269.668195	0.130197272	7.9913673	0.210269688	ARO9
YDR386W	16.6376774	18.6485928	17.8550876	21.7002116	17.85292	18.5933541	0.130187073	4.22388335	0.329717494	MUS81
YNL125C	114.556656	87.5447828	116.148858	112.167034	118.389619	117.628789	0.130110059	6.79662859	0.221172238	ESBP6
YKL059C	41.7585975	35.5129066	35.2259695	42.2178504	43.3291671	37.4449492	0.129986146	5.2985832	0.229665839	MPE1
YOL110W	34.1960169	23.4834131	29.476026	36.3049862	30.9494051	27.9545914	0.129962629	4.93093457	0.372926649	SHR5
YNL223W	21.5040337	21.7566916	23.4839797	26.430503	22.7396681	23.8227349	0.12986161	4.54966208	0.273571609	ATG4
YDR388W	325.388253	303.557649	319.575806	364.173306	345.98177	327.578745	0.129818625	8.37139597	0.151337669	RVS167
YNL221C	120.409436	125.417542	126.922437	123.164961	133.766587	151.006442	0.129725761	7.02488582	0.159812745	POP1
YLR173W	42.2846901	35.7431362	41.6416959	43.4004232	41.700251	45.7086621	0.129404695	5.38735554	0.204218916	YLR173W
YKL017C	31.4997924	34.073972	33.3496722	35.5954425	37.0741294	35.5727018	0.12895922	5.11484531	0.183165654	HCS1

YPL176C	111.005532	97.73244	105.435806	114.473051	116.04398	112.91589	0.128910535	6.77756147	0.126307365	TRE1
YDR441C	23.6084039	18.4183632	23.9076597	24.1836146	23.5867045	24.2100965	0.12823714	4.52944202	0.323374442	APT2
YLR086W	109.164208	98.8835877	100.291119	121.92326	113.307401	101.617845	0.128236736	6.75023126	0.16434983	SMC4
YBL075C	61.6185919	55.9457784	61.7967609	63.267647	66.1991485	66.497065	0.127981498	5.96956673	0.139729506	SSA3
YPR007C	1.31523142	1.20870509	1.4526173	1.24170148	1.95469927	1.16208463	0.127888487	0.59299629	0.728809859	REC8
YHR193C-A	0.26304628	0.28778693	0.42368005	0.23651457	0.26062657	0.58104232	0.127858958	-1.1055954	1	YHR193C-A
YNR039C	86.3449425	72.925207	85.5833692	83.3713852	90.9586726	93.1604512	0.127824128	6.417708	0.170439015	ZRG17
YLR236C	2.76198598	2.30229541	2.48155455	2.89730346	2.86689226	2.45328978	0.127543528	1.45821971	0.594564238	YLR236C
YMR031C	174.399686	155.117153	162.027355	196.543606	180.092959	160.173998	0.127500361	7.42217825	0.195835857	EIS1
YDL239C	32.6835007	32.0019061	33.4101979	39.6161901	34.1420805	33.3130927	0.127453194	5.10117706	0.23293443	ADY3
YDR496C	158.025055	175.665139	180.911379	188.442982	187.390503	186.385463	0.127450058	7.48863908	0.154532266	PUF6
YLL026W	532.602962	496.950463	487.232052	657.096599	534.21931	465.092093	0.127160067	9.04712677	0.285348021	HSP104
YPL100W	23.4111192	29.0089221	25.7234313	26.9626608	29.1901757	29.3103568	0.126978591	4.77591216	0.27469677	ATG21
YFR027W	5.26092567	6.33131237	5.38678915	6.56327926	5.53831459	6.45602573	0.126856349	2.59803603	0.504091088	ECO1
YLR443W	60.1718373	54.391729	60.707298	65.573664	63.4625696	62.236088	0.126792565	5.93562248	0.147272483	ECM7
YIL146C	36.629195	34.3617589	36.194381	35.5954425	40.7880581	40.6729621	0.12665323	5.22806459	0.20787343	ATG32
YDR334W	140.598239	134.569166	133.94342	149.950236	154.812182	141.838885	0.126640555	7.15719169	0.129333421	SWR1
YJR072C	100.023349	90.4802094	97.8700905	114.295665	102.882338	97.4859885	0.126593315	6.65289955	0.160121787	NPA3
YGL169W	74.5736214	57.6149425	68.1519616	74.4429603	70.4994869	73.5986933	0.126581723	6.12758351	0.208592663	SUA5
YIL020C-A	6.70768023	8.97895208	8.23149803	9.34232544	9.51286977	7.29530907	0.126408927	3.08449004	0.49089259	YIL020C-A
YDR436W	63.591439	60.6079266	64.8835727	70.2448267	69.4569807	66.6261855	0.126304367	6.04484942	0.132761096	PPZ2
YHR164C	70.1675961	62.7951072	64.6414698	74.5612176	68.3493177	72.6302894	0.126257242	6.10796363	0.150472926	DNA2
YKL188C	14.2044993	13.007969	13.7393386	14.0134882	16.1588473	14.5260579	0.126227196	3.84659959	0.36633207	PXA2
YKL136W	5.39244881	8.63360777	7.62624082	8.51452445	7.5581705	7.61811036	0.126150268	2.94528886	0.530753838	YKL136W
YBR016W	22.1616494	27.2822006	20.820848	15.8464761	25.7368737	35.1853402	0.12605823	4.62077663	0.563012096	YBR016W
YMR201C	16.0458233	15.3678218	14.2235444	17.2655635	16.2240039	16.2691848	0.125894928	4.00182076	0.340023538	RAD14
YLR072W	67.6028949	56.8666965	61.8572867	62.2033314	68.6751009	72.3720484	0.125744138	6.0229799	0.194420901	YLR072W
YOL087C	138.033537	137.331921	138.724952	153.497955	155.463748	142.807289	0.125699486	7.17423562	0.128858123	DUF1
YBR108W	70.4306424	64.8671731	69.1203731	70.9543704	78.318284	73.6632535	0.125172967	6.15652061	0.143617236	AIM3
YPR028W	373.459961	316.335389	360.551719	378.718952	379.146501	387.555224	0.125137367	8.51596466	0.184672979	YOD1
YKL141W	143.294463	106.135818	130.372403	136.941935	142.82336	134.285335	0.125080279	7.04881165	0.235786258	SDH3
YHR150W	31.8943619	33.6135129	32.9259921	36.009343	38.1819724	33.1839722	0.124966938	5.10538993	0.220668828	PEX28
YLL058W	49.0581319	45.6430064	47.8153194	53.8661929	50.626711	50.8089225	0.124828002	5.63679141	0.161790733	YLL058W
YIR038C	62.8023002	57.7876147	60.1020407	70.1856981	64.3747626	62.3006483	0.12463272	5.97835117	0.160523628	GTT1
YLR431C	19.2023787	17.6125599	19.9734879	18.6846509	19.2863661	23.9518554	0.124519752	4.31427465	0.365687122	ATG23
YDR534C	17.4925779	12.7777395	16.3419446	14.7821605	18.9605829	17.0439079	0.124493871	4.02914507	0.442692593	FIT1
YER002W	27.1595288	30.9083158	28.3260373	35.7136998	29.8417422	28.600194	0.124442627	4.91808497	0.292502978	NOP16
YJR040W	146.648303	131.058166	145.564359	156.75003	153.183266	151.264683	0.124136283	7.20481842	0.145917437	GEF1
YNL008C	88.9096438	77.5873552	81.5886716	90.8215941	89.4600698	89.9324384	0.123950396	6.43451719	0.145468384	ASI3
YDR187C	59.7115063	53.2981386	56.7126004	58.0051978	59.6183277	67.2717881	0.123761074	5.88773796	0.187330416	YDR187C
YLR299W	60.2375989	57.2120408	61.0704523	65.9875645	61.7684969	66.6907458	0.123735045	5.96070304	0.146632429	ECM38
YOL144W	38.470519	40.1750548	41.8837988	46.5933699	42.9382273	41.7704864	0.123700203	5.39583183	0.197028749	NOP8
YJL174W	211.686497	187.98242	225.821464	192.581987	236.388298	252.559726	0.123682206	7.76772652	0.274358533	KRE9
YEL016C	55.7000505	55.5428767	57.2573319	58.7147415	62.3549066	65.5588893	0.123646226	5.87783435	0.143534856	NPP2
YGL081W	4.01145582	4.77726297	5.44731487	5.97199284	5.47315795	4.06729621	0.123555852	2.34861436	0.591890452	YGL081W
YOR309C	53.7272034	58.2480738	48.5416281	81.1836255	54.7315795	38.8652749	0.123418749	5.80861768	0.515823343	YOR309C
YKR024C	96.4722245	96.1208332	102.288468	100.459563	103.142965	117.628789	0.123191141	6.68368667	0.165350206	DBP7
YOL137W	61.9473998	52.7801222	59.9204636	61.9668168	62.2245934	65.9160227	0.123047257	5.92835508	0.181198523	BSC6
YPL138C	19.2023787	22.6200524	21.4866309	25.1296729	20.7198122	23.1125721	0.123044188	4.47151522	0.33056033	SPC1
YHR140W	9.9299972	12.7777395	11.3183098	11.32982138	12.3146054	13.2348527	0.122949616	3.58373725	0.436766673	YHR140W
YDR150W	224.115434	209.739111	224.792527	230.187803	250.13635	236.871584	0.122868784	7.84182864	0.167168888	NUM1
YKL171W	59.3826985	56.2911227	52.4757999	63.7406761	56.9469053	62.3006483	0.122792405	5.87389005	0.179674579	NNK1
YKL219W	61.4213072	51.6289745	62.0388638	63.8589334	64.6353891	62.0424072	0.122781031	5.93184514	0.195667885	COS9
YDR393W	19.2681403	22.1595933	18.3392934	22.2323694	23.0002947	19.8845592	0.122776704	4.38844244	0.335485117	SHE9
YLL060C	8.08867322	10.4754441	8.29202375	10.5840269	10.4250628	8.26371293	0.122762131	3.24677478	0.493980829	GTT2
YMR124W	58.5935596	62.2770907	64.8835727	64.9823776	68.0886912	69.273156	0.122694231	6.018017	0.1530235	EPO1
YML042W	14.4675456	13.9864446	15.5551102	16.1421193	13.8132082	17.9477515	0.122685068	3.94866176	0.403765886	CAT2
YIR004W	50.1760786	52.9527943	53.2626343	62.8537465	57.6636284	49.7113981	0.122666695	5.77008949	0.224896525	DJP1
YCR073W-A	84.1748107	78.9111175	82.4965574	97.5622593	85.0945748	84.573937	0.122664298	6.41945301	0.165960223	SOL2
YER093C	64.512101	66.4787798	67.3046015	65.5145353	77.5364043	72.9530907	0.122597573	6.11190258	0.127984455	TSC11
YBL064C	50.8336943	66.0183208	49.6916168	68.4709674	58.2500382	54.6179776	0.122515731	5.86127655	0.314435305	PRX1
YMR214W	112.386525	99.6893911	112.698892	126.239651	116.109137	111.043642	0.122440296	6.82206118	0.173263447	SCJ1
YGR080W	64.05177	72.2920757	66.9414472	74.9751181	73.5618491	72.8239702	0.122337348	6.14781137	0.150496994	TWF1
YLR129W	216.552853	216.012866	222.129395	238.051913	231.957646	242.617447	0.122325483	7.83293605	0.15506074	DIP2
YNL308C	123.171422	126.396018	119.840927	156.040486	128.619212	117.305987	0.122326914	7.00789634	0.23965915	KR11
YLO027C	176.767102	159.951973	168.019401	200.564354	181.852189	166.759145	0.122115644	7.45758613	0.201941152	MDM38
YDL097C	175.517633	182.572026	187.145529	207.127633	196.251806	189.936277	0.121939755	7.56899974	0.165831498	RPN6
YEL049W	1.64403927	1.78427894	1.99734879	1.71473062	1.88954263	1.62416926	0.121848936	1.01006508	0.723926371	PAU2
YDL098C	7.10224965	7.65513222	6.59730357	5.85373556	8.60067678	8.84475525	0.121765259	2.91674643	0.536362835	SNU23
YNL107W	13.5468836	12.259723	14.0419672	15.6690901	13.8132082	13.8158951	0.121745853	3.80543349	0.397114912	YAF9
YDR309C	184.395445	179.694156	178.066671	179.8102	205.569206	204.526895	0.121624979	7.56059182	0.182373742	GIC2
YGR237C	53.1353493	46.6790393	49.3889882	57.3547828	55.2528326	49.5822776	0.1215973	5.7008697	0.20968866	YGR237C
YLR148W	43.4683983	48.117974	43.3364161	50.3184744	45.0232398	51.454525	0.121347789	5.5571549	0.208070293	PEP3

YNL242W	70.1675961	68.6659605	73.2361222	73.6742879	78.7092239	78.3115921	0.12119202	6.20766493	0.143738323	ATG2
YNL324W	1.97284713	1.20870509	1.87629734	1.71473062	1.95469927	1.8076872	0.12114034	0.90379257	0.716611267	YNL324W
YGL013C	88.3177897	97.6173252	89.3964896	97.444002	103.664218	98.4543923	0.121132735	6.58405397	0.148876842	PDR1
YDR217C	71.8116354	68.2055014	70.2098361	74.2064457	76.4287414	77.9887908	0.121121429	6.19485564	0.138305906	RAD9
YBL089W	52.6750183	45.5278916	50.9626569	49.3724161	54.6012662	58.2333521	0.121061235	5.70034164	0.223633813	AVT5
YIL091C	72.7322974	73.6158956	77.1097683	78.3454507	81.8367427	82.8953703	0.121050818	6.28306363	0.137470736	UTP25
YGR284C	215.17186	174.226205	216.016298	184.303977	219.317258	254.754775	0.120973809	7.71917088	0.328437238	ERV29
YGL131C	69.115411	62.6799924	66.5177672	69.9491835	74.7998253	70.8226022	0.1206969	6.1104105	0.159334525	SN2
YLR164W	9.07509678	5.46795159	7.2630865	7.7458521	7.62332714	8.26371293	0.120501102	2.93996158	0.56424293	SHH4
YDR062W	408.773925	357.949378	395.111905	454.167099	405.469785	403.243367	0.120483778	8.65906188	0.210468619	LCB2
YCR051W	84.3063339	73.3856661	82.1939288	93.4232544	86.1370811	81.0231229	0.120302102	6.38422245	0.189960814	YCR051W
YNL128W	5.26092567	4.20168912	4.53942906	6.3267647	5.14737474	3.67993466	0.120174524	2.31775852	0.60404298	TEP1
YLR422W	133.035658	129.676789	128.314528	134.10376	150.120904	140.805921	0.120162051	7.08873701	0.15330786	YLR422W
YML098W	14.0072146	14.5620184	12.5288242	16.674277	13.9435214	14.0095758	0.120138488	3.84994321	0.417629567	TAF13
YBR123C	55.3054811	51.2836302	53.7468401	61.2572731	56.1650256	56.6839059	0.11982412	5.80377539	0.175765425	TFC1
YHR146W	173.74207	175.550025	174.071973	210.557094	188.628479	169.406115	0.119785402	7.50879167	0.216478773	CRP1
YDR229W	38.8650884	40.4052844	42.2469531	45.7655689	43.720107	42.5452095	0.119703025	5.40550801	0.195646372	IVY1
YFL002C	86.8052735	86.2785203	93.20961	98.9222181	96.6273005	93.7414935	0.119604534	6.53481877	0.147115722	SPB4
YNR015W	75.5600449	80.1774375	81.1649916	85.3226304	81.6412728	90.4489204	0.119454387	6.3665097	0.154957536	SMM1
YML061W	238.582979	198.400307	223.460961	255.021833	230.980297	231.190281	0.119263317	7.84372983	0.223764489	NOP2
YHR072W	207.017425	193.220142	224.18727	213.040497	231.631863	233.579011	0.119244881	7.76302479	0.203643536	ERG7
YFR004W	112.715332	111.200868	122.20143	129.964755	123.471837	122.406248	0.119012057	6.91230411	0.155745675	RPN11
YER023C-A	7.10224965	6.56154191	5.50784059	8.63278173	7.49301386	6.484833852	0.119006463	2.76299078	0.627494885	YER023C-A
YPR165W	275.014889	305.226813	273.757835	349.864175	307.474195	270.055556	0.11899976	8.21452132	0.265274863	RHO1
YBR113W	17.7556241	17.5550025	18.7629734	16.3195052	18.2438598	24.2100965	0.118945265	4.24147054	0.44820786	YBR113W
YJL095W	98.3135484	108.322999	103.25688	107.614128	120.800415	108.202991	0.118776618	6.75319848	0.170644543	BCK1
YPL151C	37.6813801	36.2611526	35.2259695	42.8682655	38.7030455	36.8639069	0.118691106	5.25019177	0.24025787	PRP46
YLR081W	6.83920337	8.40337823	7.44466366	8.45539581	7.29754393	8.9093155	0.118427793	3.00433678	0.489221738	GAL2
YLR188W	106.073414	103.545736	111.791006	114.827823	111.287545	122.729049	0.118168101	6.80512654	0.159138148	MDL1
YNL112W	439.484578	451.01967	473.855868	409.111074	502.813808	568.904987	0.118067008	8.88965767	0.306110911	DBP2
YIL147C	171.966508	140.555135	166.808887	162.781151	178.268573	179.025593	0.117883037	7.38081107	0.230095361	SLN1
YKL098W	41.1667434	42.1895633	38.0101527	43.0456514	46.4566859	42.224083	0.117829225	5.40259039	0.220347944	MTC2
YKL143W	48.729324	51.3987449	48.4205766	57.1773968	51.6040607	52.3583686	0.117614386	5.69336063	0.193610685	LTV1
YBL038W	21.9643647	25.7857085	23.1813511	27.908719	27.496103	21.5631259	0.117413511	4.63154621	0.371757806	MRPL16
YLR205C	6.3131108	7.94291915	5.99204636	7.09543704	7.68848379	7.23074881	0.117219445	2.84234127	0.518167779	HMX1
YBR081C	111.137055	101.934129	102.227942	117.784255	118.976029	105.104099	0.117140247	6.77666952	0.180917329	SPT7
YNL286W	13.481122	16.3462974	13.8603901	18.3890077	13.6828949	15.300781	0.117067619	3.93752228	0.464219222	CUS2
YOR299W	85.2927574	87.429668	84.554432	88.9886062	94.4771313	95.613741	0.11697244	6.48396589	0.149746941	BUD7
Q0060	0.32880785	0.23022954	0.54473149	0.29564321	0.39093985	0.51648206	0.116968439	-0.9825478	1	Ai3
YPL113C	18.6762861	19.281724	23.5445054	21.2863111	21.0455955	24.4037772	0.116891197	4.42590523	0.378002172	YPL113C
YLL043W	224.181195	189.478912	214.261052	226.167056	216.515522	238.033669	0.116697806	7.76959577	0.222249877	FPS1
YNL313C	162.957173	164.959466	175.887745	172.892149	183.415948	190.000837	0.116663013	7.45232166	0.184748851	EMW1
YNR069C	12.2974138	11.5690344	9.74464105	12.5944007	12.7707019	11.039804	0.116499093	3.5592626	0.470947485	BSC5
YHR197W	142.834132	136.871462	153.735331	146.047746	151.74982	172.117646	0.116437854	7.23524842	0.209706961	RIX1
YDR463W	91.0140141	89.7895208	94.299073	100.341305	102.165615	95.6783013	0.11629186	6.57996743	0.152901095	STP1
YLR440C	51.951641	53.4708108	55.0784059	64.745863	53.9496998	55.19902	0.116271684	5.80396039	0.228101285	SEC39
YJL048C	33.0780701	34.1890868	31.654952	33.2894255	37.2044427	36.7993466	0.116238707	5.10785666	0.251537608	UBX6
YOL145C	203.926631	207.667046	194.469141	230.306061	214.43051	212.080445	0.116120716	7.71840696	0.189618504	CTR9
YGR147C	52.872303	55.0248602	60.2836179	61.6711736	60.2047375	60.2484008	0.116078912	5.87135757	0.188281133	NAR1
YIL040W	33.867209	29.9873977	36.5575354	33.6441973	69.9179766	35.7663825	0.11605171	5.12845764	0.297930037	APQ12
YGR097W	97.918979	94.3941116	100.714799	94.7832131	113.698341	109.171395	0.116022104	6.67080381	0.199234144	ASK10
YOR288C	36.8922413	46.1034655	39.6443471	44.9377679	45.2187097	42.8680108	0.115973487	5.41776437	0.26117296	MPD1
YLR199C	36.8922413	46.9668263	42.3680046	44.7012534	45.9354328	46.2897045	0.115751501	5.45923458	0.263563976	PBA1
YGL185C	14.4675456	16.6916417	15.9182646	16.3786338	17.7877633	16.9147874	0.115683513	4.04312143	0.378199446	YGL185C
YNL240C	69.9045498	56.5213522	67.0624986	68.1161956	66.7855583	74.6316574	0.11566874	6.07196908	0.244003676	NAR1
YPR176C	74.7051445	56.0608931	68.3335388	70.0674408	69.9130771	75.6000613	0.115630792	6.11292358	0.277234824	BET2
YNL045W	210.502788	171.866352	204.758513	208.54672	212.801594	214.662855	0.115615426	7.67213915	0.236362056	LAP2
YLR146C	48.9923703	51.7440892	52.3547485	60.6068581	52.3207837	52.8748507	0.115463126	5.73563584	0.219889585	SPE4
YPR178W	20.9779411	22.562495	21.668208	26.3713743	21.1759087	23.0480118	0.115239534	4.50911351	0.353468234	PRP4
YDL065C	31.6313156	32.0019061	34.3786094	37.1327872	32.969261	36.0246236	0.115102899	5.09384609	0.263536347	PBX19
YLR377C	11.9028443	8.34582085	11.9840927	10.0518691	11.663039	13.1702925	0.114987978	3.49613961	0.542008366	FEP1
YCR025C	1.77556241	1.95695109	1.69472018	2.48340296	1.82438598	1.54944617	0.114909766	1.00833663	0.730700738	YCR025C
YLR117C	46.7564769	45.5278916	48.5416281	54.3983506	49.1932649	48.8075545	0.114690133	5.61463758	0.211695489	CLF1
YOR384W	72.7322974	61.6439595	74.0834823	72.3143292	76.7545246	76.5684651	0.1146423	6.17900531	0.218354956	FRE5
YLR107W	35.4454867	47.6575149	39.0390899	45.8838262	45.2838664	41.1894441	0.114628628	5.41145446	0.319043552	REX3
YDR153C	53.0695877	49.2115643	46.181125	58.2417124	51.0176509	51.3254045	0.114459672	5.69016071	0.242475856	ENT5
YGR152C	35.0509173	38.2181037	42.1864274	42.8682655	39.2894553	42.8680108	0.11443625	5.32953728	0.266589775	RSR1
YLR424W	20.1888023	21.7566916	21.7287338	24.1836146	22.4790416	22.2732888	0.114399975	4.47457864	0.323254855	SPP382
YBL017C	512.216875	403.822614	485.961012	497.271879	512.456991	507.830984	0.114374851	8.92686763	0.266151048	PEP1
YOR227W	206.425571	178.08255	201.55065	209.84755	211.237834	213.177969	0.114245289	7.6688501	0.212800998	HER1
YNL024C-A	5.52397195	4.2592465	5.62889203	5.55809235	7.03691736	4.06729621	0.114231003	2.44867016	0.626380726	KSH1
YKL211C	149.673335	138.655741	140.722301	148.47202	154.942495	160.948721	0.114180761	7.21927755	0.175859458	TRP3
YLR429W	230.494306	223.552884	235.445054	250.173284	244.532878	251.526762	0.114140441	7.90331736	0.186708109	CRN1

YDR382W	1106.63571	951.596249	1006.36116	1461.48264	1078.79853	776.337094	0.114068136	10.0548489	0.501762695	RPP2B
YDR464W	131.85195	132.497101	135.698666	146.047746	140.673191	146.228983	0.114048761	7.11847681	0.158190528	SPP41
YER005W	120.606721	103.833523	119.356721	113.053964	124.18856	134.801817	0.113978055	6.89973627	0.234054856	YND1
YKL033W	54.3190575	54.4492863	56.1678689	56.8817536	60.5956773	61.0740034	0.113966817	5.84207094	0.181417778	TT11
YKR103W	35.708533	33.3832834	40.6732844	39.3205469	39.8758651	39.5754377	0.113923719	5.25575876	0.271712476	NFT1
YMR296C	363.529964	288.938073	361.762233	332.716869	376.800862	387.942586	0.113839126	8.45959899	0.300040341	LCB1
YDR193W	7.56258065	6.27375498	7.08150933	6.79979383	8.014267	7.81179113	0.113748288	2.88087114	0.528707713	YDR193W
YDR124W	10.5876129	9.6696407	11.6814641	12.5944007	10.555376	11.3626053	0.113746331	3.4855353	0.477745358	YDR124W
YBR294W	41.5613128	34.4193163	41.5811702	41.449178	42.2215042	43.4490531	0.113660096	5.35356853	0.274702225	SUL1
YDL138W	48.5978009	42.7075798	54.0494687	48.4263578	54.8618928	53.9723751	0.113508879	5.65939078	0.28188645	RGT2
YLR040C	16.9007237	17.3247729	18.7024477	15.196061	19.2212095	22.9188913	0.113489311	4.20816065	0.465827683	AFB1
YDL241W	2.30165498	3.91390219	1.99734879	3.01556074	3.64877197	2.259609	0.113313675	1.58023465	0.720540313	YDL241W
YBR223C	23.9372118	22.1020359	23.665568	21.2863111	26.3232835	27.8254709	0.113035794	4.60239777	0.375646182	TDP1
YAL034C	38.7993268	38.3907759	39.3417185	39.4979329	42.9382273	43.6427339	0.113016965	5.34158692	0.230471948	LUN19
YBR208C	125.801885	101.876572	116.69359	122.691932	125.947789	123.632893	0.112910618	6.90139079	0.222752332	DUR1,2
YDR198C	26.8964825	31.1385454	27.4786772	31.5746948	28.7992359	32.1510081	0.112854173	4.89751952	0.303685421	RKM2
YDR398W	208.924511	181.881337	224.489898	209.01975	225.246512	230.93204	0.112545229	7.73822911	0.259023069	UTP5
YHR014W	4.01145582	3.45344311	4.11574901	4.19813358	4.43065167	3.87361544	0.11251727	2.04710466	0.603919722	SPO13
YLR034C	144.806979	123.748378	165.840475	152.433639	153.313579	163.789373	0.112353647	7.236151	0.283555659	SMF3
YLR229C	183.803591	132.439543	157.548451	200.26871	161.002063	150.68364	0.112330827	7.36111462	0.384278623	CDC42
YNR060W	21.1752258	15.7131661	19.9129621	18.8620368	21.6971619	20.7884028	0.112266816	4.30662126	0.434242077	FRE4
YBR176W	16.4403927	18.0730189	16.4629961	18.8620368	18.6999563	17.56039	0.11217838	4.15471706	0.372446136	ECM31
YGL066W	45.1781992	45.7581212	43.7600961	49.0176442	47.0430957	49.5177173	0.112148935	5.54950445	0.205150206	SGF73
YKL114C	47.8744236	51.110958	50.3573997	56.7043677	56.1650256	48.5493135	0.11212219	5.69832668	0.238636551	APN1
YJL084C	104.166328	89.3290617	100.959072	100.696077	106.33564	111.108203	0.111901912	6.67528069	0.210541492	ALY2
YOR322C	146.319495	123.633263	149.07485	139.543595	154.877339	158.366311	0.111881812	7.18390555	0.247868907	LDB19
YBR233W	33.5384011	36.3762674	34.0154551	35.2997993	37.2695994	39.8336787	0.1118578	5.17694839	0.260367255	PBP2
YKL164C	949.005229	853.115563	1020.16102	841.991862	1078.92884	1128.31962	0.111558451	9.93469201	0.351451293	PIR1
YOR119C	52.411972	54.2766142	56.8941775	62.8537465	59.0970745	54.7470982	0.111478877	5.82893827	0.219902496	RIO1
YPL259C	57.4756129	66.8241241	61.3125552	63.6815474	68.3493177	68.6275535	0.111290416	6.01132462	0.21591024	APM1
YGL216W	75.9546144	65.6729764	73.7808536	72.5508437	79.1001637	80.9585626	0.111072313	6.22443545	0.220373621	KIP3
YGR271W	134.942743	142.396971	133.338163	147.939862	158.330641	137.319667	0.1110673	7.15482759	0.204602779	SLH1
YBR059C	184.592729	147.001562	173.103561	167.6297	185.175177	192.195886	0.111014663	7.45156975	0.281253319	AKL1
YKR066C	247.460791	170.945434	204.516411	234.445066	215.929112	222.151845	0.110933148	7.75491301	0.355117314	CCP1
YDR389W	97.1298402	98.8260303	104.10424	107.495871	110.635979	105.943382	0.110913002	6.70243573	0.169917355	SAC7
YLR231C	132.641088	121.446083	135.517089	142.145255	138.197238	140.289439	0.110820548	7.07847409	0.188781771	BNAS
YDR349C	164.93002	127.834952	158.093183	151.07368	159.50346	176.184942	0.110778445	7.28876447	0.299654003	YPS7
YNL101W	142.044993	115.747902	131.703968	130.20127	139.044275	151.264683	0.110769122	7.07785907	0.25898078	AVT4
YKL127W	228.521459	217.394244	223.097807	243.196105	235.932202	243.198489	0.110719491	7.85802686	0.20013126	PGM1
YGL209W	92.1319608	107.63231	108.280515	94.3693126	119.562439	118.855434	0.110607092	6.74039818	0.298637337	MIG2
YDR536W	8.02291165	9.20918162	9.50253816	10.5840269	8.53552014	9.74859885	0.110584914	3.23307768	0.503100447	STL1
YDL077C	63.2626312	64.1764844	57.6810119	68.1161956	65.026329	66.6907458	0.110524477	6.00633487	0.199934868	VAM6
YPL163C	217.802323	206.400783	257.597468	202.870371	252.156206	281.09536	0.110431565	7.88520177	0.372519989	SVS1
YMR196W	88.8438822	77.1844535	85.401792	93.3049971	91.1541425	86.833546	0.110430617	6.44681521	0.205226353	YMR196W
YBR065C	22.9507882	22.7351671	22.9997739	25.7209593	25.9323436	22.4669695	0.11030362	4.58041888	0.341350713	ECM2
YDL060W	143.294463	136.641232	153.009022	142.204384	157.157821	167.985789	0.110131592	7.23032304	0.231566488	TSR1
YKL111C	10.5218513	11.1085753	8.65517807	10.4657696	10.3599061	11.8790873	0.110116168	3.40852983	0.503706413	YKL111C
YML012W	213.856628	216.358211	205.666399	257.623493	214.104726	214.404614	0.109942408	7.78444688	0.263059382	ERV25
YMR317W	67.6686564	50.6504989	67.4861787	72.4325865	65.4824255	62.4297688	0.109885191	6.01053949	0.341712856	YMR317W
YKR023W	23.2138345	27.5124301	25.0574684	28.3817482	27.0400065	26.4051452	0.109672314	4.7226733	0.332814691	YKR023W
YEL012W	7.82562693	9.72719809	7.98939514	9.9927405	9.51286977	8.07003216	0.109304917	3.16818038	0.527374041	UBC8
YDL047W	103.311428	101.416113	96.4174732	119.912886	108.811593	96.0011026	0.109253301	6.70655131	0.247828008	SIT4
YLR047C	60.7636915	49.3842365	66.0335614	59.3651566	64.7657024	65.8514624	0.109104962	5.9337841	0.316085629	FRE8
YOR014W	228.718743	208.185062	224.550424	228.118301	241.665986	243.585851	0.10906142	7.84074894	0.222468453	RTS1
YER013W	78.2562693	69.0688622	71.2387734	81.4792687	76.3635847	77.7305497	0.109034934	6.24420662	0.208093233	PRP22
YDR173C	17.4268163	18.5910354	16.039316	21.5228257	18.0483899	16.5274259	0.108985123	4.18290191	0.444095584	ARG82
YNL105W	2.43317812	2.41741018	2.66313171	2.66078889	2.34563912	3.09889235	0.108813029	1.44688215	0.6640043	RRT16
YCL040W	505.640718	399.160466	470.648005	520.509436	484.635105	477.810464	0.10873209	8.89635837	0.296084977	GLK1
YER094C	104.429375	111.085753	101.077954	130.792556	106.987207	103.490092	0.108644082	6.77854171	0.277958028	PUP3
YOR207C	207.938087	217.969818	206.513759	223.269752	226.745115	231.900444	0.108591555	7.77595615	0.209307882	RET1
YDR090C	44.1917756	36.7791691	42.1864274	46.1794694	43.7852636	42.6743301	0.108513954	5.41770675	0.283648643	YDR090C
YFR032C	28.9350912	27.7426596	30.989169	31.6929521	34.3375505	28.4710735	0.108433218	4.92979866	0.332617832	RRT5
YFL024C	78.453554	80.8681261	80.9834144	83.7852857	83.595972	91.7401256	0.108423441	6.38124235	0.191367021	EPL1
YHR058C	19.5969481	22.562495	21.5471566	21.1089252	24.5640541	23.1125721	0.108415211	4.47275435	0.370647043	MED6
YIL115C	286.128595	235.121918	270.428921	278.082003	293.074577	282.192884	0.108388046	8.09947075	0.26443968	NUP159
YKL116C	69.0496494	69.1839769	66.5782929	73.9699312	76.8848379	69.9187586	0.108284192	6.15078084	0.19705133	PRR1
YPL023C	133.890558	124.726854	134.3671	141.849612	141.2596	140.41856	0.10819175	7.08959429	0.187838563	MET12
YNL127W	103.640236	96.6388497	105.980537	103.17948	115.45757	111.495564	0.108188092	6.73028032	0.206083632	APC1
YDR377W	20.2545638	23.310741	19.3682307	22.468884	24.6943674	20.7238426	0.108081837	4.45487364	0.395758744	ATP17
YMR094W	22.2931725	20.0875274	19.5498078	21.8184689	22.4138849	22.4669695	0.10791466	4.42963327	0.361422345	CTF13
YOR363C	61.8158766	65.8456486	62.0388638	65.1597635	68.4144744	70.9517227	0.107864131	6.04054938	0.203856819	PIP2
YDR457W	326.177391	306.83842	327.080995	316.338235	361.423895	356.695421	0.107566933	8.37734525	0.248060042	TOM1
YCR042C	132.312281	126.511133	133.882894	146.757289	143.01883	133.252371	0.107555424	7.08828319	0.200864379	TAF2

YGR232W	63.131108	60.5503692	69.4835275	69.3578971	68.9357275	69.7896381	0.107425532	6.06595443	0.218923996	NAS6
YPR137W	94.1048079	94.3941116	93.2701357	94.6058272	101.253422	107.751069	0.107362201	6.60993757	0.203037483	RRP9
YLL001W	95.8803703	96.8115218	96.2964218	106.431556	102.621712	102.198887	0.107172638	6.64622078	0.177889948	DNM1
YJR132W	164.403927	150.800349	169.108864	172.359991	176.96544	172.246766	0.107052374	7.39026179	0.219203976	NMD5
YHR050W	178.805711	149.879431	171.287779	177.799827	172.534789	187.999469	0.106940994	7.43594091	0.258969305	SFM2
YBL004W	345.708578	296.535648	334.767762	322.546742	359.013099	370.575877	0.106905951	8.40211653	0.277411035	UTP20
YCR107W	26.7649593	26.0734955	28.5076145	29.2095492	31.2100316	27.1798683	0.106847436	4.82155563	0.330827667	AAD3
YBR138C	11.639798	14.3317889	10.8946297	15.4325756	12.7055452	11.5562861	0.106768108	3.68973328	0.540456379	YBR138C
YOR123C	71.2197812	70.9682559	68.4545902	84.8496013	71.3465233	70.4998009	0.106714113	6.19028265	0.255263344	LEO1
YDR485C	55.7000505	58.4207459	58.8310006	64.745863	66.2643052	55.19902	0.106498403	5.90660778	0.260955136	VPS72
YHR047C	280.933431	298.089698	288.223482	306.227237	320.049427	307.306825	0.106231825	8.23007296	0.223204451	AAP1
YHR107C	111.268578	105.848031	100.049016	120.563301	106.92205	113.755173	0.106056253	6.7794812	0.22259678	CDC12
YNR061C	68.194749	55.7731062	66.9414472	64.9232489	69.5221373	70.9517227	0.106039003	6.04771949	0.277463884	YNR061C
YKL010C	149.410289	151.836382	145.382781	164.909783	160.024713	155.719341	0.105986766	7.27306356	0.197600922	UFD4
YPL052W	8.61476578	13.5259855	8.71570379	10.5840269	12.0539788	10.6524424	0.105954333	3.43696246	0.587328821	OAZ1
YBR038W	228.718743	184.01096	230.966151	212.803983	240.297697	239.583115	0.10591217	7.79977112	0.32027756	CHS2
YMR137C	18.8078093	15.9433957	17.3708819	17.9751072	19.3515228	18.7224746	0.105830636	4.18084032	0.420217109	PSO2
YNR029C	46.427669	47.5424001	47.694268	53.7479356	51.4737474	47.1935481	0.105824139	5.61886956	0.248141287	YNR029C
YBR024W	16.243108	20.317757	16.4024703	19.6307091	18.1135465	19.3035169	0.105749829	4.20725394	0.434750178	SCO2
YBL103C	40.3776045	41.4413173	36.2549068	40.4439911	43.0587937	43.0616916	0.105712745	5.35676925	0.279171617	RTG3
YJR077C	546.215608	423.679912	523.789588	530.797819	531.156948	545.082252	0.105634818	9.01370503	0.317823723	MIR1
YLR154W-B	9.27238149	5.00749251	9.26043528	6.85892247	5.53831459	12.9120515	0.105550387	3.04144997	0.741182721	YLR154W-B
YCL034W	92.9210996	88.9837174	92.120147	104.775954	96.4969872	93.4186923	0.105424273	6.56850041	0.211782634	LSB5
YIL017C	67.4056101	66.8816815	65.3677785	75.3890186	72.5193428	66.8198663	0.105420849	6.11246844	0.221723051	VID28
YLL038C	26.4361515	21.814249	24.2102883	26.7261462	26.2581268	24.855699	0.105166891	4.6531506	0.375825431	ENT4
YDL073W	132.70685	121.100738	134.548677	141.140068	140.608034	135.834781	0.104958391	7.07080422	0.214119308	YDL073W
YOR048C	156.5783	147.001562	170.01675	166.32887	174.228861	168.760512	0.104927745	7.35696737	0.239687182	RAT1
YDL109C	27.6198598	26.2461676	27.6602544	27.3174326	29.9068988	30.4724414	0.104875899	4.82351514	0.327053859	YDL109C
YNL018C	1.90708556	2.07206587	1.4526173	1.89211654	2.34563912	1.61400643	0.104864238	1.00238382	0.773364508	YNL018C
YML032C	64.3805779	69.0688622	66.6388186	71.6639141	73.8876323	69.6605176	0.104669571	6.11565622	0.210752055	RAD52
YLR262C	13.6784067	17.7276746	14.0419672	17.3246921	16.5497871	15.0425399	0.104654384	3.98799636	0.478965727	YPT6
YGL164C	23.8714502	27.051971	22.2734653	29.4460637	26.3884401	22.8543311	0.104650526	4.66977146	0.422663358	YBR30
YEL052W	124.026323	109.243917	115.785704	128.368282	116.04398	130.734521	0.104500196	6.91665003	0.241157506	AFG1
YNR053C	135.403074	137.159249	143.264381	145.338202	143.670396	157.97895	0.104115323	7.16914356	0.21765798	NOG2
YOR104W	20.4518485	24.4043313	20.3971679	25.7209593	22.2835717	22.1441682	0.104068743	4.50509875	0.414196249	PIN2
YNL083W	35.9715793	36.7791691	31.5944263	36.3049862	34.4678638	41.3831249	0.103957931	5.17800559	0.344578132	SAL1
YCL023C	0.460331	0.57557385	0.24210288	0.59128642	0.26062657	0.51648206	0.103884167	-0.8168629	1	YCL023C
YJR039W	32.8807854	38.563448	36.3759582	41.449178	36.9438162	37.5095095	0.10381221	5.22599081	0.317809292	YJR039W
YPL162C	41.0352202	32.6925948	37.5864726	40.6805057	39.2242986	39.5754377	0.103771567	5.26953592	0.331647352	YPL162C
YNR023W	36.2346255	42.4773502	40.9153873	42.276979	42.7427573	43.6427339	0.103725116	5.3754694	0.286675448	SNF12
YHR100C	21.8986031	17.2096582	21.0024251	20.9315393	23.3912346	20.2073605	0.103686044	4.38391718	0.441108122	GEP4
YJL198W	228.324174	182.859813	240.952894	206.122446	237.756588	256.756143	0.103514097	7.81732908	0.379079581	PHO90
YPR058W	43.9944909	40.6355139	49.207411	45.4107971	49.3235782	49.0657955	0.103431485	5.33557093	0.300653365	YMC1
YNR039W	70.036073	71.140928	73.5387508	83.3122566	73.3404523	73.3404523	0.103428625	6.21629662	0.235879489	BDP1
YKR038C	96.8010323	99.0562598	97.0832562	103.002094	103.012651	108.719473	0.103335834	6.66390477	0.197213966	KAE1
YJR065C	426.266502	332.509014	410.18281	393.560241	415.894848	446.175938	0.103279315	8.65890022	0.33985762	ARP3
YNL225C	26.5019131	30.044955	27.5997287	30.392122	30.3629953	29.6977183	0.103235071	4.8693523	0.325760579	CNM67
YER034W	11.179467	11.8568213	10.2288468	9.51971136	14.204148	12.0727681	0.103171124	3.53832277	0.553328222	YER034W
YKL039W	235.097616	212.271636	222.49255	260.166025	228.764971	230.415558	0.103118971	7.85584604	0.272798373	PTM1
YOR330C	180.581274	157.534563	183.937665	178.50937	192.733348	189.419795	0.103033558	7.49631906	0.27055999	MIP1
YDL242W	2.36741655	2.07206587	2.11840023	2.48340296	2.08501255	2.45328978	0.103009313	1.25434421	0.748746446	YDL242W
YOL141W	27.5540982	26.7641841	29.3549746	26.2531171	30.7539351	32.9257312	0.102996364	4.8600895	0.375947946	PPM2
YFR046C	10.5876129	9.38185378	10.8946297	10.9387988	12.1191355	10.0714001	0.102946308	3.43042238	0.516117321	CNN1
YDL002C	16.0458233	16.3462974	15.2524816	20.2219956	17.0058836	13.8804553	0.102835455	4.05273616	0.517178386	NHP10
YLR387C	54.713627	61.2986152	51.6284398	63.8589334	59.9441109	56.2319841	0.102800468	5.85997914	0.285856899	REH1
YBL022C	265.874031	245.194461	266.313171	294.874538	274.244307	265.536338	0.102741846	8.07035832	0.261559404	PIM1
YMR182C	18.8735708	14.1015594	17.1893047	18.1524931	18.5044864	17.1084682	0.102339961	4.12331585	0.478558225	RGM1
YBR212W	143.689032	114.539196	139.814415	128.42741	143.800709	155.009178	0.102261627	7.10475205	0.332240618	NGR1
YKL088W	51.030979	47.8301871	52.6573771	59.8973144	51.4737474	51.1317238	0.10205806	5.71329006	0.296459259	CAB3
YOR102W	32.0916466	29.6996107	34.5601866	27.6722045	37.3032259	38.2842326	0.102022166	5.06193153	0.436556534	YOR102W
YIL007C	8.94357364	14.1015594	10.6525269	13.776937	10.2947495	12.1373284	0.102011308	3.56145093	0.603362366	NAS2
YML029W	94.8281852	95.8906036	93.875393	97.7987739	105.74923	101.940646	0.101927867	6.62151536	0.208490013	USA1
YIL160C	10.9821823	8.80627993	11.8025156	12.2396289	11.5327257	10.0714001	0.101875376	3.46266239	0.556674576	POT1
YGR125W	155.000023	130.655264	148.711696	155.922229	155.007652	155.073738	0.101813777	7.23045075	0.256116145	YGR125W
YCL002C	39.8515119	39.1965793	46.4837536	42.276979	45.0883964	47.3872288	0.101685586	5.44282718	0.317992279	YCL002C
YFR044C	904.616169	678.313784	831.683929	888.407846	823.645115	878.729662	0.101680223	9.7044816	0.362683424	DUG1
YLL061W	42.8107826	34.3617589	40.7943358	43.1639087	42.8421308	40.8020826	0.101621609	5.35207287	0.339208288	MMP1
YOR116C	347.944471	296.190304	353.288632	316.811264	370.871608	382.519524	0.101599524	8.4291961	0.338254351	RP031
YKL212W	336.238912	328.998013	312.796925	354.357952	336.990154	357.986627	0.10157462	8.40094008	0.25199774	SAC1
YNL281W	60.9609762	77.5297978	57.9836405	86.8599751	67.0461849	56.8775866	0.101567385	6.08829365	0.481876192	HCH1
YDR527W	54.713627	52.2621057	58.0441662	59.956443	57.2726885	59.7827982	0.101548924	5.83606955	0.245221377	RBA50
YLR127C	44.2575372	50.7080563	45.8179706	49.7863166	49.8448313	51.5190853	0.101494449	5.60835447	0.269306994	APC2
YLL024C	7257.24968	5630.1483	6376.98994	7291.56675	6896.5048	6478.4927	0.101373803	12.7002799	0.353415626	SSA2

YJL162C	16.243108	20.8357734	18.3392934	19.2759373	18.3090165	21.9504875	0.101274458	4.27000704	0.466100255	JJJ2
YDL155W	52.2804488	59.0538772	52.9600057	63.6815474	59.8789542	52.6811699	0.101194954	5.83019403	0.305056408	CLB3
YBL074C	18.9393324	18.1881337	17.2498304	18.5072649	20.589499	19.2389567	0.101184923	4.24024054	0.419188909	AAR2
YIL048W	169.730614	145.620184	150.527468	163.786338	167.582884	167.985789	0.10042124	7.33071643	0.263903625	NEO1
YOR071C	82.136202	69.2990917	79.8334257	78.6410939	81.967056	87.2209076	0.100178314	6.32108272	0.277285616	NRT1
YGR003W	41.5613128	45.7581212	42.489056	46.5933699	46.1960594	46.418825	0.100173769	5.49069465	0.267414958	CUL3
YGL026C	475.98225	403.074368	498.792465	487.279139	490.890143	498.663427	0.100160487	8.89447892	0.315932791	TRP5
YOR285W	162.957173	147.69225	156.216885	183.771819	156.962351	159.528396	0.100140128	7.3337194	0.284479031	RDL1
YDL031W	221.484971	214.804161	225.216207	235.56851	237.821744	235.644939	0.10013394	7.83631104	0.24386824	DBP10
YPR048W	52.8065414	56.6940244	54.4731487	57.0000109	61.0517738	57.7814303	0.099986788	5.82672515	0.245664614	TAH18
YHR079C	117.187119	107.920097	116.148858	121.272845	123.99309	120.40488	0.099926147	6.88184672	0.222377552	IRE1
YGR270W	197.021666	178.715681	189.929712	207.364148	202.897784	195.875821	0.099924436	7.61040809	0.259784254	YTA7
YOR056C	78.6508388	83.2279789	79.5913228	89.6981499	84.7687916	84.315696	0.099878481	6.38378434	0.222088892	NOB1
YLR326W	8.94357364	9.26673901	8.71570379	11.234442	9.44771313	8.13459242	0.099811571	3.23644057	0.569695121	YLR326W
YNL135C	194.785773	161.390908	169.774647	206.240703	178.203417	178.961033	0.099737708	7.50522099	0.326862341	FPR1
YER047C	59.9087911	57.1544834	58.9520521	63.4450329	63.9838227	61.1385636	0.099733268	5.9279402	0.235073868	SAP1
YGL110C	49.0581319	47.2546132	48.9653081	55.167023	52.3207837	48.0973917	0.099633711	5.65158503	0.280517854	CUE3
YDL029W	266.860455	284.563712	266.918429	305.281179	286.428599	285.098096	0.099551687	8.14290124	0.262343435	ARP2
YGL104C	39.2596578	36.9518413	40.6127587	45.4107971	38.985154	40.7375223	0.09929099	5.33767389	0.327861679	VPS73
YPR016C	261.007675	199.090995	251.605421	257.032207	237.756588	267.473146	0.099260597	7.9411278	0.368685592	TF6
YPL256C	218.657223	207.436816	214.98736	205.708546	233.391093	247.653147	0.09917057	7.79057698	0.298726053	CLN2
YER007W	14.9278766	15.0224775	13.1946071	15.8464761	14.9208711	15.4299015	0.099146281	3.90819772	0.464141506	PAC2
YJR008W	16.3746311	18.533478	17.1893047	20.3993815	16.3543172	19.0452759	0.09913212	4.17952623	0.466686732	MHO1
YPL009C	188.012331	176.183156	187.327106	219.367262	191.104432	180.123118	0.099068755	7.5735102	0.308676828	RQC2
YOL138C	80.6236859	69.8171082	75.8387282	76.4533341	83.6611287	82.1852075	0.099004745	6.28909986	0.262597038	RTC1
YGR182C	7.8913885	10.0725424	8.47360091	8.92842494	9.18708656	10.2650809	0.098813743	3.21187143	0.567095304	YGR182C
YOR350C	34.9851557	37.9878742	37.5259469	37.487559	40.0061783	40.9312031	0.098711528	5.25835842	0.305786017	MNE1
YDR243C	28.4089986	26.2461676	29.476026	27.6722045	28.1476695	34.2814966	0.098694096	4.86536937	0.406734574	PRP28
YLL029W	147.568965	146.944004	156.337937	163.963724	156.375941	162.369047	0.098552101	7.28278022	0.23671433	FRA1
YGL244W	85.81885	80.0047653	88.0649238	101.405621	88.4827202	81.797846	0.098483604	6.45492013	0.305036692	RTF1
YLR113W	286.260118	257.223954	261.95532	300.669145	286.819539	274.639334	0.098333971	8.11917071	0.282742094	HOG1
YMR091C	90.7509678	83.4582085	90.4254269	98.0944171	90.3071062	94.7744577	0.098265227	6.51445833	0.243838021	NPL6
YGR047C	77.0725611	77.8175847	76.080831	90.8807228	79.230477	77.0203869	0.098132805	6.31861441	0.27212372	TFC4
YJL091C	92.5265302	83.1128641	95.0859074	90.7033368	92.0011789	107.040907	0.098016753	6.54719275	0.301305898	GWT1
YIR012W	194.720011	181.248206	201.066444	199.086138	196.57759	221.893604	0.097949166	7.63815524	0.291790276	SQT1
YMR304W	119.488774	102.739932	109.006823	127.658738	116.23945	110.39804	0.097850227	6.83760081	0.289572668	UBP15
YDL277C	75.9546144	85.933176	78.683437	90.9989801	86.5280209	79.9255985	0.09763992	6.37747319	0.272627387	YSH1
YBR234C	289.416673	240.992772	273.334155	272.701297	275.677753	311.503241	0.097522903	8.11567816	0.332070106	ARC40
YGL218W	10.5876129	14.9073628	9.86569249	12.4761435	12.8358585	12.5892502	0.097482375	3.62614513	0.577317009	YGL218W
YDR185C	8.28595793	9.6696407	9.44201244	8.63278173	10.2295928	10.5233219	0.097376259	3.2607893	0.55772566	UPS3
YHL025W	61.5528303	57.9027295	55.2599831	63.7998047	60.2698941	62.7525701	0.097341254	5.91586317	0.26474585	SNF6
YDR538W	20.1888023	17.9579042	18.8234992	19.0394227	20.394029	21.4985657	0.097328683	4.30445438	0.437745637	PAD1
YBR168W	27.882906	27.1095284	26.5707914	29.564321	29.0598624	28.600194	0.097314303	4.82026523	0.349275159	PXK32
YGL181W	69.115411	63.658468	62.0993895	78.286322	65.6127388	64.3665765	0.097032138	6.07291043	0.326241541	GTS1
YNL322C	303.358126	260.274496	294.397106	242.95959	320.37521	354.371252	0.096930604	8.20964996	0.443460197	KRE1
YER098W	22.7535035	21.1235603	24.936597	23.8288427	25.8020303	23.9518554	0.09668658	4.57578959	0.413478777	UBP9
YIL047C-A	18.1501936	15.0224775	15.0709045	21.0497966	16.2240039	14.2032566	0.096679692	4.06594506	0.571652132	YIL047C-A
YOL125W	54.713627	50.7656137	55.8047146	59.8973144	57.5984718	54.8762187	0.096660488	5.80037886	0.279867436	TRM13
YJL033W	126.985593	128.9861	134.064472	126.71268	136.698635	153.717973	0.096550639	7.072966	0.292398987	HCA4
YMR320W	2.10437027	2.30229541	3.02628604	3.07468938	2.9320489	1.93680772	0.09650287	1.42911232	0.755262836	YMR320W
YDR392W	18.3474783	19.7997405	20.3971679	24.5975151	20.3288724	17.6249502	0.096491436	4.34516095	0.500020848	SPT3
YMR009W	17.5583394	20.4328717	18.218242	21.5819543	20.0682458	18.4642336	0.096429536	4.28716523	0.457045201	ADI1
YDR199W	4.99787939	5.69818113	5.02363483	5.79460692	5.53831459	5.48762187	0.096244854	2.47292749	0.621604172	YDR199W
YOR042W	84.2405723	78.7385029	80.3176315	92.5954534	86.0719244	81.2813639	0.096226071	6.39226646	0.263618082	CUE5
YER024W	35.6427714	34.1890868	34.5601866	38.3744887	36.2922497	36.8639069	0.096174325	5.17426704	0.314461313	YAT2
YNL263C	160.918564	129.273887	155.551102	155.981358	155.463748	164.886897	0.096106876	7.26474383	0.321048707	YIF1
YGL133W	98.9054026	94.7394559	96.901679	104.243796	103.990001	102.263448	0.096033104	6.64806254	0.227952011	ITC1
YLR314C	176.964387	168.297794	181.819265	201.392155	183.546261	178.315431	0.09601042	7.50659225	0.288399005	CDC3
YPL094C	238.846025	204.328717	232.358242	240.476187	237.495961	243.908652	0.095936471	7.86425505	0.30251209	SEC62
YFR037C	213.133251	183.435386	194.287564	220.549835	202.702314	208.013149	0.095788046	7.67101653	0.304595304	RSR8
YHR007C	933.222452	759.527254	874.596665	947.950389	904.048411	891.383472	0.09575388	9.78990813	0.341905968	ERG11
YDR328C	65.2354783	63.370681	61.0099266	67.69725	67.3068115	54.4242969	0.095680334	6.03323566	0.431960677	SKP1
YFL029C	22.8219804	23.3682984	21.9103109	24.1244859	23.3260779	25.1139401	0.095583203	4.55665947	0.395827826	CAK1
YHR066W	67.734418	72.7525348	74.0834823	80.0010526	77.2757777	71.9846868	0.095417069	6.21147244	0.2671429	SSF1
YML075C	252.064101	207.321701	254.268553	243.018719	258.28093	261.01712	0.095290477	7.94308149	0.344052918	HMG1
YGR086C	664.652197	615.748906	608.707174	714.924411	665.249318	637.726221	0.095230695	9.34715327	0.309361536	PIL1
YNL021W	72.5350127	71.8316167	80.5597344	79.0549944	79.7517301	81.4750447	0.095131183	6.27900457	0.260971728	HDA1
YKR049C	12.8235063	15.3102644	14.9498515	16.7925343	15.7480515	15.4944617	0.095095284	3.90620636	0.523760032	FMP46
YLR378C	609.017908	475.481559	624.807016	564.560274	619.639668	641.470716	0.095057108	9.20275395	0.403750935	SEC61
YOL062C	102.390766	96.4086201	99.2621821	104.657696	101.253422	112.399408	0.095014118	6.68430922	0.255398636	APM4
YDL243C	20.6491333	16.9218712	19.6708593	21.2863111	20.3288724	19.4326374	0.094986157	4.30954496	0.468700128	AAD4
YMR117C	14.2702609	14.1591167	15.3130074	18.5663936	14.5950879	13.4930938	0.094898588	3.9263439	0.544608024	SPC24
YIL061C	17.6898626	17.3823303	16.2814189	15.0778037	20.4591857	19.3680772	0.094832164	4.15493745	0.518997271	SNP1

YDL095W	889.556769	704.387279	844.757485	848.555141	849.447145	906.232331	0.094804083	9.71525718	0.366684869	PMT1
YDR189W	132.641088	149.879431	135.759192	136.350648	153.639362	156.752305	0.094438705	7.1728304	0.300778419	SLY1
YCR094W	51.4255484	56.8666965	51.386337	61.3164018	54.8618928	54.2951764	0.094429516	5.78559196	0.311973928	CDC50
YER104W	4.66907153	5.46795159	5.26573771	5.2033205	5.47315795	5.81042315	0.094344557	2.44369125	0.599448033	RTT105
YKL117W	169.467568	187.521961	170.198327	198.021822	186.347997	178.444551	0.094292515	7.50622051	0.298890464	SBA1
YLR154C-G	7.03648808	2.18718064	4.23680046	7.56846618	2.47595241	4.26097698	0.094191322	2.24611879	0.842995055	YLR154C-G
YNL290W	70.8252118	58.3056311	64.157264	76.3350768	66.0688353	63.7209739	0.094149012	6.05933805	0.360053408	RFC3
YCR052W	91.8689145	95.5452593	100.412171	99.3361186	101.970145	106.007942	0.094141604	6.63388814	0.255232778	RSC6
YHR149C	95.0912315	87.8901271	98.7174506	88.5155771	102.947495	109.235955	0.093884464	6.60242414	0.329118379	SKG6
YER190W	85.7530884	71.1984854	90.6675298	95.4336282	77.2106211	91.4818845	0.093858702	6.41634475	0.390789741	YRF1-2
YBR117C	19.3996634	17.1521008	21.3655794	18.5663936	21.6971619	21.5631259	0.093846472	4.32657454	0.486963766	TKL2
YIL151C	152.435321	145.332397	141.024929	154.798785	153.378736	160.044878	0.093787766	7.2411196	0.257573621	ESL1
YOR052C	19.3996634	24.807233	17.9156134	23.119299	23.9776444	19.2389567	0.093545343	4.42948761	0.52743331	TMC1
YNR034W	25.7127742	24.2316591	25.7234313	28.2634909	26.8445366	25.5658619	0.093484104	4.71036255	0.396134726	SOL1
YPL030W	81.6101094	84.7244709	82.5570832	82.9574847	91.0889859	91.6110051	0.093472285	6.42415789	0.26091751	TRM44
YOL060C	166.508297	138.713298	151.919559	156.395258	163.738642	167.469307	0.093350731	7.29974858	0.311145015	MAM3
YMR119W	134.876982	117.647295	125.711922	138.301894	132.789237	132.283967	0.093347851	7.02659739	0.277226846	ASI1
YJL087C	48.5978009	53.4708108	49.6310911	56.5861104	52.7768802	52.4874892	0.093250541	5.71125246	0.301193441	TRL1
YKL207W	161.510418	136.008101	153.493228	143.859986	165.823655	171.407483	0.093198568	7.28026963	0.344830786	EMC3
YJL019W	67.1425639	66.7090094	67.425653	68.5300961	67.5590547	69.6605176	0.093136854	6.11796297	0.275597528	MPS3
YIL156W	92.3950071	85.8180612	94.4806502	96.0840433	94.8680711	99.874718	0.093106414	6.55513123	0.262409654	UBP7
YDL129W	20.6491333	19.6270683	20.8813737	18.0933645	20.7198122	26.4697055	0.093105141	4.40449622	0.524555544	YDL129W
YIL046W	80.9524937	76.4937649	77.2913455	82.6027129	85.9416111	81.797846	0.093073321	6.33916156	0.253640457	MET30
YKR063C	25.9100589	32.6350374	30.141809	34.8267701	29.8417422	29.9559594	0.092860049	4.9401145	0.438230614	LAS1
YFL061W	2.56470126	2.35985279	2.0587451	2.01037383	3.25783211	2.19504875	0.092802376	1.33471145	0.73900385	DDI2
YOR130C	15.1909229	18.1305763	16.5840475	17.6203353	17.2665102	18.3996733	0.092758425	4.1151902	0.477678564	ORT1
YMR135W-A	1.44675456	0.69068862	0.78683437	0.94605827	1.04250628	1.09752437	0.092665353	0.15887945	0.867321772	YMR135W-A
YFL013C	60.3033605	58.9387624	59.7994121	63.7406761	59.9441109	67.2072278	0.092652504	5.94896636	0.282078537	IES1
YNL072W	37.3525723	35.1675623	37.5864726	41.5083067	35.70584	40.0919198	0.09241231	5.24893228	0.363197041	RNH201
YOR142W	297.176539	229.251065	263.105308	293.337193	270.660692	277.415425	0.092117097	8.08708942	0.379708105	LSC1
YDR003W	24.7921122	25.8432659	25.1181741	28.3817482	27.5612597	24.7911388	0.092068629	4.7120398	0.408338622	RCR2
YOR022C	30.3160842	29.3542664	29.4550023	34.2946124	31.118044		0.091889596	4.94419189	0.389713843	YOR022C
YHR163W	178.608426	161.621137	171.227264	186.255222	179.962646	178.767352	0.09187878	7.46098327	0.292554167	SOL3
YDR257C	39.2596578	42.7651372	39.2206671	50.7915035	39.0939854	39.2526364	0.091775223	5.38805565	0.432514742	RKM4
YLL062C	6.70768023	9.49696855	7.98939514	9.16493951	8.47036349	8.19915267	0.091740448	3.08389014	0.596040671	MHT1
YJL128C	93.3156691	96.984194	94.4806502	95.0197277	101.057952	107.492828	0.091711328	6.61729097	0.275620024	PBS2
YOR274W	24.0687349	26.5339546	23.9681854	26.9626608	26.6490667	25.8886632	0.09169309	4.68969752	0.404354226	MOD5
YLR208W	226.48285	262.346561	245.250221	272.937812	258.997653	250.364678	0.091670208	7.98224042	0.327104349	SEC13
YOR002W	212.935966	161.621137	196.950695	184.067463	209.543762	215.308458	0.091636222	7.62078109	0.412773057	ALG6
YMR297W	1269.19832	956.603741	1156.88863	1226.74194	1159.26698	1218.05837	0.091514069	10.1855697	0.407527203	PRC1
YLR091W	24.7263506	21.5840194	22.4550424	23.296685	23.2609213	26.6633862	0.091306505	4.57126628	0.451317583	GEP5
YMR048W	15.9143001	16.0585105	16.3419446	18.8029082	16.6149438	16.0109438	0.091209935	4.06646026	0.49957333	CSC3
YDR057W	40.1145582	41.9017764	43.3969418	48.071586	43.9807335	41.5122454	0.091183443	5.43615844	0.345864356	YOM9
YMR095C	10.7191361	11.9143787	12.7709271	12.6535294	11.3337558	13.7513348	0.09116116	3.62296563	0.558767941	SN01
YLR421C	43.3368752	46.8517115	45.3942906	53.9253215	49.3235782	41.1248839	0.090978356	5.54837706	0.403236166	RPN13
YDR348C	121.39586	102.855047	125.227716	121.509359	121.517138	129.120515	0.090976365	6.9114368	0.330761925	PAL1
YLR249W	7800.04568	6347.25576	7640.40384	7755.9631	7838.47438	7610.68593	0.090935737	12.8724648	0.375115477	YEF3
YJL178C	99.3657336	109.243917	98.8385021	115.005209	112.134581	100.32664	0.090917996	6.72726987	0.30553607	ATG27
YER180C-A	1.64403927	1.38137724	1.39209158	2.06950247	1.43344613	1.16208463	0.090889015	0.71456514	0.844661019	SLO1
YEL056W	63.9860085	67.4572554	56.5310232	67.4066519	63.0064731	69.7896381	0.090871017	6.01838844	0.334286114	HAT2
YPL093W	395.555849	459.365491	421.682697	460.730379	451.731001	447.208902	0.090849825	8.77976431	0.327884742	NOG1
YEL061C	60.1060758	57.7300573	62.8862239	61.1981445	68.2190044	63.0753713	0.090783144	5.9615254	0.299627129	CIN8
YML074C	299.609717	301.370469	274.302567	378.718952	297.049132	256.239661	0.090763155	8.23534714	0.46997116	FPR3
YIL029C	2.95927069	3.56855788	3.08681176	3.07468938	4.23518175	2.96977183	0.090728994	1.78182954	0.694486077	YIL029C
YPL193W	30.2503226	28.6635778	31.1102205	32.4616245	30.8190918	32.5383697	0.090593486	4.9585702	0.375145332	RSA1
YGL059W	13.4153605	15.2527071	13.7393386	14.6639032	14.5950879	15.9463835	0.090535939	3.8805587	0.507163708	PKP2
YGR224W	24.3975428	24.3467739	22.8787225	27.6130758	26.4535968	22.1441682	0.090466743	4.63034329	0.46110389	AZR1
YJR056C	12.4289369	12.6626247	10.6525269	13.9543595	13.1616417	10.9106835	0.090466087	3.63501271	0.577051893	YJR056C
YKL074C	34.1302553	43.1680389	42.6706332	41.7448213	41.9608776	44.159216	0.090388476	5.3730215	0.403073401	MUD2
YNL138W	348.930895	334.005506	353.470209	360.743845	373.15209	369.349232	0.090172926	8.47866365	0.30090634	SRV2
YOL053W	13.7441683	15.0224775	16.4629961	16.0829906	14.7254012	17.3667092	0.090085123	3.97232231	0.516473033	AIM39
YIL087C	16.9007237	16.1160678	14.7077502	16.9107916	16.8755703	16.9793477	0.089783678	4.04725822	0.497413834	AIM19
YDL160C	192.418356	170.830319	196.829644	194.474104	198.467132	203.042009	0.089770104	7.59086483	0.327767375	DHH1
YGL225W	577.320831	456.832966	601.080933	542.97832	567.449197	629.333388	0.089434947	9.13595726	0.433651152	VRG4
YGL145W	50.4391249	63.1980089	52.7784285	56.822625	59.8789542	60.4929611	0.089221774	5.84300945	0.371385003	TIP20
YKL022C	71.1540197	69.3566491	69.4835275	78.6410939	74.1482589	70.4998009	0.08910613	6.17669821	0.291225912	CDC16
YMR307W	4272.4635	3397.84267	4116.899	3970.19267	4215.17866	4352.00694	0.089022793	11.9851992	0.403718959	GAS1
YKL078W	47.6771389	48.9237774	52.5968514	45.7655689	54.5361096	58.4915931	0.088837939	5.68486367	0.397221017	DHR2
YAL065C	0.39456943	0.92091816	0.60525721	0.76867235	0.39093985	0.9038436	0.088660934	-0.3321122	0.915308957	YAL065C
YKL176C	185.973722	161.333351	182.061368	178.331984	192.081781	192.454127	0.088639874	7.5089332	0.338540818	LST4
YLR371W	191.234648	166.3984	178.006145	177.622441	198.206506	193.680772	0.088549708	7.52585841	0.342527231	ROM2
YDR483W	532.537201	490.791823	506.539757	551.847616	541.256227	533.461406	0.088491593	9.03943478	0.320002738	KRE2
YGL241W	64.7751473	72.8676496	70.5729904	71.2500136	73.8224757	76.4393446	0.088412117	6.1648594	0.30208716	KAP114

YMR160W	36.168864	37.7000873	33.3496722	39.2022897	37.7908525	36.9930274	0.088409931	5.20920247	0.369706189	YMR160W
YOL039W	916.124444	676.932407	826.29714	1101.27096	797.452145	673.298923	0.088368902	9.70048585	0.577227168	RPP2A
YEL037C	188.998755	190.227158	187.569209	210.675351	196.642746	195.101097	0.08805147	7.60730083	0.312138774	RAD23
YCR015C	11.5082749	12.7777395	10.7130526	13.8361022	11.467569	11.8790873	0.087969048	3.6047326	0.569407533	YCR015C
YBL034C	89.7645442	88.177914	88.004398	91.176366	99.624506	91.8692461	0.087843166	6.51650902	0.286712804	STU1
YMR162C	165.982205	142.166741	164.266806	159.942977	171.101343	170.955561	0.087792733	7.34435783	0.340589279	DNF3
YBR070C	45.8358149	42.8226945	46.9679593	49.2541588	46.6521559	48.1619519	0.087788634	5.54645622	0.334983634	ALG14
YFR020W	13.2180757	12.7201821	15.3735331	13.8952309	14.2693047	15.7527028	0.087650868	3.84022488	0.546104568	YFR020W
YOR332W	226.022519	228.330147	200.461187	263.299843	228.830128	203.558491	0.087552237	7.81518563	0.416180541	VMA4
YNL106C	58.7250828	59.5143362	55.8047146	59.956443	64.5702325	60.4284008	0.087423837	5.90571393	0.309457862	INP52
YHR032W	164.009358	129.504117	160.81684	157.104802	160.220183	165.274259	0.087410689	7.28777051	0.38276939	ERC1
YKL012W	47.6771389	55.7731062	46.3627021	58.3599697	51.538904	49.2594763	0.087223002	5.69034154	0.406569955	PRP40
YPL270W	159.143001	127.66228	146.593296	141.908741	156.180472	162.239927	0.087194373	7.21964994	0.379254467	MDL2
YAR033W	15.1909229	18.1305763	18.0971905	17.8568499	18.3302696	18.0123118	0.087169265	4.15516641	0.500117285	MST28
YER137W-A	0.460331	0.69068862	0.66578293	0.76867235	0.4560965	0.71016283	0.087093021	-0.408637	0.908988734	YER137W-A
YLR396C	64.05177	58.5358607	59.2546807	61.434659	62.1594367	69.5313971	0.087084336	5.96818399	0.336100304	VPS33
YMR109W	263.375091	283.988138	265.465811	286.182627	293.270047	284.000572	0.087058428	8.12673534	0.321256011	MYO5
YJR024C	105.350037	98.7684729	105.920011	108.796701	112.395208	108.073871	0.08697034	6.73695557	0.285470219	MDE1
YCR019W	20.7806564	23.4258558	22.3945167	28.086105	21.1759087	21.4340054	0.086961037	4.52542619	0.528643903	MAK32
YMR185W	44.4548219	57.6724999	48.9653081	53.3340351	55.5786159	51.7127661	0.086952326	5.70298587	0.406768282	RTP1
YBL104C	76.0861375	79.198962	76.9281911	81.42014	86.9189608	78.3115921	0.086711396	6.32071711	0.297857814	SEA4
YKL056C	1430.57721	1142.45654	1307.29504	1496.13203	1355.84457	1268.54449	0.086706818	10.381097	0.426291589	TMA19
YJR002W	116.924073	104.236424	113.001521	127.836124	114.936317	111.882926	0.086535717	6.84454257	0.333203713	MPP10
YMR173W	138.362345	170.254745	145.322256	150.305008	163.152232	168.695952	0.086452961	7.28674045	0.376287084	DDR48
YPL152W	28.4747602	27.4548727	25.1786999	30.3329934	28.0825128	27.6317901	0.086379249	4.80645606	0.434871718	RRD2
YDL148C	126.525262	128.525641	132.853957	150.955423	132.398297	128.345791	0.086169076	7.05963316	0.33605998	NOP14
YIL090W	131.194334	110.913081	138.846004	119.794629	132.137671	152.426767	0.086012793	7.03324141	0.430282848	ICE2
YHR023W	164.206642	156.671202	164.993115	169.344431	176.96544	169.341555	0.085863767	7.3840144	0.309264799	MYO1
YBR283C	667.414183	521.124565	638.970034	626.349705	637.297118	675.687653	0.085757168	9.29440385	0.422097751	SSH1
YGR013W	49.2554166	45.7005638	47.6337423	54.8713798	48.997795	47.3226686	0.085730057	5.61732086	0.368975849	SNU71
YAL042W	456.516825	367.964363	405.098649	459.015648	428.209453	417.382063	0.085638301	8.72271793	0.398116065	ERV46
YHR114W	55.7658121	53.0103517	50.0547711	58.8921274	55.0573627	54.4888571	0.085560346	5.77258266	0.343933876	BZZ1
YLL021W	214.843052	188.903338	208.390057	217.061245	222.705403	209.627155	0.085433718	7.71675778	0.348032816	SPA2
YMR281W	27.4225751	30.9083158	31.2312719	29.5051924	32.7737911	32.8611709	0.085386096	4.94985257	0.426105749	GPI12
YIL129C	220.038216	210.372243	228.968802	229.714774	245.640541	224.217773	0.085373568	7.82405416	0.341228433	TAO3
YNL141W	186.368292	208.415292	198.524364	215.760415	212.410654	201.298882	0.085217492	7.67192546	0.34182396	AAH1
YIL113W	5.98430295	5.00749251	5.62889203	6.79979383	5.73378452	5.03570005	0.085130407	2.54174461	0.700040436	SDP1
YOR304W	91.8031529	91.2284554	98.7779763	101.346492	99.4941927	98.0670308	0.085034409	6.59856942	0.299219401	ISW2
YJL154C	145.727641	162.311826	146.593296	158.523889	159.177677	164.564096	0.084837403	7.28796383	0.323711513	VPS35
YOL083W	10.2588051	12.8352969	9.56306389	13.4222017	10.8811593	10.3296412	0.084770758	3.50575414	0.637466009	ATG34
YEL062W	33.6041627	36.7791691	34.3180837	33.4668114	37.334756	40.3501608	0.084739901	5.17366062	0.419401376	NPR2
YJL115W	50.1760786	41.844219	49.3284624	57.1182682	45.2838664	47.3226686	0.084702151	5.60399147	0.456879527	ASF1
YGR194C	48.9266087	54.3341716	50.3573997	59.4834139	54.5361096	48.8721147	0.084655476	5.72492245	0.393669478	XKS1
YLR383W	55.5685274	52.8952369	53.5652629	59.8381857	55.5134592	56.3611046	0.084503561	5.80079756	0.331896201	SMC6
YOL079W	3.55112483	3.91390219	5.93152064	2.77904617	4.69127824	6.77882701	0.084436376	2.23794303	0.801127673	YOL079W
YAL015C	31.8943619	29.0089221	29.9602318	31.6338235	31.8615981	32.7966107	0.084410924	4.96837411	0.408387283	NTG1
YNL219C	191.563456	144.756824	176.493002	166.506256	176.248717	200.84696	0.084321964	7.46074216	0.457939327	ALG9
YFL036W	164.206642	165.937941	158.940543	171.650448	176.835127	170.051718	0.084320858	7.39280867	0.314915685	RPO41
YBR241C	55.5027658	42.0744485	57.9836405	53.9253215	54.5361096	56.3611046	0.084250192	5.74146606	0.465930863	YBR241C
YLR149C	13.941453	14.3317889	13.7998643	14.8412891	14.2693047	15.4944617	0.084033581	3.8649016	0.529702906	YLR149C
YDL086W	151.383136	129.504117	149.680108	164.200239	150.446687	141.580644	0.084023974	7.2086532	0.378054342	YDL086W
YDR170C	449.151529	430.299011	440.566722	460.198221	485.351828	453.535807	0.083942458	8.82431935	0.343089255	SEC7
YJL210W	64.1175316	49.7871381	64.8835727	64.9232489	59.8137976	64.6248175	0.083928542	5.94173939	0.437330282	PEX2
YGL127C	17.624101	19.5119536	19.3077049	20.0446096	19.8076192	20.0136798	0.083881442	4.28639777	0.489355231	SOH1
YJR139C	648.803658	517.037991	680.490679	602.698248	659.515533	694.539248	0.083828871	9.30821137	0.461110321	HOM6
YPL066W	77.5328921	90.4802094	82.3149803	81.3610114	90.5677327	93.5478128	0.083767268	6.42779309	0.361822377	RGL1
YBL037W	73.9817672	74.4792564	76.4439854	75.152504	81.1851763	82.056087	0.083575917	6.27300104	0.311806095	APL3
YIL125W	258.179927	227.984803	249.305444	250.35067	265.578474	263.341289	0.083548855	7.98050261	0.360168215	KGD1
YNR016C	1588.14194	1261.08231	1557.08469	1530.19013	1608.84781	1529.69074	0.083488556	10.5628216	0.431683428	ACC1
YOL036W	136.718306	140.382462	132.490803	138.715794	151.814976	143.517452	0.083443047	7.13672334	0.318922765	YOL036W
YDR306C	40.5748892	40.2901696	38.9785642	43.9917097	40.071335	46.860108	0.083436442	5.36646159	0.375717698	YDR306C
YDL111C	81.9389173	78.6809455	86.7938836	85.9139168	87.5053706	88.7057935	0.083342572	6.41007734	0.312025041	RRP42
YBR094W	78.5850772	86.3360777	79.5913228	92.1224243	89.5252265	77.4077485	0.08330713	6.39339328	0.366092566	PBY1
YPL073C	1.97284713	2.24473802	1.4526173	3.31120395	1.43344613	1.22664489	0.083302689	1.05734695	0.830313766	YPL073C
YDR120C	147.897773	149.879431	148.166965	151.783224	164.064425	156.623184	0.083184759	7.25914575	0.312496139	TRM1
YBR228W	16.5061543	16.7491991	14.526173	18.2707504	16.4194739	15.8818233	0.082965371	4.04619322	0.542006982	SLX1
YOL075C	59.3169369	51.3411875	60.6467722	59.128642	59.4880144	62.7525701	0.082894224	5.87992649	0.375913754	YOL075C
YOR065W	182.882929	156.325858	170.016725	192.46373	171.815271	171.859405	0.082798498	7.44992509	0.382028397	CYT1
YBL106C	43.8629678	45.4703343	47.0890108	44.1690956	51.7995306	48.6138737	0.082732634	5.55303383	0.384648705	SRO77
YDR253C	9.99575877	11.2236901	10.7735783	11.5300852	11.4024124	10.9752437	0.08268317	3.47412915	0.575487505	MET32
YBR031W	4501.83986	3563.83817	4451.60624	4615.87744	4380.48106	4256.65144	0.082413088	12.0684951	0.446445127	RPL4A
YLR032W	76.0203759	78.4507159	76.6255625	86.5643319	84.3778517	73.6632535	0.082148544	6.31130952	0.353810286	RAD5
YLR375W	140.335192	112.179344	140.903878	120.385915	145.038686	151.006442	0.082044362	7.07751148	0.464264439	STP3

YMR208W	170.848561	143.778348	163.7826	164.791525	161.718786	179.800316	0.082037877	7.35953735	0.388014229	ERG12
YPL060W	8.94357364	11.0510179	10.4709497	11.6483425	10.4250628	10.2005206	0.082000102	3.40528693	0.611613587	MF1M
YML034W	74.4420982	78.7960603	76.3229339	88.1016766	80.6639231	74.1797356	0.081996308	6.3016973	0.358633476	SRC1
YER121W	0.78913885	0.80580339	0.66578293	0.53215778	0.84703635	1.03296412	0.081856435	-0.1540354	0.841636321	YER121W
YPL001W	19.9915175	33.1530538	24.270814	29.6825783	26.3232835	26.0177837	0.081817869	4.740652	0.609468236	HAT1
YDR066C	6.3131108	9.61208332	6.83940645	7.56846618	8.34005021	8.26371293	0.081704895	2.99249927	0.661763627	RTR2
YBL101C	92.6580534	93.9912099	95.9937932	93.3049971	102.752025	103.102731	0.081489583	6.60113722	0.327458427	ECM21
YLR223C	185.579153	194.256175	195.134924	210.024936	198.727759	199.620315	0.081460654	7.62463626	0.348964222	IFH1
YHR090C	20.1230407	24.4618887	21.5471566	24.3610005	23.9124877	21.7568067	0.08145201	4.51291419	0.507645161	YNG2
YJL099W	35.6427714	36.0309231	36.1338553	39.4388042	37.5953826	36.9930274	0.08122481	5.21328968	0.391127222	CHS6
YBL105C	149.081481	145.159725	155.853731	159.115176	158.721581	158.301751	0.081198947	7.27139125	0.322752841	PKC1
YLR224W	70.8252118	73.6158956	72.8124421	72.9056156	78.5789106	78.4407126	0.081191961	6.22204179	0.324513098	YLR224W
YDL027C	39.4569425	50.8807285	41.5811702	45.8838262	48.2810719	45.5149814	0.081013002	5.50473101	0.449551197	YDL027C
YPL125W	114.951226	126.165788	118.509361	122.632804	127.902489	129.959798	0.080932725	6.94811057	0.32948874	KAP120
YBR235W	134.022081	112.812475	127.769797	123.697119	128.423742	144.033934	0.080902506	7.00631225	0.39859767	VHC1
YPR164W	117.384404	124.496624	126.075076	120.090272	139.435214	129.766117	0.08081869	6.9809968	0.355515244	MMS1
YOR323C	188.012331	197.076487	173.103561	218.894233	192.668191	178.702792	0.080765144	7.58154717	0.421866991	PRO2
YDR049W	55.4370042	52.3772205	57.015229	59.7790571	57.1423753	57.3295084	0.08075304	5.82361015	0.351963795	VMS1
YMR239C	26.4361515	32.1170209	32.3812606	30.2738647	33.3602008	32.6674902	0.080717566	4.96972672	0.473950337	RNT1
YDL181W	21.306749	16.9794286	16.7656247	24.3018719	17.0058836	16.7856669	0.080685765	4.24688596	0.645611232	INH1
YLR015W	23.4768808	24.4618887	24.2102883	26.6078889	24.6292108	25.0493798	0.080622318	4.63622285	0.465146685	BRE2
YDR312W	29.3296606	36.9518413	32.2602092	34.6493842	35.0542735	34.6042979	0.08042874	5.08511972	0.464521174	SSF2
YMR077C	6.83920337	9.03650947	7.68676654	8.8692963	7.75364043	8.32827319	0.080413724	3.03984617	0.649308072	VPS20
YCR036W	65.9588556	72.8100922	63.6125326	76.5124628	69.8479205	67.5945894	0.080263397	6.11946217	0.381905443	RBK1
YGR210C	158.748432	145.332397	152.827445	172.892149	161.002063	149.005074	0.080216553	7.29238598	0.373314475	YGR210C
YKL045W	51.7543563	44.3767439	49.9337197	52.1514623	50.8873376	51.2608443	0.080179215	5.64884288	0.394434337	PR12
YOR087W	115.54308	99.7469485	111.125223	121.568488	113.698341	109.623317	0.080102538	6.80736615	0.370671496	YVC1
YKL197C	53.1353493	50.0173677	52.1126456	51.7966904	55.7740858	56.5547854	0.079970773	5.73723198	0.366356637	PEX1
YGR022C	1.05218513	0.57557385	1.93682307	1.47821605	1.49860277	0.77472309	0.079828272	0.4248937	0.853316392	YGR022C
YIL172C	5.91854138	6.67665668	7.14203505	7.62759482	7.29754393	5.93954367	0.079812896	2.78654949	0.657427097	IMA3
YJL221C	5.91854138	6.67665668	7.14203505	7.62759482	7.29754393	5.93954367	0.079812892	2.78654949	0.657427097	IMA4
YDR473C	16.7522777	16.5765269	16.6445732	17.6203353	17.3968235	16.7856669	0.079796331	4.08130893	0.53063469	PRP3
YLR064W	93.9075232	83.0553068	96.8411533	95.4927568	91.4147691	102.392568	0.079773858	6.55402812	0.379955172	PER33
YGL125W	53.2011108	42.8226945	49.2679367	50.6141176	51.9950005	50.8089225	0.079624892	5.64067506	0.427180918	MET13
YPL213W	11.639798	13.2381986	11.1972583	14.36826	12.0539788	11.6854066	0.07959391	3.64404916	0.615146898	LEA1
YDR332W	29.5927069	29.7571681	29.4155003	31.3973089	31.9919114	30.4078812	0.079508966	4.93305688	0.428842342	IRC3
YOR380W	26.4361515	27.9728892	28.9312945	29.0912919	28.603766	30.4078812	0.079483307	4.84293975	0.449750727	RDR1
YJR160C	30.5133689	27.5699875	29.2944489	26.6670175	30.8842484	34.7979787	0.079339987	4.90962563	0.50778677	MPH3
YDR532C	9.33814306	11.0510179	11.0156812	11.5300852	12.7055452	8.97387576	0.079299316	3.44646715	0.65332794	KRE28
YIL085C	130.142149	130.54015	119.65935	138.715794	132.007357	131.057322	0.079290605	7.02766276	0.342918592	KTR7
YHR065C	97.6559327	95.7754889	97.7490391	108.087158	103.599061	95.871982	0.079282566	6.64263533	0.344385504	RRP3
YGR145W	100.286396	104.639326	108.462092	113.172221	110.049569	107.88019	0.079244184	6.7487704	0.33139234	ENP2
YKR102W	30.9079383	24.807233	29.5970775	25.6618306	31.7312848	32.7320504	0.079219707	4.8744791	0.5400347	FL010
YIL059C	4.07721739	3.22321357	3.99469757	4.61203408	3.90939854	3.35713338	0.079117594	1.99486328	0.747390575	YIL059C
YER176W	101.996196	103.660851	113.304149	109.210602	113.502871	114.271655	0.079040552	6.77406236	0.344178242	ECM32
YJL039C	291.652567	254.518757	300.207575	287.306072	303.1087	303.56233	0.079004005	8.18073797	0.405496835	NUP192
YIL136W	44.4548219	36.5489396	41.1574901	47.6576855	42.1563475	39.0589556	0.078988628	5.39087414	0.482179832	OM45
YHR124W	19.9915175	17.9003468	17.7340362	15.6690901	20.9804388	22.1441682	0.078949194	4.26055274	0.600824871	NDT80
YDR456W	221.945302	171.808795	193.440204	211.739667	195.078987	213.177969	0.078804052	7.6532178	0.450899578	NHX1
YPL165C	16.1115849	19.0514945	16.8261504	18.4481363	18.5044864	18.0123118	0.078776445	4.16651333	0.537332219	SET6
YPL159C	38.5362805	44.3767439	33.5312493	45.8246976	39.6152385	37.5095095	0.078605234	5.32338586	0.518265597	PET20
YKL072W	41.5613128	39.5419236	40.31013	44.4647388	42.4821308	41.1894441	0.078563749	5.38244619	0.400014294	STB6
YNL207W	61.3555456	70.2200099	70.6335162	74.3838316	71.6071498	67.5945894	0.078523071	6.11761169	0.38740542	RIO2
YOL158C	144.675456	160.930449	213.474217	168.220987	170.905873	209.046113	0.078452753	7.47574318	0.55993656	ENB1
YBR172C	217.473515	181.938894	223.642538	197.962693	218.796005	241.068001	0.078377504	7.73862018	0.466054353	SMY2
YLR248W	247.460791	237.078869	234.174014	265.724117	248.246807	244.747935	0.078314711	7.94463472	0.377335607	RCK2
YDR320C	61.4213072	65.903206	65.0651499	68.1753242	71.21621	63.7855342	0.078285887	6.04559062	0.366770285	SWA2
YFR043C	10.9821823	15.0224775	13.3761843	13.8361022	13.9435214	13.8804553	0.078274619	3.77031523	0.600345856	IRC6
YBR213W	8.87781207	5.64062374	8.11044659	9.40145408	8.07942364	6.32690521	0.07823947	2.9736888	0.732751702	MET8
YLO83C	28.2774755	32.2896931	29.1128717	31.4564375	30.3629953	32.9257312	0.078198835	4.94802435	0.459205212	SEN54
YGL099W	100.089111	105.2149	110.701543	106.549813	108.616123	118.532632	0.078193218	6.76029787	0.361913676	LGS1
YDR365C	222.011063	186.025469	206.271656	232.612078	202.376531	213.30709	0.078071388	7.71802203	0.429319793	ESF1
YMR028W	11.9028443	15.0224775	14.4656473	14.1908741	15.3769676	14.2032566	0.077970596	3.84057077	0.600278542	TAP42
YIL149C	164.075119	157.937465	158.335286	174.784266	168.299607	163.853933	0.077930722	7.36342812	0.356447154	MLP2
YMR096W	21.5040337	18.3032485	18.5813963	21.641083	20.8501255	19.0452759	0.077850569	4.32935657	0.552461408	SNZ1
YMR198W	26.2388668	27.1095284	28.0839344	30.2738647	29.0598624	26.598826	0.077838882	4.80857022	0.47594949	CIK1
YMR049C	249.565161	241.971247	252.089627	276.130758	259.518906	249.0373473	0.077738738	7.9935061	0.384661765	ERB1
YFR019W	124.683938	123.518149	123.9566676	129.293592	138.262395	129.249635	0.077722521	6.99558655	0.346868643	FAB1
YGR170W	108.703877	106.999179	107.07	115.419109	111.808798	113.367812	0.07769744	6.79029429	0.328981407	PSD2
YLR341W	15.322446	12.0294935	13.9814415	13.4222017	15.4421242	14.7197387	0.077635195	3.83349471	0.614967364	SPO77
YER039C	9.4696662	7.88536176	8.59465235	8.92842494	9.05677327	9.3612373	0.07759305	3.16921892	0.638009205	HVG1
YOR099W	462.895697	371.648036	454.971843	443.169172	447.560976	469.869552	0.07751439	8.78721093	0.451039079	KTR1
YPL185W	1.70980084	0.69068862	1.63419446	0.94605827	0.91219299	2.38872952	0.077414544	0.57496918	0.916455728	YPL185W

YOR112W	79.3084545	72.176961	78.0176541	77.2811351	79.6214168	85.2195396	0.07739046	6.29855531	0.366101736	CEX1
YOR069W	49.649986	49.614466	49.3889882	55.5217948	52.1253138	49.1303558	0.07731218	5.67335491	0.39311504	VPS5
YML069W	122.316522	118.510656	118.993567	135.877619	123.146054	120.46944	0.077208486	6.94656759	0.363977656	POB3
YDR256C	35.8400561	32.57748	35.1654438	34.353741	37.3999127	37.5095095	0.077111699	5.15315686	0.440606418	CTA1
YJL047C	27.882906	30.9658732	25.1181741	28.3817482	30.4933086	29.7622786	0.077017992	4.85252647	0.497557319	RTT101
YDR258C	112.715332	112.812475	106.525269	140.312267	112.460365	97.356868	0.07697157	6.83086763	0.50654797	HSP78
YNL325C	29.8557532	35.3977919	29.8997061	35.3589279	32.1873813	32.8611709	0.076934407	5.03261321	0.485578121	FIG4
YJR121W	1496.33878	1182.05602	1397.29679	1465.56252	1374.74	1458.35165	0.07688679	10.446907	0.464610812	ATP2
YLR345W	40.2460814	45.4703343	38.6759356	45.4107971	44.1762035	41.6413659	0.07675457	5.41739072	0.438399925	YLR345W
YBR053C	79.1111698	85.0698152	80.9228887	101.228235	82.2276825	74.9544587	0.076729288	6.3934362	0.47360179	YBR053C
YDR251W	177.622003	159.894416	179.882442	172.00522	185.305491	188.32227	0.076688995	7.46988142	0.400322462	PAM1
YKL160W	29.72423	37.9303168	28.9312945	39.3205469	34.01117673	28.5356337	0.076677632	5.05431665	0.585247018	ELF1
YGR184C	254.234233	228.905721	257.718519	244.496935	266.686137	270.055556	0.076576143	7.9874873	0.412482142	UBR1
YGR253C	113.241425	130.022133	114.575189	134.754175	126.469043	116.143903	0.076545082	6.93868163	0.408431293	PUP2
YMR161W	52.0831641	51.2260728	50.4179254	48.6037437	55.1225194	58.4270328	0.076324965	5.72126569	0.422648023	HLJ1
YDR274C	4.07721739	4.89237774	3.69206897	4.61203408	4.03971182	4.71289878	0.076186526	2.15942006	0.732666877	YDR274C
YML117W	239.963972	227.524343	229.513533	244.615192	252.156206	237.969108	0.07614931	7.89929479	0.383263891	NAB6
YLR226W	33.9987321	41.1535304	33.591775	38.0788455	37.4650693	39.1880762	0.076126393	5.22418403	0.477115851	BUR2
YGL211W	55.7000505	53.8161551	55.3810345	57.0000109	60.0744242	56.7484661	0.076085506	5.82197335	0.372311381	NCS6
YLR198C	72.4034895	80.6378966	69.362476	114.05915	65.6778954	54.6179776	0.076001924	6.25372228	0.698434477	YLR198C
YGR229C	210.437027	216.415768	217.953121	231.902534	227.787621	219.956796	0.075913422	7.78704389	0.379494985	SMI1
YLR426W	42.5477364	43.3982684	44.3653533	44.4056101	44.8929265	48.0973917	0.075894333	5.48344084	0.404419804	TDA5
YJL014W	294.348791	318.119668	285.439299	330.824752	306.627158	308.856271	0.075739372	8.26445142	0.405674078	CCT3
YGR103W	296.716208	316.795848	304.868056	354.357952	318.420511	295.040376	0.075703296	8.29693631	0.430604712	NOP7
YDL017W	19.0708556	21.066003	22.2734653	24.0062287	19.7424626	22.0150477	0.075654822	4.42628645	0.554371083	CDC7
YKR003W	71.2855428	91.4011276	70.3308876	91.5902665	80.0123567	73.9860548	0.075582919	6.32048386	0.510096979	OSH6
YBR193C	20.2545638	25.9583807	18.3998191	24.6566437	22.7396681	20.7238426	0.075520315	4.47673867	0.604044202	MED8
YHL038C	38.0759495	39.3692514	40.0075014	36.9554013	42.807914	44.0946557	0.07537947	5.33385341	0.456059137	CBP2
YDL213C	44.1260141	43.2831536	48.5416281	53.2749065	43.2640105	46.6125057	0.075356573	5.54384672	0.470718792	NOP6
YLL050C	406.866839	413.952714	380.888361	492.186816	411.920292	361.924802	0.075338858	8.6845064	0.503320208	COF1
YJL140W	43.4683983	49.8446955	47.3311137	49.4315447	50.2357712	48.6138737	0.075299016	5.59352076	0.411365953	RPB4
YLR423C	9.73271249	10.2452146	9.80516677	9.81535457	11.2069425	10.3942014	0.075273957	3.3673551	0.62476308	ATG17
YAL026C	273.436612	233.164967	257.415891	274.29777	266.23004	264.245133	0.075202211	8.03108743	0.421257954	DRS2
YLR390W	9.40390463	11.2812475	10.2288468	11.884857	11.4024124	9.29667705	0.075192334	3.42223074	0.665625081	ECM19
YBR131W	30.184561	30.2751846	29.4155003	29.6234496	30.9494051	34.1523761	0.075180408	4.94872757	0.474281298	CCZ1
YLR017W	155.263069	150.742792	154.643217	151.842353	157.809388	175.66846	0.075158199	7.30171559	0.394856579	MEU1
YKL172W	91.5401066	103.488178	101.622685	114.295665	97.7349634	100.45576	0.075032157	6.6676881	0.415515191	EBP2
YPL128C	105.021229	90.4802094	101.380582	99.2178613	106.92205	106.524424	0.074991873	6.66811702	0.395259744	TBF1
YLR196W	198.994513	189.594027	191.261278	208.487592	198.727759	203.493931	0.07496579	7.6333337	0.386115041	PWP1
YOR192C	14.4675456	12.3172804	15.1919559	12.8309153	15.9633774	15.4299015	0.074810287	3.85511586	0.620136396	THI72
YMR261C	256.009795	214.458817	241.01342	252.893202	258.346087	237.969108	0.074766291	7.92811357	0.436436172	TPS3
YML115C	172.426839	166.62863	174.193024	179.751072	177.16091	183.609372	0.074754236	7.4573575	0.377225052	VAN1
YJL211C	15.0593997	11.8568213	12.8314528	12.4761435	12.3146054	17.0439079	0.074717903	3.77599303	0.670790532	YJL211C
YGL017W	45.3097223	39.1390219	44.9706106	47.9533287	46.0005894	42.224083	0.074691993	5.47195448	0.462005699	ATE1
YER048C	82.9911024	88.0627993	85.6438949	99.6317618	85.8112979	84.832178	0.074674376	6.45888742	0.408060199	CAJ1
YLR330W	238.056887	226.258081	215.895246	253.129716	241.665986	221.441682	0.074650021	7.86334292	0.422554723	CHS5
YDR520C	28.0144292	32.2321357	26.6918429	31.2790516	30.6236219	29.6977183	0.074608286	4.90152959	0.500263951	URC2
YLR045C	86.4764657	75.8606336	82.1334031	89.9346645	87.7659971	79.6027972	0.074597055	6.3879391	0.405494064	STU2
YPR050C	8.02291165	10.014985	9.26043528	10.1701264	7.29754393	11.298045	0.074547447	3.24520113	0.700211476	YPR050C
YIL140W	173.150216	144.641709	166.324681	161.362064	168.364764	179.993997	0.074547087	7.37279311	0.43593795	AXL2
YJL121C	202.808685	152.98753	196.829644	181.99796	192.146938	207.690348	0.074511674	7.56354598	0.508007817	RPE1
YNL064C	519.910979	572.177966	555.989271	631.139125	553.570833	550.634434	0.074448256	9.1396643	0.43824267	YDJ1
YMR097C	15.0593997	18.533478	15.3130074	20.2811242	16.7452571	14.4614976	0.074445412	4.07727344	0.651608575	MTG1
YDR310C	144.806979	137.56215	145.019627	153.852727	150.837627	145.260579	0.074435715	7.19321678	0.36726826	SUM1
YOL21C	217.539276	207.667046	228.42407	220.372449	238.733937	229.059793	0.074242993	7.80572062	0.407048191	DIS3
YGR006W	11.0479439	9.38185378	9.50253816	10.5248983	9.7083397	11.2334848	0.074236468	3.37124789	0.653465992	PRP18
YLR215C	23.6084039	29.8147255	23.6655568	28.6182627	26.1929702	26.4051452	0.074234026	4.72932229	0.550748645	CDC123
YAL012W	800.647125	614.540201	749.853155	714.392253	796.865735	767.8797	0.074145294	9.53291922	0.500078892	CYS3
YBR275C	133.890558	132.900002	141.690712	137.887993	145.168999	147.003706	0.074109067	7.12798597	0.371773537	RIF1
YCL047C	22.0301262	28.0304466	23.4839797	27.908719	25.6717171	23.8872952	0.074045545	4.66179549	0.559825389	POF1
YLR103C	31.6970772	30.7356437	27.539203	37.3101731	28.9947058	28.2773927	0.073792432	4.94930895	0.56691481	CDC45
YMR315W	168.875714	163.865875	151.677456	184.481363	167.713197	157.527028	0.073760251	7.37345112	0.429040712	YMR315W
YJL142C	5.52397195	6.9644436	6.53677785	5.38070642	6.51566423	8.19915267	0.073742588	2.73147368	0.715725132	IRC9
YLL005C	48.7950856	44.4918587	47.8153194	53.511421	43.9155769	50.938043	0.073603963	5.59602104	0.468109887	SPO75
YMR068W	13.3495989	13.6411003	15.0709045	15.0186751	14.4647746	14.7842989	0.073558162	3.85937804	0.587601511	AVO2
YAL036C	155.065784	149.879431	149.559056	167.156671	151.814976	159.205594	0.073517748	7.28143145	0.384419193	RBG1
YGR186W	160.32671	143.720791	157.245823	171.295676	161.718786	152.233087	0.07342878	7.30265308	0.41203051	TFG1
YGL212W	18.939324	15.5980514	16.7656247	16.7656247	17.7877633	17.2375887	0.073334382	4.14129141	0.585687398	VAM7
YHR186C	131.917711	138.598183	134.79078	134.399403	149.078397	143.06553	0.073314784	7.11645	0.381839947	KOG1
YHR194W	51.6228331	44.837203	51.2047598	54.6939939	51.1479642	49.3885968	0.07330752	5.66108811	0.448787923	MDM31
YMR200W	74.3763367	73.0978791	74.0834823	69.8309262	72.7148128	90.5780409	0.073037426	6.24584505	0.474244091	ROT1
YGR078C	56.2261431	53.2981386	52.5363256	68.2935815	52.5814103	49.4531571	0.073017082	5.7953731	0.534334702	PAC10
YBL046W	29.9215147	31.080988	31.8365291	40.2666052	32.7737911	24.5328978	0.072758811	4.9946937	0.631364489	PSY4

YMR123W	49.5842244	43.5709406	44.5469305	56.3495958	45.2838664	42.9971313	0.072499333	5.56024713	0.52921436	PKR1
YPR141C	29.4611837	34.3617589	31.5944263	34.2354837	34.2072372	31.9573273	0.072435855	5.03431521	0.491163254	KAR3
YOR127W	113.504471	115.690344	115.543601	126.003136	126.012946	110.39804	0.072223196	6.88247183	0.401731378	RGA1
YNR068C	6.57615709	7.94291915	7.5657151	8.63278173	7.49301386	7.1016283	0.072203197	2.94286186	0.676407059	YNR068C
YOL101C	25.9100589	23.4834131	29.5970775	23.2375563	28.0825128	31.7636466	0.072041818	4.76104672	0.601159369	IZH4
YNL224C	46.6907153	42.9378093	50.5389769	50.4367316	50.2357712	46.6125057	0.072026022	5.58582329	0.456370184	SQS1
YDR490C	60.8294531	61.125943	63.4309554	68.4709674	63.2670996	63.0753713	0.071925027	5.98857233	0.400325901	PKH1
YNL328C	4.14297896	4.54703343	3.99469757	3.90249037	4.88674817	4.58377827	0.071853515	2.15792195	0.753413393	MDJ2
YNR010W	3.94569425	7.42490268	4.59995478	5.49896371	6.18988101	5.16482058	0.071829993	2.48885713	0.770150522	CSE2
YBR063C	26.8964825	33.5559555	29.052346	33.4076827	32.2525379	28.4710735	0.07178294	4.94242364	0.543791356	YBR063C
YPR089W	123.763276	130.194805	123.230368	131.029071	131.290634	134.156215	0.071757749	7.01198999	0.375022747	YPR089W
YGR101W	47.0852847	38.9087924	43.578519	43.3412946	45.0883964	47.6454699	0.071453241	5.47178982	0.482995063	PCP1
YOR062C	7.69410379	10.3603293	8.65517807	9.63796865	8.92645999	9.55491807	0.071434669	3.21349231	0.682023681	YOR062C
YPR199W	177.819288	146.886447	173.164087	167.807086	173.642452	181.608004	0.071425957	7.411157593	0.458894433	PMT6
YBL039C	329.399708	361.345264	352.320221	352.347578	362.596714	381.163759	0.071423672	8.47838141	0.427651951	URA7
YHL007C	182.685644	179.521484	185.632386	187.319538	198.727759	189.613476	0.071417462	7.54972482	0.406374147	STE20
YHR063W-A	105.284275	117.417066	123.04879	133.453345	111.352702	118.468072	0.071367788	6.88647869	0.45695704	YHR063W-A
YPL153C	38.8650884	32.6925948	37.6469983	40.0300906	37.2695994	37.3158287	0.071342483	5.22569224	0.498229612	RAD53
YNL074C	111.663147	95.0272429	108.522617	91.176366	112.330051	127.700189	0.071255774	6.75257449	0.538329323	MLF3
YKL049C	9.53542778	10.4178867	9.19990956	10.4657696	10.8160206	9.3312373	0.071211005	3.3353282	0.653293261	CSE4
YOL038W	152.632606	140.152233	138.846004	171.473062	149.925434	131.896606	0.071140946	7.2057099	0.487187877	PRE6
YOR118W	70.8909734	75.918191	64.6414698	77.1037492	72.845126	72.1783676	0.071085671	6.17777439	0.427026216	RTC5
YBL020W	139.480292	117.704853	139.995992	121.03633	140.282251	155.913021	0.071017415	7.08566324	0.508100254	RFT1
YJL016W	71.7458738	65.8456486	69.5440532	76.3350768	69.0008842	72.1138074	0.07095055	6.14742085	0.412786225	YJL016W
YML088W	59.3826985	63.8886975	62.8862239	68.4709674	65.4172688	61.6550457	0.070882698	5.99433874	0.41486218	UFO1
YPL235W	152.895652	155.40494	154.764268	167.747957	153.899989	164.628656	0.070646004	7.30698095	0.40006401	RVB2
YHR143W-A	1.44675456	2.24473802	1.39209158	1.24170148	2.28048248	1.87224746	0.070628035	0.90230797	0.82366298	RPC10
YDR097C	102.061958	99.6318337	101.138479	113.113092	107.8994	96.9049462	0.070516433	6.69467211	0.416406962	MSH6
YKR030W	55.5685274	50.6504989	59.617835	53.0975205	58.7061347	62.3652085	0.070492821	5.82719043	0.472946191	GMH1
YPR011C	31.8943619	32.7501521	30.2628604	31.2790516	35.3800567	33.0548517	0.070440292	5.02474107	0.495729936	YPR011C
YOL055C	26.3046283	29.6996107	27.539203	31.9294667	28.408267	27.3735491	0.07024057	4.84202111	0.535235987	THI20
YFL009W	132.772612	117.99264	125.530345	133.180177	144.292175	147.322175	0.070224427	7.00744852	0.462497995	CDC4
YER179W	5.39244881	4.89237774	5.32626343	5.85373556	4.69127824	5.81042315	0.070180544	2.44671083	0.74109622	DMC1
YCR017C	520.502833	404.340631	472.040096	491.418144	481.312116	493.563167	0.07010113	8.89874592	0.49843571	CWH43
YOR023C	93.2499075	95.7179315	101.864788	87.5695188	105.879544	111.947486	0.069854411	6.63634031	0.481792746	AHC1
YDR263C	19.925756	18.9363797	19.5498078	20.9906679	19.7424626	20.5301618	0.069844859	4.32679452	0.56457744	DIN7
YOR053W	7.16801122	4.48947604	5.38678915	9.57884001	5.47315795	2.77609106	0.069614644	2.57247268	0.86309878	YOR053W
YKL165C	218.591462	181.82378	217.832069	203.402529	211.889401	233.38533	0.069431028	7.72284685	0.495108379	MCD4
YOR037W	15.5197307	17.6701172	15.9787903	15.5508328	18.3741731	17.7540707	0.069410786	4.081415	0.604946343	CYC2
YHR039C	357.808707	293.657779	356.496495	329.583051	360.446545	367.541545	0.069379422	8.42775226	0.499069637	MSC7
YMR133W	21.5697952	19.6270683	20.8813737	22.5280126	21.1107521	21.4340054	0.069368992	4.41358066	0.56037217	REC114
YHR082C	240.29278	231.78359	231.631933	242.250046	250.853073	245.199857	0.069260275	7.90960108	0.422165524	KSP1
YDR001C	165.587635	166.168171	156.337937	180.815387	163.347702	167.856669	0.069233906	7.38209346	0.428274674	NTH1
YML019W	100.154872	91.6889145	104.406868	93.6006403	102.817181	114.400776	0.069091945	6.66225952	0.469009145	OST6
YDR442W	4.01145582	2.41741018	3.38944036	4.0798763	4.10486846	2.06592823	0.069050865	1.79158853	0.852522021	YDR442W
YDR028C	176.175248	175.550025	176.916682	179.573686	194.753204	180.252238	0.069013655	7.497087	0.424858652	REG1
YOR097C	15.3882076	15.4253792	17.1893047	16.2603766	16.8755703	17.2375887	0.068867679	4.04587186	0.600860356	YOR097C
YDR156W	60.6321683	47.4272854	54.836303	50.0228311	55.8392424	64.9476188	0.068762094	5.79984258	0.558117609	RPA14
YLR316C	33.4726396	32.57748	30.8075919	36.7780153	31.144875	33.5713338	0.06866723	5.0525411	0.525313708	TAD3
YAR019C	60.6979299	55.3126471	58.1652177	54.2800934	64.3096059	64.1083355	0.068626784	5.89680057	0.473327334	CDC15
YBR102C	60.3691221	55.9457784	53.8678915	60.6659867	57.728785	59.976479	0.068552549	5.86318622	0.438766521	EXO84
YKR029C	38.7335652	41.4988747	39.7048728	41.6856926	44.5671433	39.5754377	0.068535888	5.36058189	0.475318901	SET3
YLR392C	19.0708556	23.5985279	19.8524364	23.8288427	20.2637157	21.4985657	0.068494624	4.42594323	0.601327263	ART10
YAR002C-A	334.529111	239.26605	285.015619	337.979318	281.737321	280.643438	0.068476687	8.196254	0.579620127	ERP1
YKL139W	30.5791305	33.7286277	31.5944263	29.7417069	32.4480078	38.4779133	0.068464063	5.03911821	0.55772755	CTK1
YDL222C	9.33814306	8.74872254	11.3788355	9.57884001	10.4602194	10.8461232	0.068459133	3.34769583	0.689787814	FMP45
YDL146W	41.1667434	39.0239071	42.065376	42.0995931	44.43683	41.6413659	0.068382671	5.38735376	0.465304506	LDB17
YGR122W	20.583717	24.9223478	22.5760939	24.3018719	23.4563912	23.6936144	0.068290758	4.54791263	0.565946856	YGR122W
YLR209C	76.4807069	64.8671731	70.6335162	79.8236667	71.0858967	71.1454035	0.06818266	6.17905839	0.469330151	PNP1
YMR010W	125.670362	110.390565	125.227716	114.709566	126.534199	137.513348	0.068097885	6.94771166	0.473082509	YMR010W
YPL003W	44.1917756	43.7436127	42.1259017	49.7863166	44.6974566	41.7704864	0.068044377	5.47625801	0.492480859	ULA1
YIL103W	48.1374699	56.1184505	49.7521425	56.2904672	49.5587599	51.6482058	0.067968489	5.72031923	0.472629306	DPH1
YNL271C	260.021251	219.754096	260.079022	259.101709	259.584063	256.756143	0.067958767	7.98104699	0.478095858	BNH1
YPR005C	11.9686059	11.1085753	11.3788355	12.4170148	10.9463159	12.7183707	0.067929203	3.5701878	0.650993466	HAL1
YCL033C	32.3546929	31.1385454	30.565489	32.7572677	30.4933086	35.3144607	0.067912972	5.01002883	0.51964136	MXR2
YHR031C	56.5549509	53.2405813	58.1652177	58.300841	58.4455081	59.2663162	0.067823039	5.84414396	0.430995484	RRM3
YOR073W-A	2.23589341	1.95695109	2.36050311	2.01037383	2.67142233	2.19504875	0.067798481	1.2363554	0.83265144	YOR073W-A
YEL015W	80.6236859	82.1343886	75.9597796	86.0321741	80.4684532	83.6700934	0.067794101	6.3506274	0.41362489	EDC3
YHL011C	189.853655	188.212649	194.650718	201.806055	200.486988	197.941749	0.067729181	7.61186674	0.428324864	PRS3
YPR135W	77.4671305	76.2635353	66.0940871	84.2583149	76.493898	69.5313971	0.067698203	6.23164047	0.495368963	CTF4
YEL008W	0.98642356	0.97847555	1.1499887	1.1234442	1.10766292	1.03296412	0.06756033	0.24774558	0.865508553	YEL008W
YHR088W	44.2575372	42.9378093	41.4601187	42.7500082	45.2187097	46.8707468	0.06753596	5.46040937	0.465074207	RPF1
YLR180W	737.844825	592.150378	751.305772	744.666117	730.340803	705.837293	0.06747658	9.47262165	0.52529376	SAM1

YMR110C	89.5014979	98.7684729	100.472697	99.927405	101.383735	101.359604	0.067468772	6.62494679	0.419826357	HFD1
YIL024C	8.61476578	8.17314869	9.0183324	8.69191038	8.86130335	9.49035782	0.06744053	3.1581786	0.676643172	YIL024C
YGL207W	399.501543	381.432791	386.638304	427.795725	399.93147	395.625257	0.067427465	8.63883695	0.448105663	SPT16
YML061C	77.8616999	70.7380263	71.2992991	78.5228366	77.4712477	74.3088561	0.067383715	6.23169429	0.427470663	PIF1
YDL037C	72.1404432	60.2625822	83.8281233	50.1410884	82.2276825	94.2579756	0.067362462	6.20721661	0.708809331	BSC1
YJR062C	45.8358149	43.9738422	45.6363935	49.0767729	46.6521559	46.0960237	0.067064804	5.53402508	0.456473818	NTA1
YJR084W	25.6470126	30.6780863	27.2365744	29.6825783	30.4281519	27.5026696	0.067056912	4.8411568	0.552863982	YJR084W
YPL167C	39.9830351	44.7220883	40.1890786	42.8091368	47.6295055	40.4792813	0.067020197	5.41824874	0.504949462	REV3
YPR148C	80.5579243	84.3215692	79.5307971	89.9937931	85.6809846	80.31296	0.066902679	6.38422595	0.428967306	YPR148C
YGR154C	13.8756915	13.6986577	13.9209158	15.0186751	16.0936906	12.3310091	0.066556865	3.83593051	0.664487573	GTO1
YBR243C	167.428959	124.784411	146.653821	162.012479	149.013241	148.359471	0.066533593	7.22702574	0.532037382	ALG7
YJL103C	21.0437027	20.9508882	20.3971679	20.1037383	23.130608	22.1441682	0.066493499	4.42016885	0.575653743	GSM1
YBR155W	35.708533	37.0093986	39.3417185	39.970962	39.159142	38.2196723	0.066366933	5.26161795	0.548915182	CNS1
YFL001W	42.9423058	51.6865319	39.5838214	46.8298845	47.1082524	46.677066	0.066330779	5.52162143	0.535844711	DEG1
YBR141C	23.0165498	19.9724126	20.6392708	22.5871412	20.5243423	23.4353734	0.066305401	4.446977	0.595192668	BMT2
YMR128W	170.980084	155.635169	156.882668	169.876588	172.534789	163.724812	0.066258457	7.36678367	0.445281999	ECM16
YJL049W	16.243108	18.8788223	15.8577388	19.4533232	17.6574501	16.2691848	0.066203591	4.13184432	0.632505778	YJL049W
YIL173W	58.2647518	64.6369435	45.4548163	65.1597635	59.6834843	51.3899648	0.066184025	5.84722285	0.604648551	VTH1
YLR328W	74.9024292	79.3140767	69.3019503	70.1856981	78.5789106	85.3486601	0.066123038	6.25523495	0.488727697	NMA1
YIL107C	42.0216438	49.7871381	37.9496269	46.0612121	46.7824691	43.0616916	0.066083038	5.47284403	0.549161806	PKF26
YML011C	6.57615709	9.15162424	8.17097231	8.10062396	7.75364043	9.23211679	0.066023019	3.05303077	0.726649193	RAD33
YDL117W	104.23209	118.913558	110.943646	116.365167	115.392413	118.080711	0.065992274	6.83440497	0.432874209	CYK3
YLR398C	186.828623	176.701172	179.700865	199.086138	187.911756	181.543443	0.065940117	7.53463714	0.4537117	SKI2
YDL223C	52.1489257	46.3912524	51.6284398	51.0280181	53.4284467	52.6811699	0.065906178	5.68169794	0.472531136	HBT1
YKL124W	25.3839664	27.800217	25.8444828	29.9782215	24.8246807	27.8900311	0.065860307	4.75970014	0.573540252	SSH4
YDR452W	268.701779	236.560853	242.829192	284.231382	247.464927	251.07484	0.065673476	7.99585177	0.499390214	PPN1
YNL118C	201.427692	191.781207	188.477095	197.726179	209.152822	201.879924	0.065666244	7.63314842	0.451909073	DCP2
YGL228W	144.41241	125.24487	126.377705	146.343389	138.718491	129.249635	0.06565677	7.07866714	0.477086181	SHE10
YDL190C	191.234648	166.110614	180.003494	191.990701	184.653924	185.546179	0.06552158	7.51861237	0.469672625	UFD2
YJL059W	41.6928359	34.2466442	32.1996835	35.7136998	38.1817924	39.1880762	0.065462385	5.2083135	0.571732521	YHC3
YNL056W	18.544763	22.0444785	15.8577388	20.813282	19.6121493	18.6579143	0.065327346	4.27729402	0.654929751	OCA2
YGL197W	162.694126	152.181726	160.937892	157.932603	169.2118	170.63276	0.065095921	7.34319529	0.448031164	MDS3
YPR087W	7.69410379	8.74872254	9.07885812	8.33713852	8.60067678	9.8131591	0.065081264	3.14358401	0.700958651	VPS69
YML057C-A	11.9028443	12.4899526	12.8919785	9.57884001	13.3571117	16.1400643	0.065081129	3.68175975	0.731538741	YML057C-A
YNL275W	50.7021711	44.9523178	54.6547259	45.1151539	51.6692173	60.4929611	0.065024173	5.68272999	0.579598954	BOR1
YPL123C	19.8599944	21.5840194	20.155065	22.3506267	21.9577884	20.1428003	0.064983809	4.4018106	0.5863736	RNY1
YAL010C	20.4518485	24.4618887	20.4576936	20.9906679	25.4110905	22.079608	0.064862759	4.48757418	0.615471967	MDM10
YIL230C	20.5833717	19.3392814	20.155065	20.1037383	20.2637157	22.4669695	0.064828305	4.36462336	0.591810799	ELA1
YJR046W	120.212152	104.754441	115.543601	122.100646	119.301812	114.594457	0.064709599	6.86045241	0.454758535	TAH11
YIL022W	150.593997	141.76384	153.856382	150.718908	152.922639	163.01465	0.064653346	7.25038748	0.445406059	TIM44
YNR033W	112.320763	98.5958007	113.848881	114.000022	110.114725	115.43374	0.064635612	6.79224191	0.460326342	ABZ1
YDR362C	49.7815091	52.5498926	52.1126456	54.1618361	53.1678201	54.2306161	0.064633967	5.72230555	0.453483238	TFC6
YOR236W	23.2138345	28.3182335	19.3682307	27.1991753	23.5215479	23.4353734	0.064569417	4.60396796	0.658854489	DFR1
YPR136C	8.61476578	6.61909929	7.44466366	7.27282297	9.77349634	6.6497065	0.064516823	2.9698499	0.751189686	YPR136C
YLR001C	82.4650099	78.8536176	79.8939514	79.3506376	86.4628643	86.4461845	0.064452316	6.36382173	0.437066587	YLR001C
YKR043C	215.434906	207.78216	205.484822	232.198177	213.192533	211.822204	0.064185181	7.74445989	0.470026495	SHB17
YLR106C	371.421352	338.149638	372.051606	373.57476	399.214747	357.922066	0.064089324	8.5268325	0.489007805	MDN1
YNR001C	235.68947	225.452278	215.653143	252.774945	241.991769	212.661487	0.064054764	7.85067788	0.505238129	CIT1
YAL041W	144.478171	144.641709	143.14333	143.978243	153.965146	153.976214	0.063986845	7.20437739	0.435877695	CDC24
YMR106C	26.6991978	23.8287574	27.1760486	26.3713743	30.0372121	24.7911388	0.06384377	4.73315194	0.596059091	YKU80
YNL049C	138.296584	134.511609	133.51974	134.695047	143.2143	146.810025	0.063767923	7.11500676	0.441273749	SFB2
YGR190C	29.5927069	20.4328717	29.5970775	24.4201292	28.9947058	29.7622786	0.063718183	4.76677619	0.674865986	YGR190C
YJL166W	16.703439	27.3397579	19.3077049	23.1784277	20.9152822	22.2087285	0.063700899	4.44397289	0.699201211	QCR8
YBR229C	275.86979	217.451801	257.052736	243.255233	261.082666	279.804155	0.063637583	7.99914237	0.548832915	ROT2
YOR191W	165.653397	160.757777	161.6642	170.349618	171.622596	168.05035	0.063534879	7.37910826	0.445269982	ULS1
YMR190C	75.1654755	72.63742	79.1071171	80.1193099	78.2531274	78.6989536	0.063412735	6.27523027	0.441367005	SGS1
YHR070W	80.2291165	74.1914694	86.7333579	77.3402637	85.7461412	88.8994743	0.063180928	6.36280053	0.494116002	TRM5
YJL151C	86.8710351	71.0833706	83.0412889	76.8672346	84.5733217	90.2552397	0.062947284	6.36130305	0.525376053	SNA3
YER029C	16.3746311	18.4183632	19.4892821	23.1784277	18.765113	14.7197387	0.062782975	4.22031326	0.710500136	SMB1
YBR187W	233.716623	192.932355	234.113488	227.7044	226.875428	235.451258	0.062729476	7.81531394	0.524964273	GDT1
YEL073C	1.38099299	1.49649201	1.69472018	1.41908741	2.15016919	1.22664489	0.06272333	0.75137277	0.898464205	YEL073C
YLR449W	198.534182	196.673585	201.671702	228.413944	202.246218	192.647808	0.06271751	7.66886583	0.503099408	FFR4
YBL047C	595.865594	492.691217	591.638921	528.432674	602.764098	623.522965	0.062628544	9.16133789	0.556834742	EDE1
YPR057W	35.708533	38.6210054	34.0759808	42.454365	36.0967798	34.6042979	0.062499153	5.21202349	0.573359396	BRR1
YKR028W	265.545223	220.099441	263.65004	274.475156	256.391387	251.397642	0.06238146	7.99646742	0.532693217	SAP190
YCR105W	8.28595793	8.69116516	10.2288468	7.39108025	10.555376	10.5233219	0.062161431	3.23122235	0.742453787	ADH7
YIR033W	171.045846	183.838288	173.890396	171.768705	189.345202	191.033801	0.062091622	7.49404052	0.486844591	MG2A
YPL258C	19.8599944	24.3467739	21.4261052	23.2375563	24.4988975	20.8529631	0.062057519	4.49222561	0.62404836	THI21
YOL098C	268.899063	256.705938	269.278932	270.572666	283.170767	276.05966	0.06203747	8.08159846	0.475864915	YOL098C
YER134C	20.4518485	27.4548727	21.3655794	24.774901	25.8020303	21.821367	0.062033064	4.5700747	0.653236992	YER134C
YAL035W	1110.18684	907.910193	1002.24541	1220.65169	1010.05827	922.049594	0.061982141	10.0069908	0.602111903	FUN12
YDR330W	39.7199888	42.1320059	37.1022668	44.1690956	41.0486846	38.9298351	0.061943164	5.34513939	0.538269544	UBX5
YJR125C	82.596533	92.0918162	87.8228209	91.826781	90.8283593	91.4173243	0.061705665	6.48480744	0.455259526	ENT3

YHL035C	110.479439	114.366524	135.396037	119.3216	117.02133	139.708397	0.061702073	6.94061482	0.548715848	VMR1
YDR107C	79.6372623	63.5433532	80.3781572	76.0985623	74.669512	82.4434485	0.061599003	6.252353	0.547634459	TMN2
YOR109W	223.063248	219.523867	222.310972	236.987597	225.637452	231.190281	0.061500157	7.82384976	0.474830085	INP53
YGR207C	48.4005162	59.1114345	51.4468627	61.6711736	52.3207837	51.9064468	0.061457623	5.76265522	0.564668699	CIR1
YER022W	37.089526	44.088957	38.373307	42.5726222	43.0685405	39.1880762	0.061384758	5.35282253	0.549443796	SRB4
YOR190W	12.9550295	11.6841492	16.2814189	12.1213716	14.5950879	16.0109438	0.061232726	3.81250306	0.732631225	SPR1
YDR254W	34.5905863	36.5489396	30.7470662	36.8962726	34.1420805	35.2499005	0.061193435	5.12202839	0.562117802	CHL4
YDR054C	66.8795176	75.9757484	68.8177445	71.9595573	75.7120183	73.275892	0.06104716	6.17456321	0.478089462	CDC34
YNL132W	304.476073	294.751369	293.791849	311.489686	312.882196	307.177704	0.06098821	8.24894145	0.479764344	KRE33
YGL242C	34.3933016	37.1245134	30.141809	42.5134936	35.1845868	28.2773927	0.060836139	5.11897882	0.670013168	YGL242C
YER080W	165.78492	157.937465	159.848429	181.879703	164.715992	157.656148	0.060751915	7.36425854	0.498410282	AIM9
YJR118C	76.4149453	69.644436	71.4203505	81.9522978	76.0378015	68.6921137	0.060704427	6.21238055	0.5133238	ILM1
YGR235C	27.7513829	34.1890868	30.0207575	31.1016657	32.8389477	32.0864479	0.060592862	4.97564767	0.580623976	MIC26
YLR250W	65.6300477	71.8316167	64.0967383	76.63072	66.850715	66.6907458	0.06058708	6.10349994	0.516945953	SSP120
YHR081W	8.61476578	12.4323952	9.74464105	12.4170148	10.1644362	9.55491807	0.060468993	3.41128569	0.757150338	LRP1
YBR142W	120.475198	123.690821	119.65935	124.879692	128.944995	125.5697	0.060301589	6.95410271	0.451983664	MAK5
YJL083W	42.5477364	38.2756611	36.9206897	44.6421247	40.5925881	37.380389	0.060008028	5.32848479	0.577588146	TAX4
YKL050C	26.2388668	23.5985279	22.757671	27.3174326	24.2382709	24.0164157	0.059930933	4.63323467	0.62136123	YKL050C
YHR119W	123.105661	109.646819	120.385659	126.239651	122.299018	119.436476	0.059845785	6.91051687	0.482681927	SET1
YOL103W	212.804443	191.090519	212.929486	211.089252	210.390798	221.377122	0.059766626	7.71465341	0.507989798	ITR2
YOL124C	83.4514334	97.5597678	95.6911646	96.7344583	95.5196376	96.2593436	0.059699342	6.5597664	0.494496559	TRM11
YPR146C	6.3131108	5.58306636	4.84205766	4.49377679	6.71113415	6.26234495	0.059685189	2.53756398	0.800518455	YPR146C
YHL013C	26.9622441	28.2606761	27.2365744	30.0373501	26.1278135	29.7622786	0.05967045	4.81736505	0.58971228	OTU2
YBR077C	15.2566844	15.5980514	15.615636	17.2064348	16.6801004	14.5260579	0.059610452	3.99480781	0.659490084	SLM4
YIL033C	146.253734	129.619231	146.714347	140.312267	153.834832	146.099862	0.059170416	7.16905796	0.504261162	BCY1
YDR127W	374.775192	308.450027	367.451651	366.893224	372.370211	355.145975	0.058977702	8.48229118	0.5500784	ARO1
YNL047C	66.813756	70.2200099	65.4283042	70.8952418	71.4116799	68.6275535	0.058938158	6.10905271	0.480419889	SLM2
YGR049W	21.5697952	21.7566916	21.4261052	23.7697141	22.0881017	21.5631259	0.058924984	4.46967631	0.614126439	SCM4
YKR081C	70.2991193	70.5077968	69.6651046	71.9595573	73.2360659	74.0506151	0.058789542	6.16470754	0.46650344	RPF2
YJR098C	15.2566844	19.281724	16.5235218	16.2603766	18.3090165	18.7224746	0.058788301	4.13100637	0.673804347	YJR098C
YOR059C	26.4361515	32.57748	28.2655116	30.9242798	29.8471422	30.2142004	0.058566344	4.89954659	0.599928228	LPL1
YOL033W	26.7649593	31.3687749	26.87342	31.3973089	29.7114289	27.4381093	0.058334646	4.86114035	0.611254372	MSE1
YOL061W	352.745066	290.146778	336.038802	323.138029	335.621864	360.439916	0.0582606	8.37991036	0.560564608	PRS5
YGR211W	162.233795	184.068518	173.103561	185.959579	177.812477	177.088786	0.058225302	7.46635683	0.513787803	ZPR1
YFR038W	102.259243	99.4016041	98.9595535	101.346492	108.941906	102.715369	0.058186748	6.67788083	0.473209644	IRC5
YDR190C	154.47393	154.944481	156.337937	176.617254	154.486399	153.717973	0.058145436	7.30891045	0.513327413	RVB1
YHL020C	53.4641571	55.1975324	61.8572867	59.7199284	58.0545683	59.7827982	0.058109165	5.86145692	0.520666363	OPI1
YFL038C	160.984325	166.455958	157.00372	189.566426	170.058836	144.614976	0.057995853	7.3656121	0.574008962	YPT1
YDR103W	108.506592	112.064229	108.34104	110.688818	115.131787	116.595825	0.057778692	6.80746884	0.472163997	STE5
YJL194W	34.6563478	34.1315294	33.168095	35.5363138	35.8361532	34.7334184	0.05777654	5.1209304	0.549529157	CDC6
YER110C	762.505414	622.252891	770.068746	722.256362	770.998548	749.415466	0.057690287	9.51770643	0.578290257	KAP123
YPR175W	46.6249537	46.2761377	43.8811476	47.066399	50.0403013	45.2567403	0.05768392	5.5436092	0.52989143	DPB2
YLL003W	50.7679327	57.7876147	55.3205088	56.2313386	59.8137976	54.6179776	0.057606539	5.80443022	0.526117778	SFI1
YBR267W	72.9953437	74.421699	76.9887169	74.5612176	81.1200196	77.9242305	0.057489599	6.25652481	0.486453517	REI1
YPL207W	273.568135	245.42469	264.315823	282.694037	266.751293	265.536338	0.057387864	8.05799035	0.527894964	TYW1
YHR099W	256.798934	243.813083	251.726473	232.316434	277.436983	273.154448	0.057344135	7.99988031	0.553099495	TRA1
YIL150C	24.3975428	23.5985279	22.0918881	23.119299	25.9975003	23.8227349	0.057293783	4.58208396	0.62293503	MCM10
YDL218W	7.62834222	6.90688622	8.41307519	8.1597526	7.49301386	8.19915267	0.057143653	2.98583396	0.743435967	YDL218W
YIL039W	216.158283	206.515898	208.390057	223.151495	210.716581	222.603767	0.057080672	7.74624494	0.511653156	TED1
YDR301W	142.176516	134.972068	138.906529	135.40459	149.208711	148.16579	0.056764873	7.14550321	0.502184328	CFT1
YGR288W	12.4289369	12.0294935	14.2840701	12.9491726	12.1191355	15.2362207	0.056718438	3.73281035	0.720135457	MAL13
YGL097W	157.433201	154.484022	158.69844	169.403559	161.653629	158.366311	0.056696303	7.32311367	0.499151228	SRM1
YNR065C	78.7823619	69.8171082	69.6651046	73.9699312	80.5987665	72.3720484	0.056686624	6.21547399	0.53111714	YNR065C
YER129W	151.580421	138.655741	152.282714	145.042559	161.327846	153.847093	0.056578599	7.23424179	0.516389311	SAK1
YDR018C	6.18158766	7.13711576	7.02098361	6.85892247	7.42785722	6.90794753	0.056524671	2.8174854	0.736207861	YDR018C
YDR480W	18.8735708	18.9363797	20.820848	19.6898378	18.569643	22.7252106	0.056354157	4.32608298	0.66822399	DIG2
YGL037C	135.600359	160.930449	134.427626	144.865173	150.77247	152.620448	0.056338399	7.19640327	0.543863659	PNC1
YJL163C	33.9329706	27.8577744	28.7497174	30.7468938	31.8615981	31.4408453	0.056232715	4.94817219	0.620344567	YJL163C
YPR014C	0.65761571	1.66916417	0.90788581	1.00518691	1.62891606	0.77472309	0.056186703	0.30789333	0.887264913	YPR014C
YOR137C	58.5277981	57.2120408	66.6993443	59.956443	61.7033402	68.0465112	0.056005062	5.95748578	0.555233259	SIA1
YKL121W	40.7064124	41.6139895	41.1574901	39.2022897	43.524637	45.7086621	0.055835315	5.39577624	0.564634193	DGR2
YPL260W	96.6695092	104.466654	92.7254043	108.264544	99.3638795	97.8087898	0.055806864	6.644107	0.521995087	YPL260W
YOR297C	32.1574082	27.5699875	31.5339005	28.4408768	33.685984	32.7320504	0.055783073	4.95989523	0.627450755	TIM18
YDR144C	162.299557	142.914987	154.280062	152.965797	159.764087	164.822337	0.055781499	7.28800711	0.524887608	MKG7
YNL329C	99.8918261	91.8615867	96.3569475	92.9502252	105.74923	100.778562	0.055770821	6.61527975	0.519451739	PEX6
YJL062W	181.962267	151.088136	168.32203	155.153557	177.16091	188.774192	0.055711494	7.41367084	0.588597362	LAS21
YML023C	94.8939468	76.8391092	96.1148446	91.1172373	86.9189608	100.26208	0.055710302	6.50987016	0.587508269	NSE5
YDR383C	8.02291165	10.2452146	9.0183324	10.1701264	8.34005021	9.87771936	0.055685118	3.2354868	0.745151913	NKP1
YGR290W	1.18370828	0.57557385	1.69472018	1.41908741	1.17281956	0.96840386	0.055674297	0.36850892	1	YGR290W
YLL010C	109.624539	102.56726	112.759418	104.894211	117.412269	115.43374	0.055552444	6.7886635	0.519864894	PSR1
YMR018W	5.06364096	4.48947604	3.32891464	4.73029136	3.77908525	4.84201929	0.055475083	2.16768746	0.82551946	YMR018W
YMR016C	72.6007742	72.925207	71.541402	66.2832077	77.6015609	81.797846	0.055459441	6.20751956	0.552870598	SOK2
YOR262W	50.0445554	44.9523178	52.1126456	51.7375618	52.5814103	48.4847532	0.055429703	5.64681176	0.562121827	GPN2

YMR173W-A	116.726788	140.094675	100.170068	133.630731	124.77497	112.528528	0.055182051	6.92438387	0.634524745	YMR173W-A
YMR153W	53.0038261	62.0468612	54.2915716	58.6556129	58.3803515	59.0080751	0.055115568	5.85044132	0.5459712	NUP53
YPR023C	101.009773	90.0773077	88.4886038	99.2178613	100.210916	90.9008422	0.055040883	6.57134718	0.538693016	EAF3
YCR035C	60.8952146	67.6874849	62.7046467	68.6483534	63.8535094	66.238824	0.054851016	6.0254424	0.528207251	RRP43
YOR335C	987.081179	888.39824	934.153975	1033.86431	937.082829	947.163534	0.054715032	9.8989709	0.562710931	ALA1
YOL148C	46.2961459	50.2475972	46.4837536	45.9429548	51.2782775	51.454525	0.054703963	5.60695111	0.555660106	SPT20
YNL232W	44.2575372	51.8016466	49.0863596	52.68362	49.6493614	48.4847532	0.054693904	5.62836605	0.565886554	CSL4
YJL097W	99.9575877	77.1844535	95.9937932	81.597526	90.1767929	111.882926	0.054656648	6.53742368	0.660587329	PHS1
YJL075C	21.6355568	21.1235603	22.5760939	26.9035321	24.1079576	16.7856669	0.054620322	4.48065745	0.736745081	APQ13
YNL080C	96.6695092	68.2055014	87.2175637	83.075742	84.1823818	94.3870961	0.054314956	6.4214722	0.643435652	EOS1
YOR091W	85.5558037	76.5513222	85.6438949	89.3433781	82.2276825	85.5423409	0.054226149	6.39683533	0.532487633	TMA46
YMR055C	26.9622441	22.2171507	23.7866083	26.6078889	26.1278135	22.9188913	0.054221939	4.63715239	0.668299238	BUB2
YMR232W	10.1930435	9.38185378	9.92621821	8.98755359	11.2069425	10.4587617	0.0542135	3.34143528	0.732259254	FUS2
YOR326W	625.524062	625.765189	566.883901	623.866302	592.534505	568.453065	0.054210379	9.19011419	0.578348894	MYO2
YML081W	204.189678	213.365227	215.229463	206.477218	225.181356	225.444418	0.054194564	7.74886618	0.540696472	TDA9
YER152W-A	22.1616494	16.7491991	21.9708366	19.0985514	19.3515228	24.7265785	0.054172821	4.37688824	0.728191261	YER152W-A
YHR075C	16.5719159	20.778216	16.8261504	20.2219956	17.5922934	18.4642336	0.054065155	4.21345056	0.707223515	PPE1
YDR160W	81.2813016	75.5152893	80.6202601	81.3018828	83.0747189	82.056087	0.054044613	6.33551899	0.509252114	SSY1
YGL230C	1.77556241	0.97847555	1.93682307	1.47821605	1.43344613	1.93680772	0.053961713	0.77020526	0.902626	YGL230C
YLR039C	83.977526	92.4371605	78.9255399	93.0093539	86.332551	85.7360216	0.053954048	6.44079499	0.545902479	RIC1
YNL002C	97.7216943	111.776442	99.7463879	122.928447	105.097664	92.9667705	0.05394548	6.71682739	0.611702708	RLP7
YPL047W	4.53754839	4.60459081	5.99204636	4.96680593	4.95190481	5.81042315	0.053867379	2.39691719	0.813872477	SGF11
YOR149C	59.3169369	47.7150723	57.9836405	52.1514623	54.7315795	64.3665765	0.053859756	5.811043	0.631480412	SMP3
YGL173C	616.909296	564.81062	602.896705	584.604884	650.328446	617.26062	0.053624902	9.24375253	0.563197386	XRN1
YNL156C	63.2626312	63.7735827	68.2124873	65.3962781	65.4824255	71.7910061	0.053489545	6.05398988	0.539056095	NSG2
YBL100C	9.07509678	8.34582085	9.320961	8.75103902	9.12192992	9.87771936	0.053400049	3.20138985	0.7505647	YBL100C
YKR087C	37.8129032	47.3121706	39.7048728	42.7500082	42.6776007	44.2237762	0.053280041	5.41109759	0.60831066	OMA1
YNR031C	153.355983	150.167218	158.637914	160.061234	164.129582	155.331979	0.053228352	7.2952467	0.522568926	SSK2
YGR266W	61.8158766	67.2845832	65.9125099	71.7821714	70.1737037	60.3638405	0.053009385	6.05218101	0.572901638	YGR266W
YIL005W	121.132814	113.272934	123.956676	123.874505	120.083692	127.764749	0.053003676	6.92835673	0.525029752	EPS1
YAL017W	175.977964	144.296365	172.256201	171.473062	169.276957	169.987157	0.052713601	7.38646264	0.582645296	PSK1
YLR105C	28.1459523	30.5054141	26.3286885	26.5487603	30.8842484	30.7952427	0.052618736	4.85724895	0.6439517	SEN2
YCR072C	91.2770604	98.7684729	99.0200792	93.8962835	100.797326	105.233219	0.052569962	6.61893632	0.538013469	RSA4
YFR024C-A	271.332241	241.165444	258.142199	279.08719	259.518906	260.500638	0.052559935	8.0320047	0.567326804	LSB3
YDR505C	139.348769	133.245347	143.809113	138.597537	145.299312	147.907549	0.052351932	7.1444851	0.530638666	PSP1
YBR058C	106.928314	121.446083	115.906755	118.43467	120.214005	118.468072	0.052339396	6.87075101	0.531938716	UBP14
YAL048C	44.3890603	39.4268088	44.3653533	43.282166	45.4793363	44.0946557	0.05220035	5.44686344	0.585131177	GEM1
YJL197W	146.385257	142.396971	145.927513	155.035299	153.183266	142.419928	0.052090723	7.20634382	0.532647816	UBP12
YBR137W	11.2452286	17.036986	13.3761843	16.6151484	15.1814976	11.4271655	0.051976028	3.83824007	0.787152893	YBR137W
YIL143C	122.842614	113.215377	116.996218	118.84857	129.205622	117.88703	0.05185645	6.906223	0.541196061	SSL2
YGR093W	35.5770098	41.7291042	37.8285755	39.8527047	39.9410217	39.639998	0.051729746	5.29381745	0.599222523	DRN1
YCL017C	153.882076	118.107754	129.525043	139.78011	137.415359	138.804553	0.051718775	7.0912064	0.607651878	NFS1
YHR204W	154.276645	133.533134	159.727377	148.176377	156.115315	159.528396	0.051696691	7.24793245	0.575631489	MNL1
YLR143W	47.5456157	51.2260728	51.6889656	47.1255277	53.4936033	55.457261	0.051627504	5.67829426	0.589130473	DPH6
YER174C	55.8315737	53.1254665	50.5995026	59.956443	54.6664229	50.6152417	0.051487795	5.76179209	0.595853883	GRX4
YMR093W	170.980084	165.132138	176.735105	173.542564	170.058836	187.870349	0.051470488	7.44436404	0.55959677	UTP15
YDL132W	179.857896	173.190172	180.487699	180.638001	188.433009	183.803052	0.051374069	7.50132082	0.54723837	CDC53
YDR438W	30.5133689	25.4403642	30.3839118	28.1452336	29.4508023	31.8282068	0.051327559	4.87775496	0.661323905	THI74
YML004C	120.066721	159.951973	128.43558	146.28426	136.959262	140.676801	0.051303222	7.11860262	0.625136515	GLO1
YIL153W	80.294878	62.2770907	80.6202601	68.4709674	78.318284	84.448165	0.051274838	6.24471544	0.653205534	RRD1
YLR381W	63.2626312	54.5068437	65.6704071	55.2852803	64.8960157	69.9187586	0.051271794	5.96245799	0.633542483	CTF3
YAL002W	121.198575	104.927113	127.164539	123.342347	121.582294	121.050482	0.051259	6.90679002	0.575229171	VPS8
YDL130W	659.259748	539.485371	573.662782	676.19515	596.639373	563.481925	0.051243376	9.23259036	0.633971684	RPP1B
YNL136W	25.1209201	25.3252495	28.6891917	27.9678477	26.9748499	27.0507478	0.051184463	4.75389798	0.647599534	EAF7
YCL045C	453.754839	358.985411	439.356207	408.578916	426.776007	461.86408	0.051158582	8.73126456	0.631916313	EMC1
YFL060C	2.56470126	3.79878742	3.44996609	2.77904617	3.58361532	3.87361544	0.051131025	1.79413838	0.819510289	SN03
YKR027W	51.4255484	59.5718936	50.5389769	54.1027074	57.4681585	55.9091828	0.051099352	5.78043718	0.587410489	BCH2
YJL167W	313.353885	378.267135	300.510204	352.584092	332.038249	343.331448	0.051069793	8.3958372	0.619650435	ERG20
YBL058W	175.254586	161.966482	171.953573	190.394227	161.002063	175.991261	0.0510615	7.43368276	0.584951511	SHP1
YDL112W	212.475635	212.444309	213.232114	210.32058	226.679958	224.153213	0.050975955	7.75933933	0.557374266	TRM3
YJR124C	98.1820253	87.0267663	108.280515	99.4543759	103.208121	101.295044	0.050747951	6.63934387	0.588578895	YJR124C
YBL014C	86.1476578	84.436684	94.4806502	83.4896425	95.8454208	95.2909397	0.05066447	6.49282454	0.574871278	RRN6
YCL038C	53.2011108	45.7581212	49.207411	44.2282242	47.6946621	61.5259252	0.050479759	5.65441969	0.679982863	ATG22
YKL020C	160.063663	165.477482	160.635263	158.996918	170.971029	173.602532	0.050476632	7.36698932	0.554759657	SPT23
YER014W	53.7272034	52.2621057	52.2942228	56.0539526	55.9695557	51.8418866	0.050409201	5.74990777	0.567045577	HEM14
YOR129C	48.8608472	49.0964495	45.091662	48.9585156	50.822181	48.3556327	0.050366955	5.60440647	0.576459052	AFI1
YHR169W	71.4828275	75.2275024	72.8124421	68.8848679	78.3834406	80.1838395	0.050360802	6.22133193	0.568134113	DBP8
YMR258C	40.3118429	44.8947604	40.7943358	41.9222072	43.9807335	44.675698	0.050352854	5.42253928	0.590594464	ROY1
YKL057C	255.680988	231.55336	262.742154	232.96685	264.470811	279.158552	0.050263616	7.99170566	0.613194593	NUP120
YCL054W	172.361077	171.866352	188.900775	184.954392	188.823949	178.25087	0.050237238	7.49971113	0.569771166	SPB1
YIR036C	65.893094	55.3126471	54.9573545	63.6815474	58.640978	59.9119187	0.050199372	5.90317645	0.611330913	IRC24
YDL062W	9.4696662	8.05803392	7.08150933	5.79460692	9.05677327	10.6524424	0.050051452	3.07836039	0.835712909	YDL062W
YNL187W	21.9643647	17.3247729	18.2787677	19.6898378	19.5469927	20.2719208	0.049871471	4.29421637	0.717408275	SWT21

YPR034W	87.7916971	77.1268961	92.3017242	98.6857035	84.7036349	82.7016896	0.049742257	6.44865759	0.620294752	ARP7
YBR079C	578.109969	515.714171	578.867994	575.499073	582.370069	573.359645	0.049680137	9.14830669	0.588777346	RPG1
YMR216C	169.336045	157.361891	169.774647	164.555011	169.537583	179.735756	0.049605805	7.39657098	0.570351566	SKY1
YBR279W	62.4077308	67.2845832	64.6414698	71.2500136	68.0886912	61.7841662	0.049556673	6.04535007	0.58101972	PAF1
YIL145C	96.1434166	85.933176	91.2122612	97.6805166	90.3071062	94.7098974	0.049516632	6.53577726	0.564311109	PAN6
YJL026W	500.314031	381.778136	456.363935	482.844491	460.071051	442.108642	0.049509005	8.82660881	0.646844681	RNR2
YGR092W	54.5163422	60.2050249	59.5573093	61.6711736	63.7883528	54.9407789	0.049360929	5.8886277	0.596198395	DBF2
YDR012W	2268.11658	1707.49739	2169.18131	2149.44439	2074.52233	2134.55579	0.049355981	11.0251312	0.660466887	RPL4B
YGL214W	11.639798	11.0510179	7.44466366	13.540459	8.86130335	8.71563473	0.049195114	3.37111898	0.844098795	YGL214W
YHR170W	244.830328	236.61841	257.173788	263.4181	259.518906	241.261681	0.049194682	7.96920908	0.585331642	NMD3
YNL048W	111.991955	107.344523	111.730481	117.843384	116.760703	107.88019	0.049192741	6.81225303	0.553680076	ALG11
YIL139C	14.6648303	17.3823303	12.7709271	18.5072649	16.1588473	11.6854066	0.049082496	3.93927807	0.79789652	REV7
YCR014C	29.3954222	29.0664795	28.0839344	32.5798817	30.4281519	26.4697055	0.049080729	4.88101873	0.669508803	POL4
YML094C-A	0.26304628	0.69068862	0.66578293	0.47302914	0.26062657	0.96840386	0.049047889	-0.5539694	1	YML094C-A
YCR007C	5.45821038	5.4103942	5.68941775	6.14937877	5.40800131	5.55218212	0.048975941	2.52065551	0.808739382	YCR007C
YPR108W	117.187119	150.224775	122.20143	144.687787	134.613623	123.826573	0.048925954	7.04737794	0.642636414	RPN7
YDL033C	14.3360224	15.8858383	15.0103788	18.1524931	14.4647746	14.1386963	0.048803585	3.95168625	0.749827596	SLM3
YMR023C	17.5583394	20.0875274	19.1866535	19.2759373	21.1107521	18.4642336	0.048792652	4.27867693	0.703264395	MSS1
YJL050W	266.728931	265.051759	267.221057	271.28221	278.023393	277.028064	0.048502944	8.08219731	0.571992927	MTR4
YML018C	193.470541	151.375923	174.011447	169.580945	177.94279	188.967873	0.048480592	7.45933594	0.63746898	YML018C
YDR489W	30.3160842	28.7786926	30.989169	30.4512506	28.603766	34.0878158	0.048386168	4.93811594	0.662280273	SLD5
YGR127W	17.2295316	20.6055439	18.3998191	18.9211654	19.4166794	19.8845592	0.048200748	4.26358272	0.706539332	YGR127W
YPR189W	121.921952	127.029149	129.161888	125.530107	130.573911	134.930938	0.048171697	7.00352617	0.558130851	SKI3
YER066W	3.87993268	4.08657435	3.51049181	2.89730346	4.69127824	4.32553724	0.048112319	2.00417243	0.839439075	RRT13
YPR203W	5.85277981	2.99298403	4.72100622	5.26244914	5.21253138	3.48625389	0.048015923	2.23168052	0.882264678	YPR203W
YDR478W	8.8120505	8.69116516	9.38148672	8.92842494	10.2295928	8.65107447	0.047979862	3.20719017	0.770064826	SNM1
YLR190W	140.466715	128.870985	140.419672	144.392144	140.608034	138.481752	0.047837336	7.11885575	0.568877251	MMR1
YGR079W	174.465448	204.501389	189.869186	180.69713	201.659808	205.75354	0.047665098	7.59208665	0.621249733	YGR079W
YML113W	37.8786648	43.6284979	43.6390447	33.6441973	47.173409	48.678434	0.047579801	5.41111586	0.715869898	DAT1
YFR009W-A	2.0386087	2.47496756	0.72630865	1.53734469	2.21532584	1.67856669	0.047568681	0.92614988	0.962856161	YFR009W-A
YLR028C	402.855383	384.713562	377.801549	417.98037	403.058989	383.294247	0.04753949	8.62597511	0.595627262	ADE16
YGR242W	6.05006452	6.90688622	6.59730357	5.61722099	7.29754393	7.35986933	0.04745419	2.75637498	0.803280155	YGR242W
YBR169C	80.8209706	74.2490268	75.0518938	83.7852857	75.4513917	78.4407126	0.047449966	6.28703687	0.583564549	SSE2
YLR098C	34.787871	35.3977919	31.2917977	34.8267701	34.9891169	35.0562197	0.047432307	5.10909209	0.63817182	CHA4
YPL184C	249.828208	188.788223	226.547773	229.596517	228.895284	228.736991	0.04738033	7.81697784	0.65542808	MRN1
YIL112W	94.3678542	88.5232583	88.3070266	99.3952472	93.3043117	87.4145883	0.047297519	6.5237038	0.586371259	HOS4
YOR198C	352.08745	336.883375	332.891464	369.908784	347.219747	338.360308	0.046829101	8.43608316	0.601111979	BFR1
YER173W	34.9193941	38.5058907	36.7391125	39.7344474	38.8333588	35.2499005	0.046757758	5.22743302	0.64175877	RAD24
YPR118W	145.793403	181.248206	152.464291	173.779079	163.152232	158.430871	0.046687975	7.34538938	0.63742952	MRH1
YLR005W	49.3869397	56.0608931	53.6257886	54.4574793	56.8165921	53.1330917	0.046670729	5.75607231	0.605071527	SSL1
YNL014W	19.2023787	17.6125599	18.5208706	19.8080951	18.3741731	18.9161554	0.046628181	4.23727965	0.715892764	HEF3
YDR157W	1.90708556	1.72672155	1.39209158	1.06431556	1.43344613	2.71153081	0.046593764	0.86359412	0.916499375	YDR157W
YLR317W	1.70980084	1.32381986	2.66313171	1.30083012	2.15016919	2.45328978	0.046430141	1.0336263	0.922938513	YLR317W
YOR124C	201.493453	192.241666	187.871837	205.353774	192.712368	192.712368	0.046298507	7.62307316	0.598781832	YBP2
YPR163C	594.813408	589.90564	605.378259	689.439966	595.857493	563.030004	0.046257042	9.24445889	0.641801224	TIF3
YOR264W	54.9109117	58.8236476	61.0099266	56.1722099	59.4880144	64.8830585	0.046176131	5.89084257	0.614967136	DSE3
YDR262W	65.6300477	65.7305338	68.0914359	65.3962781	69.0660408	71.532765	0.046152701	6.08092305	0.584340578	YDR262W
YDR076W	16.3088696	14.2166741	18.4603448	17.2064348	16.3543172	16.9793477	0.046133248	4.06237129	0.746064879	RAD55
YGR196C	56.4234278	51.4563023	56.0468175	61.3755304	55.187676	52.5520494	0.046098282	5.79785388	0.631412708	FV8
YOR113W	53.1353493	51.2836302	55.3205088	51.7966904	54.4709529	58.6852739	0.046016172	5.76102462	0.613251532	AZF1
YGR183C	6.11582609	4.60459081	6.29467496	4.67116272	5.53831459	7.35986933	0.046002597	2.55309492	0.850096671	QCR9
YOR272W	114.425133	139.634216	121.838276	128.663925	127.446392	132.090286	0.045943603	6.99420714	0.616093124	YTM1
YGR249W	4.53754839	5.18016466	5.56836631	4.61203408	4.95190481	6.26234495	0.045901166	2.40818474	0.83940413	MGA1
YLR397C	101.535865	99.1138172	106.101589	99.3952472	107.573616	109.752437	0.045891651	6.70081103	0.582657189	AFG2
YJL176C	127.972017	128.755871	134.609203	141.317454	131.551261	131.057322	0.045837394	7.05173158	0.581967542	SWH3
YDL194W	41.4297896	37.9878742	40.0075014	42.276979	37.6605392	43.2553724	0.045758516	5.3418622	0.650990779	SNF3
YPL044C	6.83920337	6.90688622	8.65517807	7.45020889	7.03691736	8.65107447	0.045698026	2.94739572	0.807018655	YPL044C
YAL025C	60.3691221	68.3206162	67.7888073	76.8672346	63.4625696	62.4297688	0.045616542	6.05933452	0.656389477	MAK16
YHR122W	19.6627097	27.1670858	21.6076823	25.5435733	23.2609213	21.8859272	0.045436946	4.54461178	0.745852978	CIA2
YKR005C	12.0343675	8.74872254	9.98674393	9.34232544	11.467569	10.9106835	0.045335782	3.39421707	0.816207088	YKR005C
YKL061W	5.32668724	4.02901696	3.99469757	3.90249037	5.0822181	4.77745904	0.045252715	2.20958783	0.849025013	BLI1
YDR298C	188.932993	158.282809	182.363997	182.88489	182.308285	181.091522	0.04510585	7.48719735	0.631196023	ATP5
YJL201W	74.6393829	64.1764844	70.6940419	68.707482	74.669512	72.6948497	0.044890613	6.15048272	0.619633857	ECM25
YCR069W	154.079361	134.108707	145.443307	153.379697	147.710108	146.099862	0.04485687	7.19886821	0.6080368	CPR4
YCR041W	5.06364096	4.43191866	5.02363483	3.72510445	5.34284467	5.93954367	0.044852925	2.33016047	0.841311075	YCR041W
YJL102W	43.0738289	41.7866616	43.0943132	44.4056101	43.9155769	43.6427339	0.044829252	5.4409943	0.61868495	MEF2
YDR027W	76.1518991	84.7820283	80.6807858	82.9574847	85.420358	80.9585626	0.044823943	6.35676713	0.591004992	YOX1
YDL183C	9.14085835	8.86383731	7.2630865	10.0518691	8.53552014	7.42442959	0.044676396	3.11710203	0.813830762	YDL183C
YKL123W	2.76198598	3.33832834	3.38944036	3.01556074	3.58361532	3.22801286	0.0446675	1.74190182	0.865854426	YKL123W
YER064C	114.030564	116.611262	113.304149	116.306039	118.389619	120.082079	0.044575767	6.8651272	0.575620626	VHR2
YIL029W-A	16.3746311	12.9504117	14.4656473	12.2987575	14.4647746	18.3996733	0.044532497	3.89933659	0.80541227	YIL029W-A
YPL101W	69.7072651	76.8966665	68.2124873	78.6410939	71.9980897	70.8871625	0.044368522	6.18705626	0.618906568	ELP4
YLR257W	148.423865	164.901908	151.919559	169.935717	153.509049	156.300383	0.04424189	7.30045638	0.617299785	YLR257W

YGR142W	24.3975428	24.1165444	22.9392482	27.6722045	24.3685842	21.5631259	0.044202044	4.60340722	0.730430499	BTN2
YML022W	161.904987	128.468084	152.161662	138.538408	154.030302	163.660252	0.044142975	7.22774685	0.670197037	APT1
YNL262W	215.960999	197.652061	218.982058	211.976182	226.745115	213.500771	0.044140626	7.74314383	0.624213364	POL2
YLR025W	32.1574082	34.073972	35.3470209	37.1919158	34.6633337	32.8611709	0.044026895	5.10919567	0.669378862	SNF7
YMR264W	90.7509678	73.2129939	83.6465461	93.8962835	82.0322126	79.1508754	0.044007774	6.39058685	0.668904832	CUE1
YOR018W	52.411972	56.1184505	55.8047146	52.1514623	59.553171	57.8459905	0.043976096	5.80134036	0.627545451	ROD1
YOR217W	160.129425	145.389955	150.587993	157.16393	156.897195	156.042142	0.043870138	7.27130438	0.600765888	RF1
YPL141W	31.2367462	26.7066267	30.3233861	32.8163963	30.6887785	27.3735491	0.043861089	4.90582863	0.712969788	RFN5
YPR082C	15.1251613	18.9939371	15.3735331	17.8568499	16.4194739	16.7856669	0.043756867	4.07883474	0.758991248	DIB1
YPL183C	190.971602	189.766699	190.656021	180.638001	197.945879	210.466439	0.043733132	7.59634034	0.632379661	RTT10
YNL163C	172.295316	156.786317	163.7826	160.711649	171.427126	175.862141	0.043699359	7.38300971	0.619309222	RIA1
YOR078W	32.946547	35.1675623	35.5285981	36.5415008	35.70584	34.6042979	0.043654968	5.13801186	0.655027524	BUD21
YLR382C	78.059846	77.0693387	77.7150255	83.3713852	77.5364043	79.0217549	0.043632129	6.30235198	0.594527227	NAM2
YPL190C	179.59485	151.66371	172.13515	174.684958	176.572304	174.684958	0.043627677	7.41334133	0.638595744	NAB3
YDL178W	111.926194	119.892033	107.675257	115.773881	115.2621	118.919994	0.043556073	6.8459228	0.599841169	DLD2
YJL135W	0.06576157	0.23022954	0.12105144	0.05912864	0.13031328	0.25824103	0.043554798	-1.8973465	1	YJL135W
YGL040C	151.185851	130.022133	139.511786	160.829906	145.429626	127.183707	0.043548239	7.15464554	0.670290147	HEM2
YLR308W	0.26304628	0.46045908	0.54473149	0.41390049	0.65156642	0.25824103	0.043542574	-0.8430982	1	CDA2
YHR165C	244.633044	236.84864	241.376575	232.49382	260.952352	251.591323	0.043517164	7.93523064	0.627129223	PRP8
YHR187W	30.2503226	38.2756611	29.052346	33.5852368	33.0995743	33.9586953	0.043333541	5.05201564	0.717226967	IKI1
YIL126W	262.125621	241.510788	244.342335	268.976193	256.586857	245.070737	0.043247944	7.98426139	0.633235994	STH1
YDL221W	7.75986536	6.27375498	8.17097231	6.91805112	7.81879707	8.13459242	0.043242872	2.93037504	0.838115089	YDL221W
YOR351C	7.2337728	5.29527943	5.20521199	4.0798763	6.84144744	7.35986933	0.043077617	2.60769977	0.886311136	MEK1
YJL147C	13.8099299	16.6916417	14.7682759	14.4273887	16.4846305	15.817263	0.043072282	3.95049423	0.759162443	YJL147C
YDL050C	6.57615709	6.33131237	7.68676654	8.39626717	7.36270058	5.42306161	0.043029545	2.82694183	0.846101271	YDL050C
YIL105C	63.6572006	67.6299275	64.0967383	59.7790571	71.7374631	69.9187586	0.042996426	6.04987264	0.644643162	SLM1
YDR356W	69.3126957	63.4857958	64.0362126	79.1732517	66.1339919	57.3295084	0.042991528	6.05987328	0.705009391	SPC110
YJR112W-A	6.7734418	6.10108283	4.96310911	7.80498075	5.01706145	5.48762187	0.042928134	2.62224716	0.855258444	YJR112W-A
YDR419W	36.4319103	38.4483333	34.9233409	36.3641148	40.3971182	36.4119851	0.042837209	5.2204923	0.667968271	RAD30
YCR023C	147.240157	117.53218	132.914483	136.587163	134.352996	138.546312	0.042706362	7.07289397	0.654384265	YCR023C
YGR188C	23.9372118	25.3252495	24.9971227	25.7209593	26.490667	24.1455362	0.042667748	4.65855478	0.70283692	BUB1
YPR086W	58.6593212	62.4497629	60.5862465	66.7562368	59.2925445	61.0740034	0.042667715	5.94496917	0.629716098	SAU7
YOR346W	92.1977224	92.955177	91.7569927	97.7396452	94.9332278	92.5148487	0.042630931	6.55165341	0.597061243	REV1
YDR299W	79.0454082	82.2495034	86.1281007	82.7209702	82.3579958	89.8033179	0.042468923	6.38959282	0.614292842	BFR2
YPL058C	495.381913	395.649465	493.526727	487.042624	477.728501	461.024797	0.042465906	8.87190779	0.684490808	PDR12
YNL285W	0	0.23022954	0	0.05912864	0.19546993	0	0.042424896	-2.2761162	1	YNL285W
YDL240W	11.5740365	10.8783458	11.0762069	9.34232544	12.6403886	12.5892502	0.042407106	3.51804119	0.797716932	DOC1
YCL032W	18.4132398	20.8933308	18.7024477	19.5124519	20.7849689	19.4971977	0.04228	4.30464642	0.734445197	STE50
YMR027W	153.421745	175.607582	157.306348	191.635929	161.653629	147.455628	0.04222154	7.36337417	0.693014267	YMR027W
YNL075W	43.6656831	49.1540069	51.810017	47.4211709	48.8023251	52.8102904	0.042133221	5.61682561	0.66537231	IMP4
YOL073C	60.1718373	48.5208757	58.2257434	59.3060279	57.4030018	55.0053392	0.042080024	5.82146195	0.679536688	DSC2
YDR061W	59.3169369	65.0398452	65.3677785	65.0415062	67.0461849	63.3336124	0.042055418	6.00720782	0.624524511	YDR061W
YOR090W	122.448045	124.036165	123.04879	135.877619	122.299018	122.212567	0.042038817	6.96715405	0.619077077	MSH2
YBL066C	102.12272	101.013211	104.891074	98.5674462	110.570822	108.073871	0.042023262	6.70489294	0.615172485	SEF1
YML097C	41.6928359	42.2471207	41.7022216	45.0560252	43.8504202	40.414721	0.041970066	5.41351328	0.655413925	VPS9
YGR281W	443.167226	351.330279	426.040549	416.324768	428.209453	411.894441	0.041940135	8.68975796	0.683344511	YOR1
YDR316W	19.7284713	21.066003	16.0998417	23.3558136	18.3741731	16.7856669	0.041880253	4.27623595	0.80098258	OMS1
YNL198C	0.13152314	0.23022954	0.12105144	0.11825728	0.32578321	0.06456026	0.041861795	-1.7903542	1	YNL198C
YJR049C	65.2354783	61.1835004	67.0019729	66.8153655	65.4172688	66.8198663	0.041781757	6.03412043	0.624180258	UTR1
YCR030C	200.770076	175.837812	205.545348	192.168087	207.63279	199.749436	0.041683839	7.62203336	0.658704637	SYP1
YNR008W	109.098446	96.8690792	109.1884	110.15666	109.267689	104.845858	0.04159081	6.73724096	0.62953855	LRO1
YCR033W	189.590609	173.190172	191.140226	182.234475	198.662602	189.161554	0.041465063	7.55029058	0.645463004	SNT1
YGL138C	0.32880785	0.46045908	0.42368005	0.41390049	0.39093985	0.4519218	0.041257026	-0.8975035	1	YGL138C
YKR084C	95.8803703	102.337031	86.491255	99.8682764	98.6471564	94.4516564	0.041188846	6.59107431	0.643204529	HBS1
YGL153W	17.8213857	18.1305763	16.2814189	19.4533232	18.2438598	16.0109438	0.041133117	4.15272211	0.768524861	PEX14
YOR188W	107.58593	115.978131	125.409293	103.475124	121.582294	134.156215	0.041128886	6.88442801	0.691065041	MSB1
YGL170C	4.34026368	3.74123003	4.6604805	3.84336173	4.56096496	4.71289878	0.041027499	2.14551531	0.862626261	SPO74
YMR291W	67.274087	70.7955837	64.157264	68.4118388	68.6099443	71.0808432	0.040998685	6.09829478	0.629765715	TA1
YOL014W	3.41960169	3.39588572	2.84470888	4.31639087	3.25783211	2.32416926	0.040952012	1.76250932	0.913337548	YOL014W
YDR014W	15.1251613	19.0514945	17.6735105	16.674277	17.5271368	19.2389567	0.040922589	4.14404127	0.765695225	RAD61
YPL085W	215.040337	210.314685	216.379452	206.418089	228.764971	225.057057	0.040903978	7.76227671	0.644789729	SEC16
YHR131C	96.3407013	93.3580787	94.1174958	95.6110141	101.709519	94.6453371	0.040855787	6.58618177	0.61730083	YHR131C
YPR074C	1748.73169	1379.42029	1696.4149	1622.07604	1679.3473	1661.52278	0.040825646	10.6718537	0.699879502	TKL1
YEL036C	241.476488	192.356781	251.605421	232.789464	235.150322	237.065265	0.040790697	7.8570261	0.70237468	ANP1
YOR222W	40.9694586	39.3692514	39.5232957	40.1483479	40.3971182	42.7388903	0.040729836	5.344896	0.665018938	ODC2
YMR313C	89.5672595	82.4797329	93.3306615	88.8112203	92.7830586	91.352764	0.04070864	6.48921205	0.632235575	TGL3
YOR066W	177.622003	169.161155	186.358694	172.537377	179.039275	184.836017	0.040655052	7.49483077	0.650478549	TQR1
YJL182C	0.19728471	0.17267216	0	0	0.19546993	0.19368077	0.04061283	-2.0122894	1	YJL182C
YDR138W	76.0203759	69.9897803	72.630865	78.7002225	72.4541862	73.5986933	0.040588162	6.20985887	0.636173959	HPR1
YDR026C	37.7471417	34.0164146	35.3470209	39.0840324	37.0089728	33.9586953	0.040494605	5.18249581	0.700634465	NSI1
YDR169C	54.5821038	64.3491566	55.1389316	59.0695134	62.28975	57.7814303	0.040484819	5.88267015	0.666754082	STB3
YLL049W	28.4747602	28.2606761	25.360277	28.4408768	27.691573	28.2773927	0.040471339	4.80079638	0.713044098	LDB18
YDL122W	248.710261	217.164014	248.579135	252.301915	234.433599	247.911388	0.040428288	7.91667432	0.66670047	UBP1

YBR111W-A	2.82774755	5.29527943	2.66313171	4.49377679	4.03971182	2.58241029	0.040419687	1.92526385	0.913750589	SUS1
YBR289W	67.274087	69.5293213	69.2414246	70.4222126	69.6524506	71.8555663	0.040403305	6.12489831	0.621772662	SNF5
YKL095W	12.0343675	11.3963623	11.3788355	12.2987575	10.6856893	12.7829309	0.040386251	3.57116028	0.79628555	YJU2
YGL094C	140.335192	125.820444	129.464517	138.656666	132.658924	135.382859	0.04027267	7.06431953	0.636233742	PAN2
YDR014W-A	0.52609257	0.4029017	0.60525721	0.41390049	0.52125314	0.64560257	0.040241973	-0.6429978	1	HED1
YCR067C	228.98179	193.105027	226.003041	208.487592	219.968824	237.904548	0.040206442	7.77596011	0.685948139	SED4
YCR059C	85.81885	67.6874849	79.4097457	81.7749119	81.3154895	76.2456638	0.040187532	6.300417	0.685075044	YIH1
YER096W	5.98430295	4.54703343	5.87099492	5.85373556	5.79894116	5.16482058	0.040160224	2.49908351	0.864242842	SHC1
YLR395C	7.75986536	7.77024699	7.02098361	9.63796865	7.03691736	6.45602573	0.040149528	2.95438479	0.868979492	COX8
YER038C	20.7806564	18.0154615	20.3971679	19.4533232	20.7849689	20.5947221	0.040114028	4.33024042	0.751638745	KRE29
YOR200W	21.76708	18.4759206	16.9472018	23.5923282	20.0682458	15.0425399	0.040029675	4.28117546	0.823875659	YOR200W
YAR060C	0.65761571	0.51801647	0.54473149	0.47302914	0.65156642	0.64560257	0.04002416	-0.5096406	1	YAR060C
YHR212C	0.65761571	0.51801647	0.54473149	0.47302914	0.65156642	0.64560257	0.040024051	-0.5096406	1	YHR212C
YOR075W	15.322446	18.7637076	15.615636	16.6151484	20.7198122	13.8158951	0.03989044	4.08227836	0.821125104	UFE1
YGR007W	71.4828275	79.947208	74.6282137	84.3765721	72.9754393	75.0190189	0.039795046	6.25825532	0.662106026	ECT1
YLL051C	110.808247	98.0777843	127.648745	92.4180675	117.998679	135.57654	0.039721163	6.83098071	0.761257081	FRE6
YDR130C	16.6376774	17.6701172	15.1919559	16.9107916	17.0710403	16.9147874	0.039658928	4.07534121	0.771124771	FIN1
YIL021W	64.5121201	69.5868786	64.2177898	69.8900549	64.2444493	69.7250778	0.039627778	6.06954817	0.648152618	RPB3
YML002W	37.3525723	37.815202	36.3759582	36.4823721	38.4424189	39.7691185	0.039619306	5.2412667	0.679153814	YML002W
YOR379C	0	0	0.36315432	0.11825728	0.26062657	0	0.039603481	-2.0127573	1	YOR379C
YLR077W	64.9066704	67.4572554	67.1230244	68.2935815	68.0235345	68.756674	0.039588097	6.07793622	0.629670421	FMP25
YHL008C	67.2083254	60.2050249	62.3414924	61.8485595	65.6127388	67.5300291	0.039553209	6.00524542	0.655764666	YHL008C
YOL041C	106.599506	106.366048	108.038412	115.419109	110.179882	104.264815	0.039517995	6.76295855	0.633593873	NOP12
YER119C	89.5014979	73.8461251	87.3386151	86.2095601	84.1823818	87.0911877	0.039313832	6.40607024	0.673000685	AVT6
YHR095W	0.19728471	0.11511477	0.24210288	0.11825728	0.26062657	0.19368077	0.039272127	-1.6904532	1	YHR095W
YBL011W	226.811658	194.831749	220.253098	227.2905	220.815861	211.305722	0.039109762	7.76154684	0.677239374	SC11
YJL010C	80.2291165	85.7605039	78.8650142	86.2095601	81.2503329	84.1220152	0.039009863	6.37277629	0.63809482	NOP9
YKL181W	376.945324	380.281644	395.89874	396.398416	398.954121	389.362912	0.038977324	8.60645821	0.6546303	PRS1
YDL232W	0.06576157	0.05755739	0.18157716	0.05912864	0.19546993	0.06456026	0.038968937	-2.1381293	1	OST4
YPL189C-A	1.1179467	0.86336078	1.33156586	1.06431556	1.04250628	1.29120515	0.038923056	0.30975214	0.935348796	COA2
YAL026C-A	11.1137055	14.6771332	11.499887	12.062243	12.0539788	14.2678169	0.038867132	3.67195314	0.815072201	YAL026C-A
YDR376W	80.6236859	75.918191	76.6860882	86.3278173	76.493898	76.6330254	0.038840473	6.30208441	0.658903665	ARH1
YDR233C	744.552505	575.746524	720.679758	625.640161	695.742626	775.110449	0.038744852	9.4297612	0.742354067	RTN1
YDR234W	203.729347	180.960419	200.461187	198.199208	198.206506	204.526895	0.038561864	7.62784807	0.669365231	LYS4
YPR190C	92.5922918	93.1278492	89.5780668	93.4232544	97.6698068	91.6755653	0.038550678	6.54120956	0.636027582	RPC82
YOL013W-A	0.13152314	0.11511477	0.06052572	0.05912864	0.19546993	0.06456026	0.038451137	-2.138076	1	YOL013W-A
YDL066W	187.288954	187.521961	179.216659	197.371407	184.849394	186.708264	0.038414091	7.5491011	0.659054608	IDP1
YGR285C	902.97213	823.531067	892.875433	1013.76057	873.294476	802.806799	0.038379852	9.78954001	0.71591886	ZUO1
YNL233W	72.2062048	68.2055014	71.9045563	74.9159894	74.7998253	68.2401919	0.038297804	6.16658652	0.655771173	BNI4
YOR195W	49.9130323	47.7726297	49.3284624	52.7427487	49.9751446	48.1619519	0.038194978	5.63730746	0.67416329	SLK19
YKR095W	225.496427	209.508882	209.963725	222.560209	223.682753	215.954061	0.038178649	7.76803615	0.663878287	MLP1
YPR179C	38.010188	37.9878742	39.4022442	41.1535348	37.6605392	39.639998	0.038123949	5.28922404	0.691941067	HDA3
YGL193C	14.0729762	11.3963623	15.4340588	11.3526993	13.0964851	17.56039	0.038030535	3.79903112	0.842507451	YGL193C
YDR105C	99.4972567	81.2134704	98.2937706	96.4388151	92.396921	97.5505487	0.037977721	6.55964413	0.692356401	TMS1
YLR272C	84.2405723	92.7249475	82.4965574	89.4025067	86.4628643	90.5780409	0.037976261	6.45584059	0.654101252	YCS4
YLR166C	65.8273324	80.9256835	70.3914133	75.6255331	74.5391987	72.8885305	0.037947931	6.19979354	0.68348002	SEC10
YML120C	134.219366	127.604723	115.543601	130.910813	127.120609	129.314195	0.037925138	6.99515059	0.663441885	NDI1
YLR399C	206.096763	200.2997	216.863658	228.17743	205.89499	205.68898	0.037876677	7.71858805	0.677773481	BDF1
YGR028W	26.7649593	30.6780863	26.8128943	30.9242798	27.8218862	27.7609106	0.037810154	4.83788041	0.74071754	MSP1
YKR039W	40.3118429	34.7646606	39.0390899	39.0249037	39.3546119	38.6715941	0.037671358	5.27204648	0.709979649	GAP1
YOR231W	73.8502441	72.0042888	74.7492652	72.4917151	75.0604519	78.8926344	0.037533099	6.22158785	0.651009374	MKK1
YKL002W	31.2367462	33.325726	30.3839118	37.3101731	32.969261	27.1153081	0.03749807	5.0088637	0.768908362	DID4
YLR451W	61.4870688	64.1764844	58.2862691	61.7894309	61.5730269	65.4641009	0.037430459	5.96006511	0.664213324	LEU3
YEL027W	536.482895	442.098275	525.363256	534.286409	503.530531	505.506814	0.03741472	8.98865742	0.707731516	VMA3
YPR093C	10.7848976	9.49696855	9.92621821	12.1805003	8.99161663	9.74859885	0.037326605	3.36705218	0.848112464	ASR1
YMR019W	73.9817672	80.7530114	79.6518486	79.941924	82.4883091	78.1824715	0.037305461	6.30916985	0.652369789	STB4
YLR070C	12.1658906	11.799264	13.7393386	11.1753133	13.3571117	14.2032566	0.037263099	3.68401485	0.817768752	XYL2
YLR416C	0.85490042	0.80580339	0.78683437	1.00518691	0.97734963	0.51648206	0.037248024	-0.0744073	1	YLR416C
YHR061C	62.8680617	52.2621057	61.2520294	58.6556129	59.748641	62.494329	0.03717385	5.89854757	0.701040579	GIC1
YGL195W	836.815989	724.071905	820.123517	781.621519	854.268737	806.874095	0.036967206	9.65117461	0.702449325	GCN1
YPR167C	6.97072651	10.3603293	8.53412663	7.62759482	9.64318305	9.3612373	0.036918894	3.15072404	0.842458145	MET16
YDR340W	0.13152314	0.11511477	0	0.05912864	0.06515664	0.12912051	0.036915164	-2.2756525	1	YDR340W
YMR089C	196.232527	182.572026	191.140226	207.541533	192.798504	184.254974	0.036890231	7.58907043	0.684775793	YTA12
YNL179C	0.78913885	0.69068862	0.36315432	0.7095437	0.58640978	0.58104232	0.03687859	-0.4277202	1	YNL179C
YLR409C	215.960999	215.437293	223.703064	206.83199	227.722465	237.581747	0.036873851	7.78999217	0.685843659	UTP21
YEL051W	8.15443479	8.57605039	7.92886942	8.69191038	8.73099006	7.87635139	0.036830059	3.07948163	0.835721489	ARL3
YOR049W	216.224045	237.193984	219.708366	241.717889	225.832922	222.991129	0.036819781	7.82917541	0.683092568	TPA1
YBL079W	314.734878	314.493552	320.181063	295.406695	339.20548	339.393272	0.036772083	8.32499547	0.691539009	NUP170
YOL007C	69.6415035	76.7815518	74.0229565	72.6099724	75.9074882	77.7305497	0.036695409	6.22062652	0.662547718	CSI2
YPR173C	120.212152	118.568213	124.682985	131.029071	121.321668	120.40488	0.036681439	6.94053745	0.660441562	VPS4
YDR278C	0.06576157	0.11511477	0	0.05912864	0.06515664	0.06456026	0.036656612	-2.4278476	1	YDR278C
YAL069W	0.06576157	0	0.12105144	0	0.06515664	0.12912051	0.036432932	-2.427489	1	YAL069W
YBR051W	0.85490042	0.46045908	0.84736009	0.7095437	0.78187971	0.71016283	0.036424076	-0.2393618	1	YBR051W

YNL091W	214.580006	198.860766	208.63216	211.030123	213.778943	213.113409	0.036407994	7.71503381	0.675748524	NST1
YGR198W	105.021229	118.913558	105.859486	111.871391	114.48022	111.947486	0.036286474	6.80063797	0.669595455	YPP1
YCR050C	4.40602525	2.99298403	3.44996609	3.25207531	3.64877197	4.19641672	0.036243621	1.91299984	0.913266894	YCR050C
YBR014C	25.3182048	34.7646606	26.3892143	31.9885953	27.8218862	28.9229953	0.036199133	4.87540298	0.786888139	GRX7
YML116W	57.6071361	54.7370733	61.130978	52.9201346	59.1622312	65.8514624	0.036098611	5.87473027	0.717433722	ATR1
YJL054W	105.678844	113.906065	111.851532	111.575747	113.437714	114.852698	0.035863515	6.80749616	0.658505505	TIM54
YNL323W	72.1404432	72.1194036	68.5151159	78.8776084	70.1737037	68.9503548	0.035640678	6.16847005	0.6891934	LEM3
YJR042W	118.173543	129.21633	112.154161	132.389029	122.038391	114.077795	0.035588658	6.92456041	0.699679745	NUP85
YML009C-A	13.3495989	11.4539196	11.4393612	11.7665998	11.7933522	13.557654	0.03553435	3.62502438	0.831323288	YML009C-A
YPR084W	57.7386592	50.8807285	58.5888977	54.1027074	56.6862788	60.5575213	0.035500484	5.82107371	0.709247148	YPR084W
YOR180C	14.2044993	13.4108707	14.4051215	14.9004178	12.5100753	15.6235823	0.035498316	3.8379449	0.813223728	DCI1
YBR008C	46.6907153	36.8367265	48.783731	44.3464815	44.5671433	46.6125057	0.035497408	5.48370276	0.757378422	FLR1
YHR166C	23.1480729	26.8792989	21.8497852	25.3070588	25.8020303	22.59609	0.035460264	4.60865195	0.777641883	CDC23
YKR067W	91.9346761	70.6229116	79.8939514	85.8547882	86.2022377	76.2456638	0.035385563	6.35575162	0.737781066	GP2
YDR141C	160.32671	160.067088	167.656247	165.737584	174.294018	160.109438	0.035256361	7.36475182	0.680838884	DOP1
YGR005C	45.1781992	45.0098752	46.9679593	51.855819	45.5444929	43.0616916	0.035237048	5.53616786	0.726264125	TFG2
Q0275	0.06576157	0.05755739	0.24210288	0.23651457	0.06515664	0.06456026	0.035094232	-2.0130768	1	COX3
YKL048C	32.2231697	41.1535304	37.0417411	41.3900494	35.5755267	36.2183043	0.035055888	5.22562166	0.762011207	ELM1
YNL209W	4437.65656	3439.68689	4190.86143	4276.4199	4077.7633	4010.67686	0.035051414	11.9916222	0.746125259	SSB2
YBR119W	10.7848976	14.6195758	13.7998643	12.890044	13.291955	14.0741361	0.035043643	3.742019	0.826894718	MUD1
YFL032W	0.13152314	0.11511477	0.06052572	0.17738593	0	0.12912051	0.034965277	-2.1384497	1	YFL032W
YDR291W	68.65508	71.140928	69.9677332	69.0622539	76.7545246	69.1440355	0.034804256	6.1478828	0.68422181	HRQ1
YDR052C	77.2698458	81.155913	79.1071171	82.9574847	80.0123567	80.3775203	0.034793826	6.32689293	0.667978198	DBF4
YHL014C	24.5290659	24.8647904	26.5707914	26.2531171	26.4535968	25.1139401	0.034694215	4.68685866	0.755404481	YLF2
YMR199W	116.79255	131.173281	117.117127	111.753133	124.449187	137.90071	0.034624166	6.94623633	0.719486389	CLN1
YDR162W	597.443871	582.998754	632.433257	645.743899	618.336535	592.663162	0.034530584	9.25675073	0.705845353	TIF4631
YDL103C	70.8252118	81.0983557	79.6518486	82.0705551	78.4485973	76.6975856	0.034292098	6.29038485	0.694079809	QR1
YGL142C	104.429375	92.5522753	100.351645	95.965786	105.162821	103.296412	0.03415577	6.6496192	0.694170948	GPI10
YPL012W	392.596578	340.451933	384.15675	371.682644	382.66496	389.556592	0.034154898	8.55826853	0.714117937	RRP12
YDR440W	30.3818457	37.2971856	35.9522782	36.659758	35.0542735	34.4751774	0.034043234	5.13385659	0.751956406	DOT1
YDR070C	0.78913885	1.03603293	1.08946297	1.53734469	0.58640978	0.83928334	0.033783871	0.15532607	1	FMP16
YJL069C	112.781094	126.453575	120.143556	115.586121	122.820271	131.638365	0.033771288	6.92316104	0.704883858	UTP18
YDR101C	245.553706	258.20243	265.465811	239.352743	260.300786	287.809627	0.033614194	8.01995335	0.72766641	ARX1
YDL131W	177.556241	190.169601	169.895698	196.070577	173.903078	180.252238	0.033505502	7.50337658	0.716460033	LYS21
YJL129C	244.764567	204.904291	246.158106	240.239672	245.119288	226.671063	0.033411704	7.87500358	0.73555574	TRK1
YCL005W	43.4683983	41.095973	48.2995252	42.0404645	46.6521559	47.3226686	0.033380576	5.48949179	0.740418768	LDB16
YOR233W	91.0140141	100.840539	91.3333127	93.0684825	98.907783	97.9379103	0.033266857	6.57958809	0.693489047	KIN4
YDR192C	38.8650884	39.3116941	39.2206671	37.3101731	41.5047811	41.3831249	0.033176738	5.31164597	0.729204832	NUP42
YBR001C	66.8795176	67.3421406	62.644121	71.6639141	63.3322563	66.3679445	0.033139712	6.05531965	0.711231282	NTH2
YDL030W	25.7127742	22.7351671	26.87342	25.7800879	26.1929702	25.0493798	0.033078544	4.67283511	0.781624923	PRP9
YDR159W	104.100567	109.474147	107.554206	100.104791	114.936317	113.626053	0.032887948	6.76043759	0.703176187	SAC3
YDR405W	32.3546929	34.3617589	33.5312493	37.0736585	33.8162973	31.6345261	0.032781716	5.08451504	0.759863482	MRP20
YEL055C	267.91264	267.123824	261.95532	292.923293	267.40286	254.883896	0.032741879	8.07055783	0.721634749	POL5
YOR329C	98.0505022	110.913081	99.4437593	90.7624655	109.007063	115.885662	0.032728574	6.70220272	0.745235134	SCD5
YBL080C	22.9507882	23.4258558	21.8497852	23.2375563	21.7623185	24.7911388	0.032670657	4.53151149	0.784370123	PET112
YGL119W	49.1238934	52.1469909	46.7258565	51.5601758	52.3207837	47.5163493	0.032610435	5.64463834	0.726832644	COQ8
YGL163C	81.6101094	73.2129939	76.6860882	83.3713852	79.1001637	74.1797356	0.032558347	6.28811726	0.714301442	RAD54
YOR070C	47.6771389	47.9453018	46.8469079	50.9097608	48.2810719	46.4833852	0.032543809	5.58951889	0.72024398	GYP1
YJR133W	39.2596578	46.1610229	39.7653986	47.7168141	42.5472874	37.7677505	0.032430827	5.40423772	0.775086907	XPT1
YHR207C	39.2596578	42.2471207	40.5522329	46.4751126	43.9155769	34.4106171	0.032410858	5.36745185	0.78539016	SET5
YNL268W	338.474805	283.585237	337.975625	301.437817	327.542441	352.757246	0.03229217	8.33864517	0.754012557	LYP1
YLR195C	90.2906368	108.95613	99.927965	101.228235	104.641567	100.197519	0.032169467	6.65835729	0.718936519	NMT1
YHR073W	201.164645	196.328241	203.66905	201.510412	206.742026	206.463703	0.032159635	7.66366827	0.707473484	OSH3
YDR519W	40.9036971	32.3472504	45.7574449	40.4439911	37.7256959	43.4490531	0.032104564	5.32967702	0.80358528	FPR2
YMR075C-A	3.48536326	2.64763972	2.78418316	3.54771852	2.80173562	2.71153081	0.032068769	1.64097693	0.931941311	YMR075C-A
YLR133W	50.7021711	48.0604166	50.0547711	51.5010472	49.6493614	50.938043	0.03190845	5.65168061	0.720447844	CKI1
YMR115W	36.2346255	38.7936776	35.4680724	37.3693018	39.8758651	35.7663825	0.031858325	5.22408175	0.748803329	MGR3
YPR081C	37.4183338	32.8077095	38.0101527	40.0300906	35.4452134	35.0562197	0.031853341	5.19317565	0.773965984	GRS2
YMR129W	249.893969	231.841147	259.715868	237.815398	260.105316	260.048716	0.031759472	7.96586644	0.730645094	POM152
YPR098C	49.649986	37.6425299	42.3074788	39.4979329	44.0458902	48.8721147	0.031671339	5.45158529	0.795426527	YPR098C
YKL151C	46.427669	44.088957	44.3653533	45.056022	43.6549503	49.1303558	0.031572685	5.51005532	0.737722784	YKL151C
YER008C	239.832449	185.33478	216.863658	214.63697	220.946174	220.473279	0.031450912	7.75787449	0.760954701	SEC3
YNL098C	144.149363	148.382939	142.356495	151.605838	145.299312	147.520188	0.031318043	7.19652748	0.701643786	RAS2
YDR333C	117.187119	131.173281	120.264607	124.406663	128.944995	123.439212	0.031217335	6.95844964	0.710849431	RQC1
YOR157C	135.140028	142.6272	136.364449	149.891107	139.435214	133.833413	0.031199527	7.12600745	0.715433036	PUP1
YIL065C	15.6512539	17.785232	13.7998643	18.2707504	16.5497871	13.4285335	0.031081884	4.00482606	0.85856046	FIS1
YOR310C	567.851164	569.587883	551.449842	607.546797	572.270789	545.792415	0.031076905	9.15282243	0.7311758301	NOP58
YML116W-A	10.7848976	9.89987024	10.1683211	11.234442	10.6656893	9.55491807	0.030847813	3.39389705	0.849647726	YML116W-A
YMR043W	66.7479944	69.5293213	70.2098361	61.6711736	72.1935596	77.2140677	0.030821536	6.12324274	0.748285497	MCM1
YHL024W	41.5613128	33.4983982	37.4654212	39.2022897	36.8135029	38.8007146	0.030728592	5.24795462	0.78272996	RIM4
YDR284C	94.4993773	80.2349949	93.1490843	92.3589388	92.7830586	88.3829922	0.030690627	6.49740656	0.736263232	DPP1
YPL105C	294.019983	258.317545	290.402408	285.473084	292.292697	282.903047	0.030496744	8.14981616	0.740056308	SYH1
YJR010C-A	7.43105751	8.05803392	8.59465235	9.40145408	7.29754393	7.87635139	0.03046833	3.04381099	0.862097058	SPC1

YOR033C	56.0288584	49.4417938	51.3258112	56.3495958	53.36329	50.2924404	0.030464048	5.72571866	0.752480459	EXO1
YLR219W	110.93977	93.0702918	105.556857	102.233422	107.573616	106.266183	0.030427621	6.705694	0.73593023	MSC3
YIL073C	30.5133689	26.2461676	32.6838892	27.8495904	32.1873813	31.3117248	0.030387883	4.91832022	0.80105243	SPO22
YJR105W	831.160494	663.694208	784.897547	801.133971	779.534068	747.349538	0.030310264	9.58509395	0.769381017	ADO1
YHR120W	58.6593212	59.1114345	61.6757095	59.7199284	63.9186661	59.6536777	0.030259675	5.92071566	0.724035057	MSH1
YFR021W	61.4213072	51.5138597	60.2230922	57.8278119	58.7712913	60.1055995	0.029989613	5.86837832	0.755065814	ATG18
YPR147C	52.2804488	50.1324825	60.3441436	51.5010472	56.4256522	58.2979123	0.029971739	5.77991999	0.764407642	YPR147C
YGR178C	246.671652	227.063884	253.058039	245.502122	240.949263	255.529498	0.029923414	7.93612145	0.740387048	PBP1
YPR076W	12.6919832	13.2381986	11.1367326	12.1805003	12.4449187	13.2348527	0.029864463	3.65646399	0.855170741	YPR076W
YPL106C	1982.90865	1685.16512	1862.43695	1913.93501	1912.93386	1819.17893	0.029856694	10.8633115	0.758343013	SSE1
YGR274C	87.2656045	84.2064545	91.4543641	89.9937931	86.5280209	91.8692461	0.029839646	6.47045527	0.720224883	TAF1
YLR135W	21.1094642	18.0154615	19.5498078	21.3454398	19.2212095	19.2389567	0.029809532	4.31225445	0.828353556	SLX4
YLR115W	70.7594503	64.7520583	71.6019277	67.9388097	73.1057526	70.3706804	0.029789386	6.12655145	0.732477871	CFT2
YNL203C	7.2337728	5.58306636	7.14203505	5.97199284	6.3201943	8.07003216	0.02972569	2.77156318	0.89001294	YNL203C
YPR010C	737.055686	659.319847	756.208356	687.370463	752.885001	756.904456	0.029574087	9.50196577	0.75957104	RPA135
YNL102W	137.902014	129.734346	136.969706	135.700233	144.843216	132.413088	0.029558718	7.09145164	0.726120176	POL1
YFR008W	4.93211781	6.90688622	4.53942906	5.79460692	5.21253138	5.7458629	0.029521086	2.50048567	0.895553064	FAR7
YBR236C	46.2961459	50.1900398	41.2180159	52.861006	43.9807335	43.6427339	0.029425956	5.53932557	0.794511799	ABD1
YHR205W	198.994513	172.78727	196.46649	176.79464	202.115904	200.976081	0.029264732	7.58088434	0.764282013	SCH9
YPR088C	220.301262	219.869211	224.974104	221.495893	225.572296	231.706763	0.029215741	7.80804552	0.734495042	SRP54
YDR416W	52.7407798	54.1614994	55.2599831	57.5912973	54.6664229	53.197652	0.029182285	5.77433604	0.741153943	SYF1
YCL016C	17.4925779	20.8933308	13.3761843	17.6203353	17.6574501	17.56039	0.028825445	4.13461165	0.864484022	DCC1
YMR187C	18.2159551	19.3968388	20.9418994	17.9159785	21.0455955	20.8529631	0.028812477	4.31086908	0.824970881	YMR187C
YJR156C	3.74840954	3.05054141	3.2078632	3.31120395	3.32298876	3.55081415	0.02878746	1.80013522	0.933762323	THI1
YFR003C	15.782777	14.044002	16.0998417	18.8029082	14.464774	13.4930938	0.02869543	0.836179161	0.793274988	YPI1
YNL085W	439.353055	418.096846	437.843064	437.191719	438.960299	445.078414	0.028639355	8.76886678	0.743612362	MKT1
YBR280C	29.72423	28.7786926	27.7813058	29.8599642	28.9947058	29.116676	0.028546914	4.86614784	0.788960555	SAF1
YFR013W	89.2384517	95.948161	83.464969	89.6981499	90.1116362	94.2579756	0.028467867	6.50110171	0.74125109	IOC3
YNL231C	101.009773	129.619231	106.525269	132.329901	110.831448	100.714001	0.028412815	6.8286344	0.808950637	PDR16
YML048W	386.546514	315.126684	350.383398	348.977245	361.619365	362.183043	0.028281771	8.46859226	0.772613203	GSF2
YNL097C	18.8078093	20.8357734	21.1840023	18.8620368	20.589499	22.6606503	0.028164266	4.36545332	0.823912919	PHO23
YBR103W	29.0666143	31.5414471	30.3839118	30.5695079	31.9267547	30.3433209	0.028087159	4.94325561	0.784527207	SIF2
YPL272C	26.9622441	26.1310529	24.8155455	27.4948185	27.5612597	24.339217	0.028017601	4.71921967	0.81110354	PBI1
YMR037C	119.554536	117.417066	120.567236	110.866204	127.902489	125.827941	0.027871425	6.91249973	0.74820191	MSN2
YGL113W	32.5519776	33.0954965	35.9522782	33.5850687	33.0995743	36.9284672	0.027822156	5.10119937	0.790403686	SLD3
YGL085W	15.9143001	22.6776097	18.5813963	19.2168087	19.1560528	20.0136798	0.027807593	4.27823511	0.849243911	LCL3
YPL042C	52.1489257	54.5644011	56.7731261	53.6296783	56.7514354	56.3611046	0.027751422	5.78558895	0.750995122	SN3
YGR255C	138.822676	122.367001	129.585568	132.862059	131.551261	133.833413	0.027708889	7.04019593	0.745418355	COQ6
YOL142W	55.4370042	56.1184505	55.3205088	59.7790571	58.5758214	51.7127661	0.02766433	5.81471064	0.765451494	RRP40
YFR048W	59.4484601	72.0042888	57.0757547	63.090261	65.5475821	63.6564137	0.027653336	5.99106596	0.781020253	RMD8
YDL212W	200.770076	181.248206	209.661097	203.166014	196.642746	203.23569	0.027612245	7.63835072	0.7641973	SHR3
YER089C	183.014452	162.484498	185.087654	190.453356	176.574501	173.667092	0.027553448	7.48113638	0.767775656	PTC2
YDR477W	150.988567	143.375446	150.164313	160.416006	146.602445	145.970742	0.027543453	7.22605078	0.748051748	SNF1
YPL183W-A	10.5218513	8.9213947	8.65517807	8.33713852	10.0992796	10.2005206	0.027530809	3.25730902	0.893964607	RTC6
YAL022C	140.598239	115.690344	129.70662	124.997949	129.726875	138.610872	0.027500218	7.02226749	0.771189439	FUN26
YGL135W	1772.53738	1548.86923	1812.07955	1865.86343	1582.98062	1783.21887	0.027473402	10.7546482	0.791219313	RPL1B
YDL056W	72.4034895	69.0688622	69.5440532	69.2396398	76.1029582	69.7250778	0.02741633	6.15236261	0.749202517	MBP1
YNL273W	83.3199103	86.681422	83.888649	88.8703489	87.1795873	82.7016896	0.027365905	6.41902066	0.738827221	TOF1
YMR054W	234.966093	197.479388	232.37191	221.909793	226.419332	218.930672	0.027224317	7.80584119	0.776896952	STV1
YIR015W	9.9299972	10.3027719	10.5920011	9.2831968	10.2947495	11.8790873	0.027212895	3.3920863	0.869670834	RPR2
YOR251C	85.8846116	84.8971431	85.3412663	97.3848734	86.5280209	76.9558267	0.027087762	6.43129086	0.780085908	TUM1
YNL236W	87.8574587	95.4877019	92.0596213	85.0269872	98.5819997	97.1631872	0.027047727	6.53629145	0.760053591	SIN4
YGL049C	115.016987	105.2149	114.393612	117.725126	112.004268	111.108203	0.026999288	6.81631474	0.749413326	TIF4632
YHR077C	123.8948	125.762887	131.461866	135.936748	131.551261	120.792241	0.026969743	7.00409109	0.753614573	NMD2
YML064C	18.2817167	20.1450848	16.7656247	17.6203353	20.5243423	18.1414323	0.026851836	4.22511193	0.846412487	TEM1
YOR016C	77.3356073	62.1044186	69.9072075	79.4688949	67.2416548	66.3679445	0.026850421	6.14003171	0.80544356	ERP4
YGL096W	6.7734418	7.13711576	7.80781798	6.3267647	9.64318305	6.1977847	0.026768373	2.89352132	0.904366354	TOS8
YCL061C	69.6415035	60.3201396	68.5756417	67.05188	69.1963541	65.9160227	0.026747426	6.06384225	0.770076239	MRC1
YDL003W	71.877397	70.5653542	74.144008	77.8724215	70.7601135	71.9201266	0.026681724	6.18953507	0.755989326	MCD1
YPR091C	148.884196	130.482592	138.785478	141.553969	142.953673	141.322403	0.026594861	7.13725204	0.758692417	NVJ2
YDR137W	36.8922413	43.0529241	38.9785642	39.2022897	41.700251	40.3501608	0.026591702	5.32768806	0.787543504	RGP1
YOR341W	683.460006	648.383944	683.335388	651.006349	721.414343	679.948629	0.026370481	9.40522084	0.773435931	RPA190
YKL184W	191.629218	153.908448	187.085003	172.182606	179.962646	190.194518	0.026287276	7.4859248	0.797247475	SPE1
YJL070C	35.1824404	37.9303168	34.0154551	39.143161	35.7709966	34.1523761	0.026148334	5.17662358	0.804224616	YJL070C
YML072C	965.248337	796.018637	922.169882	870.787511	934.085623	927.472656	0.026094481	9.81815463	0.794907957	TCB3
YDR248C	9.00933521	8.80627993	7.38413794	9.2831968	7.49301386	8.84475525	0.026035545	3.10385306	0.900037955	YDR248C
YIL010W	33.9329706	39.0814645	31.2312719	33.3485541	34.3375505	38.5424736	0.025984632	5.13772634	0.819666103	DOT5
YDR327W	37.089526	38.9663497	31.5339005	43.2230373	36.7483462	29.5040376	0.025969893	5.18267353	0.8557592	YDR327W
YOR122C	252.392909	227.063884	240.287112	250.173284	236.062515	246.426502	0.025866568	7.91996587	0.774023219	PFY1
YJL031C	18.4132398	24.3467739	21.6076823	27.4948185	20.7198122	17.3021489	0.025823954	4.44695079	0.884666007	BET4
YHR129C	17.6898626	18.9363797	17.0077275	20.6358961	17.7226067	16.2046246	0.02578992	4.18353082	0.864628135	ARP1
YER175C	23.6741655	22.6200524	22.757671	25.6618306	22.4790416	22.079608	0.02578616	4.5447844	0.838535066	TMT1
YKL185W	207.806564	214.113473	224.913578	191.931572	225.116199	241.519922	0.025676156	7.76605756	0.799165809	ASH1

YDL217C	19.7284713	21.8718064	18.9445506	20.1628669	21.4365353	20.07824	0.02559353	4.35735491	0.837033844	TIM22
YIL109C	682.539344	564.062374	686.180097	616.179578	670.787632	680.335991	0.025573831	9.34455272	0.804706031	SEC24
YGR231C	105.48156	118.740886	107.312103	113.940893	107.11752	116.466704	0.025536916	6.80276013	0.767515199	PHB2
YLR405W	40.2460814	43.3982684	40.2496043	40.6805057	44.1762035	41.3185646	0.025420964	5.38552034	0.788836062	DUS4
YNL087W	422.057762	352.19364	428.945783	389.657751	413.744678	420.997438	0.025265248	8.66072341	0.801766283	TCB2
YMR275C	118.370828	113.272934	118.690938	119.7355	118.194149	118.532632	0.025198448	6.88166769	0.755183207	BUL1
YDR514C	25.9758205	26.5339546	27.0549972	28.8547773	25.6065604	26.4697055	0.025196548	4.74851181	0.825561068	YDR514C
YAL056C-A	5.39244881	7.65513222	6.05257208	6.3267647	7.23238729	5.93954367	0.025196346	2.71540747	0.90383285	YAL056C-A
YDR307W	105.021229	91.9191441	110.762069	102.351679	103.208121	107.492828	0.025139783	6.69448763	0.783684334	PMT7
YPL180W	58.2647518	49.614466	54.0494687	52.0923336	61.5730269	51.0671635	0.025125567	5.76945731	0.812522264	TCO89
YPL204W	139.677577	149.476529	152.645868	131.383843	151.55435	166.759145	0.025098681	7.21624527	0.798012223	HRR25
YML014W	39.7857504	33.8437425	34.6207123	39.4979329	36.8786595	33.635894	0.025095464	5.18963368	0.828090032	TRM9
YHR020W	623.880023	527.801222	611.672934	612.809246	591.752625	589.499709	0.024999785	9.21192607	0.796431816	YHR020W
YAL032C	28.2117139	28.83625	30.2628604	30.4512506	30.7539351	27.6317901	0.024993284	4.88193384	0.818573828	PRP45
YGL200C	351.298312	279.268433	334.949339	344.897369	324.349765	312.923567	0.024899517	8.34307788	0.810884633	EMP24
YOR205C	49.4527013	55.0824176	56.8941775	49.9045739	57.3378452	57.1358277	0.024798485	5.7661654	0.797179216	GEP3
YDR221W	102.390766	88.6383731	100.775325	100.459563	99.624506	96.6467051	0.024716089	6.61770092	0.780853153	GTB1
YMR170C	40.1145582	37.2971856	40.1890786	39.3796756	38.3772623	41.8350467	0.024638669	5.30924286	0.803391292	ALD2
YJR041C	130.931288	125.878001	132.914483	111.694005	138.197238	146.616344	0.024536257	7.03498025	0.809690597	URB2
YGL252C	119.29149	124.323952	120.809339	134.340275	117.738053	118.532632	0.024527365	6.93831251	0.779627889	RTG2
YLR088W	170.125184	136.411003	146.169616	154.325756	151.35888	154.621816	0.024507019	7.25052186	0.799632369	GAA1
YCL058C	10.1930435	10.014985	10.1077954	7.09543704	11.3372558	12.4601297	0.02450102	3.36498407	0.907939276	FVY5
YPR111W	26.9622441	35.5129066	24.6944941	30.8060225	29.320489	28.600194	0.024495771	4.880701	0.857841684	DBF20
YBR165W	21.7013184	25.8432659	23.847134	23.4740709	25.4762471	23.7581747	0.02448443	4.59382802	0.835919171	UBS1
YKR099W	71.5485891	71.0258133	75.2334709	65.3371494	76.1681148	80.1192793	0.024379423	6.19671657	0.795143875	BAS1
YPL046C	1.24946985	1.78427894	1.39209158	1.47821605	1.56375941	1.48488592	0.02426322	0.6961335	1	ELC1
YNL181W	43.2711136	43.9738422	48.7232052	47.7759427	45.6096496	44.8693788	0.024159492	5.51832501	0.800113739	YNL181W
YAL009W	27.6198598	29.0664795	23.0602996	28.73652	24.4988975	27.8254709	0.02409706	4.75126792	0.853617469	SPO7
YHR042W	655.774385	529.125042	685.695891	603.230406	654.759098	644.053126	0.024091887	9.29662949	0.825000501	NCP1
YNL317W	28.0801908	31.6565618	31.5944263	31.5155662	27.8870429	33.5067735	0.024059965	4.94678912	0.833610923	PFS2
YJR033C	91.3428219	96.5237349	91.9385699	92.4180675	93.8255649	98.3252718	0.023982777	6.55745408	0.769516385	RAV1
YGR212W	11.9028443	13.007969	10.2288468	12.062243	12.379762	11.298045	0.02391973	3.57778372	0.894962638	SL1
YOR337W	77.4671305	76.6088796	78.8044885	69.8309262	79.8820434	87.1563473	0.023910732	6.29281634	0.798850608	TEA1
YGL224C	32.2889313	36.7791691	32.078632	38.6110032	29.5811156	34.6042979	0.023709136	5.09319588	0.848917451	SDT1
YER140W	39.9172735	40.8657435	38.1917298	39.2614183	40.6577448	41.0603236	0.023700022	5.32603022	0.802619593	EMP65
YGR151C	3.94569425	6.04352544	5.32626343	2.06950247	6.7762908	6.77882701	0.023695814	2.39657236	0.94930944	YGR151C
YKR082W	165.258828	180.615075	158.577388	175.90771	165.758498	171.149242	0.023654797	7.40664961	0.791664062	NUP133
YDR295C	34.7221094	36.2611526	31.3523234	32.1068526	35.3800567	36.6056659	0.023647841	5.10945605	0.824905542	HDA2
YHR134W	15.9800617	16.1160678	16.2814189	14.7230319	17.3968235	17.1084682	0.023633189	4.03413217	0.867494553	WSS1
YCR057C	276.001313	270.634825	292.64186	249.345483	286.298286	317.571905	0.023616499	8.14052697	0.818029581	PWP2
YNR038W	85.1612343	98.2504564	94.1780216	92.7137107	93.6952516	95.871982	0.023512329	6.54604419	0.783614286	DBP6
YDR058C	13.481122	16.2311826	11.499887	14.7821605	15.1814976	11.9436476	0.023456051	3.80620804	0.897713172	TGL2
YCL044C	73.3899131	55.2550897	66.0940871	55.8765667	69.9130771	72.1138074	0.023445123	6.03399608	0.848638184	MGR1
YGR245C	194.456965	185.392338	196.950695	194.414975	203.679664	188.12859	0.023429484	7.5995842	0.791074662	SDA1
YDL045C	20.1230407	27.7426596	20.8813737	21.9367262	22.4138849	25.6304221	0.023407485	4.5397527	0.870105853	FAD1
YBL091C	228.455697	217.91226	211.537394	255.199219	209.999858	203.30025	0.023348036	7.78922453	0.822205561	MAP2
YDR414C	47.4798542	43.2831536	46.7258565	39.970962	49.6493614	50.1633199	0.023299683	5.53338086	0.829152452	ERD1
YKR056W	91.7373914	105.502687	100.654274	88.8703489	99.624506	114.400776	0.023228246	6.647507	0.818719878	TRM2
YAL045C	0.26304628	0.11511477	0.06052572	0.41390049	0	0	0.022938843	-1.8977068	1	YEL045C
YBL008W	42.0216438	48.0028592	47.6337423	45.2925398	46.3263726	48.3556327	0.022876842	5.53613896	0.808428631	HIR1
YPL029W	39.0623731	38.6785628	42.1864274	40.3848625	40.983528	40.4792813	0.022806401	5.33695281	0.812355468	SUV3
YOR368W	26.8307209	27.9153318	28.2049859	24.8931583	29.0598624	30.4078812	0.022767449	4.80739807	0.842740769	RAD17
YNL199C	59.0538906	64.5793861	63.3704297	60.1338289	64.6353891	65.3349804	0.022767167	5.97673192	0.792400532	GCR2
YDL201W	45.046676	57.2120408	49.5100396	55.5217948	49.6493614	49.0657955	0.022667645	5.67666052	0.832522196	TRM8
YHR179W	663.271204	703.523919	688.722177	704.281255	691.768071	691.956837	0.022601912	9.43195031	0.798927425	OYE2
YBR055C	71.2855428	83.1704215	76.2018825	76.8672346	80.9245497	76.6330254	0.022537088	6.27885143	0.79616823	PRP6
YGL048C	202.6114	196.903815	204.274308	211.207509	198.792916	203.17113	0.022375637	7.66499438	0.797005443	RPT6
YGR063C	35.5112483	23.7712001	28.0234087	31.6338235	27.4309464	29.4394773	0.022170244	4.87795188	0.886567319	SPT4
YNL201C	111.400101	116.265918	126.075076	115.655624	123.732464	119.888398	0.022046637	6.89433404	0.79575855	PSY2
YFL010C	131.45738	138.943528	134.972357	138.183636	137.675985	135.770221	0.021951637	7.0905941	0.787111592	WMM1
YEL043W	176.504056	163.923433	177.158785	148.885921	182.308285	194.390935	0.021927849	7.44263249	0.835138821	YEL043W
YOR371C	83.1883871	78.162929	84.6149577	79.2323803	83.9217552	86.575305	0.0218477	6.37033506	0.796401835	GPB1
YCR048W	188.735708	148.210267	196.587541	172.241734	184.784237	184.577776	0.021835144	7.48615826	0.842458652	ARE1
YOL057W	268.504494	213.480341	247.489672	246.86208	246.422421	247.136665	0.021741076	7.93715184	0.828753308	YOL057W
YCL037C	65.432763	66.1334355	69.4835275	57.7095546	73.1057526	73.4050125	0.021669642	6.08008481	0.831846207	SR09
YDR235W	39.3254194	51.9167614	41.6416959	43.10478	49.0629516	42.8680108	0.021618317	5.48513415	0.850940448	PRP42
YMR067C	57.5413745	61.9893038	53.8678915	56.1130813	59.1622312	60.8157623	0.021542608	5.86718769	0.812783059	UBX4
YHR112C	46.0988612	52.6650074	49.5705653	48.1898432	53.6239166	48.8721147	0.021466489	5.64284636	0.819739721	YHR112C
YDR168W	105.284275	109.359032	110.217338	111.812262	110.505665	107.428268	0.021452373	6.77121848	0.790852206	CDC37
YMR119W-A	10.4560898	9.84231286	11.4393612	10.1701264	11.2069425	10.8461232	0.021436505	3.43000429	0.910904973	YMR119W-A
YLR329W	2.69622441	4.08657435	3.51049181	3.54771852	3.97455518	2.96977183	0.021424563	1.84742845	0.940434462	REC102
YDR279C	1511.39818	1163.23475	1512.77987	1389.99612	1418.72073	1441.24318	0.021421744	10.4577195	0.848089557	SCW4
YPR032W	69.2469341	70.3351246	66.5782929	65.2188921	70.4343303	73.6632535	0.021411528	6.1160943	0.805667123	SRO7

YER052C	250.617347	196.55847	227.334607	223.506267	224.464633	236.484222	0.021366296	7.82397569	0.835317912	HOM3
YBR022W	10.3903282	12.1446083	9.98674393	11.1753133	11.5327257	10.3296412	0.021325298	3.46698222	0.901206512	POA1
YLR319C	69.1811726	69.4717639	73.2361222	73.9108025	66.2643052	74.8253382	0.021223239	6.15535738	0.811160597	BUD6
YLR220W	122.513807	96.2935053	112.033109	117.429483	111.026918	107.105467	0.021223207	6.79671365	0.833148556	CCC1
YLR379W	73.0611052	52.8376796	65.7309328	64.3319625	67.762908	62.236088	0.021212665	6.00955112	0.855377576	YLR379W
YMR257C	57.0152819	51.2836302	51.7494913	54.6348652	49.9751446	57.71687	0.02119746	5.75075642	0.829516092	PET111
YHR085W	30.8421767	35.7431362	34.5601866	34.2354837	34.4678638	34.0232556	0.021183372	5.09222557	0.837683744	IP11
YJR110W	45.046676	39.1390219	40.7943358	46.8298845	39.8107084	40.0273595	0.021145591	5.39455344	0.851686343	YMR1
YCL057W	326.045868	305.169256	332.891464	334.431599	328.71526	315.118616	0.021126827	8.33918151	0.813616202	PRD1
YPR003C	48.5320393	45.12499	46.4232278	42.9273941	52.3207837	46.935307	0.021110876	5.55922381	0.833977988	YPR003C
YDR407C	184.000875	173.247729	185.14818	183.830948	190.843805	175.66846	0.021080654	7.50971036	0.811608754	TRS120
YKR079C	89.5672595	96.0057184	84.3123291	90.0529218	87.5053706	96.3239038	0.020939078	6.50389615	0.811338528	TRZ1
YOR132W	72.5350127	66.8241241	68.6361674	69.535283	68.8054142	72.6302894	0.020905664	6.12811655	0.808396769	VPS17
YLR380W	121.724668	110.740409	115.180447	118.139027	120.866571	113.626053	0.020882156	6.86824604	0.804458484	CSR1
YBR186W	12.6262216	11.9143787	10.834104	12.062243	11.8585089	11.9436476	0.02087233	3.58413754	0.902768954	PCH2
YGR035W-A	2.95927069	2.7051971	2.42102883	2.18775975	3.12751883	2.90521158	0.020856766	1.50200154	0.963454454	YGR035W-A
YMR217W	1195.28231	968.057661	1119.90741	1132.55001	1090.72219	1107.46665	0.020775082	10.1064835	0.837417538	GUA1
YGL092W	309.868522	311.155224	321.936309	314.860019	324.936175	316.861743	0.020771064	8.30708841	0.810717544	NUP145
YCL011C	289.67972	253.482724	290.09978	303.625577	265.383004	276.12422	0.020646174	8.12853664	0.833166339	GBP2
YGL141W	66.4849481	68.0903866	63.2493782	70.0674408	66.5249318	64.0437752	0.020640795	6.05613619	0.814074046	HUL3
YDL140C	746.065021	635.26086	759.174116	688.493908	742.329625	740.31247	0.020529293	9.48926873	0.837137485	RPO21
YDR232W	318.614811	244.849116	319.999486	291.563334	299.459928	304.982655	0.020489542	8.21276199	0.852479361	HEM1
YOR144C	40.0487967	46.1610229	38.7364613	43.5778092	39.6803951	43.5136134	0.020429454	5.39537856	0.845180374	ELG1
YKL090W	18.9393324	19.7421831	18.7024477	18.5072649	22.5441982	17.1730284	0.020041055	4.27712342	0.889085978	CUE2
YJL105W	15.1909229	13.9864446	15.0709045	14.1908741	13.8783648	16.7856669	0.01981395	3.90365663	0.897314765	SET4
YDL230W	26.5019131	26.9368562	25.6023799	27.080918	25.7368737	27.3089888	0.019808129	4.7362538	0.8597674	PTP1
YDL207W	71.3513044	79.0262898	76.5045111	77.8132929	74.2785722	77.9887908	0.019775207	6.25349227	0.814402272	GLE1
YCL004W	27.7513829	28.1455613	29.8997061	26.6670175	30.1023687	30.2787607	0.019745821	4.85423479	0.857413464	PGS1
YNL253W	27.0280056	28.9513647	28.8102431	28.3226195	29.9068988	27.7609106	0.019439994	4.83744284	0.856743852	TEX1
YOR201C	58.7908444	61.7015169	61.130978	66.6971082	58.7712913	58.5561533	0.019343398	5.93257698	0.834311347	MRM1
YDR448W	41.4955512	45.4127769	45.2127134	44.4056101	43.5897937	45.9669032	0.019227166	5.4749946	0.83649961	ADA2
YGL137W	539.902497	504.605596	502.108748	572.542641	515.323884	485.751376	0.019154268	9.02577063	0.842220318	SEC27
YML126C	852.664528	700.128033	832.349712	816.507418	792.956336	807.326017	0.019084805	9.64463416	0.849401675	ERG13
YDL143W	348.602087	333.02703	326.899418	358.437828	339.661576	323.70513	0.018990399	8.40306911	0.834168013	CCT4
YLR145W	10.3245666	11.1085753	12.1051442	12.1805003	11.5978823	10.2005206	0.018869065	3.50917525	0.917103782	RMP1
YKL033W-A	117.976258	118.683328	123.593522	123.992762	116.760703	124.213935	0.018814405	6.91882731	0.82001828	YKL033W-A
YDR503C	28.803568	24.1741018	23.9681854	28.1452336	25.5414038	24.1455362	0.018791511	4.69567961	0.891411008	LPP1
YML037C	14.0072146	14.9073628	15.8577388	13.2448158	17.5271368	14.6551784	0.018749964	3.92126387	0.904397698	YML037C
YOR025W	74.2448135	67.6874849	70.3914133	74.5612176	69.5221373	70.8871625	0.018697599	6.15656342	0.831987311	HST3
YAL031W-A	5.39244881	5.06504989	3.63154325	4.90767729	5.21253138	4.13185646	0.018626585	2.27625254	0.952187575	YAL031W-A
YFL045C	789.336135	654.485026	744.042686	786.35181	719.785427	709.969149	0.018603068	9.51985343	0.854086363	SEC53
YGR218W	386.480752	390.296629	383.430441	379.842396	393.546119	401.887601	0.018571256	8.60498901	0.831462475	CRM1
YDR311W	49.649986	48.9237774	48.1784738	48.8402583	48.997795	50.8089225	0.018516149	5.62508926	0.835951032	TFB1
YIL123W	805.973813	629.677793	804.628932	705.995966	749.952952	813.13644	0.01846855	9.55393304	0.870176996	SIM1
YOL100W	52.872303	55.4277619	53.9284172	54.2209647	57.4030018	52.7457302	0.018466511	5.76972521	0.83462971	PKH2
YOR239W	190.116701	166.973974	184.240294	197.075764	177.226067	173.731652	0.018148262	7.50527917	0.849749908	ABP140
YGL237C	17.7556241	22.9653967	15.0709045	17.9159785	18.1787032	20.4656016	0.01806108	4.23718319	0.91285991	HAP2
YKR002W	67.4713717	86.2209629	79.7729	82.8392275	80.2729833	73.3404523	0.017704599	6.29402201	0.86063714	PAP1
YBR199W	196.75862	204.098488	210.75056	214.814356	210.195328	194.132694	0.017673646	7.68128272	0.844083739	KTR1
YPR080W	1065.498	9538.87032	10274.7858	11065.9254	9984.9948	9904.77011	0.01766231	13.3241702	0.855765778	TEF1
YDR498C	38.470519	38.7936776	37.0417411	39.3205469	38.7682021	37.5740697	0.017222416	5.26503996	0.860341712	SEC20
YDL036C	26.6334362	31.7716766	28.6891917	30.9834084	28.408296	28.7938747	0.017200711	4.8754707	0.880383142	PUS9
YER136W	212.870205	236.157951	206.634811	225.98967	222.053837	215.502139	0.017144514	7.78136841	0.851452747	GD11
YKL041W	19.3339018	17.7276746	13.7998643	19.0985514	14.9208711	17.3667092	0.016827305	4.10152497	0.929410523	VPS24
YPL175W	38.7993268	39.1965793	37.4048955	40.3848625	37.7908525	38.5424736	0.016791681	5.27850664	0.86505901	SPT14
YLR322W	1.31523142	1.66916417	2.42102883	1.41908741	1.43344613	2.64697055	0.016770051	0.95697772	0.959366529	VPS65
YDR272W	43.4026368	44.0313996	37.283844	43.10478	42.4169741	40.6084018	0.01653393	5.39000902	0.874977262	GLO2
YGL160W	96.8667939	77.8175847	89.0333353	93.3641257	87.5705272	85.6069011	0.016337148	6.46741938	0.870370292	AIM14
YKL131W	2.30165498	2.87786926	2.54208027	1.8329879	2.67142233	3.35713338	0.016287257	1.4419728	1	YKL131W
YKL091C	23.4111192	28.3182335	20.280848	27.258304	23.6518611	22.4669695	0.016281561	4.61269182	0.912313878	YKL091C
YML127W	155.131546	145.27484	154.764268	159.35169	152.727169	148.16579	0.016279177	7.25448016	0.848733023	TRC9
YDR174W	224.444241	248.590346	226.245144	250.468928	234.172972	222.539207	0.016192253	7.87374203	0.862236849	HMO1
YDL237W	171.374654	128.928543	154.703742	166.801899	145.364469	147.778429	0.01618903	7.25364007	0.884288829	AIM6
YGL171W	71.2197812	77.0693387	80.3781572	77.0446205	74.669512	79.6027972	0.016183376	6.26293648	0.850573178	ROK1
YMR047C	329.728516	297.974583	348.5071	302.324747	343.180035	341.652881	0.016057952	8.35462395	0.870250305	NUP116
YHL030W	227.074704	191.205633	216.137349	209.84755	218.014125	213.565331	0.016053018	7.73300297	0.865930722	ECM29
YBR097W	52.1489257	61.3561726	52.4757999	58.5964842	55.187676	54.1014956	0.015975414	5.8017846	0.869089793	VPS15
YMR004W	40.7721739	43.8587275	43.3969418	44.5238674	40.9183713	44.0300955	0.015975035	5.42791804	0.86735298	MVP1
YOR140W	89.5672595	87.0267663	99.2016564	81.3018828	96.2363606	101.424164	0.015971389	6.53245339	0.872365458	SFL1
YNL186W	205.767955	196.673585	216.561029	196.839249	212.410654	216.664223	0.015943221	7.69766517	0.86052047	UBP10
YIL019W	20.5833717	19.7997405	20.2155907	19.3941946	19.9379325	21.9504875	0.01594317	4.35266224	0.901627263	FAF1
YCR054C	38.4047574	40.4628418	34.681238	38.6701319	39.2894553	36.8639069	0.015938177	5.25506491	0.878613715	CTR86
YDR353W	421.465908	470.589181	433.001007	458.601747	440.719528	440.430075	0.015859829	8.79529279	0.861549198	TRR1

YML006C	51.5570716	58.0178442	59.8599379	53.9253215	54.0800131	63.3981726	0.015696299	5.8312316	0.874587765	GIS4
YDR394W	169.13876	180.384845	162.269457	180.815387	174.554645	161.981685	0.015602542	7.42338465	0.863943221	RPT3
YHR104W	87.2656045	93.8760952	88.1859752	93.1276112	92.0011789	87.1563473	0.015590198	6.4982542	0.852156283	GRE3
YOL028C	14.0072146	16.28874	14.6472244	15.3734469	15.5724375	14.5260579	0.015544925	3.92617243	0.91808067	YAP7
YIR007W	34.1960169	38.6785628	35.5891238	33.9398405	38.1166357	37.7031902	0.015506257	5.18963232	0.878482435	YIR007W
YNL311C	42.1531669	42.7075798	39.5838214	38.3744887	41.7654077	45.7086621	0.015433347	5.38649295	0.879718238	SKP2
YKL079W	35.0509173	39.8872679	35.1049181	35.181542	38.246949	37.896871	0.01529009	5.21028878	0.880093761	SMY1
YGL019W	87.0025583	87.8901271	74.4466366	97.6805166	80.4032966	73.7923741	0.015252343	6.38673538	0.894531619	CKB1
YNL243W	430.672528	382.468824	418.535359	423.420205	421.237692	399.950794	0.015177328	8.68940454	0.869374333	SLA2
YLR404W	19.005094	20.9508882	20.2761165	18.1524931	19.4166794	23.3708131	0.015000954	4.3445826	0.912228309	FLD1
YGL124C	31.4340309	37.5849725	31.3523234	33.4668114	34.2072372	33.8295748	0.014893404	5.07808796	0.891884981	MON1
YFL028C	25.8442974	33.8437425	28.3865631	34.8267701	28.7340792	25.4367414	0.014888996	4.89090982	0.919328578	CAF16
YOR067C	178.34538	153.160202	181.637688	156.040486	172.404475	190.000837	0.014835778	7.4265452	0.886192495	ALG8
YHR078W	88.8438822	80.9256835	83.888649	78.3454507	85.9416111	91.9983666	0.014806231	6.41104681	0.870753674	YHR078W
YOL132W	4.14297896	3.91390219	3.63154325	4.0798763	2.99720554	4.71289878	0.014765761	2.01330263	0.972325017	GAS4
YHR188C	316.115871	258.432659	322.723143	290.499018	305.910435	310.018355	0.014751245	8.23228192	0.88630956	GPH16
YLR403W	175.649156	148.785841	179.337711	148.353763	175.531994	185.029697	0.014612043	7.39984462	0.892537967	SFP1
YNL212W	109.624539	110.625294	107.735783	120.977202	110.179882	100.068399	0.014557037	6.78139431	0.87497461	VID27
YDL225W	69.115411	73.2129939	72.2677106	70.5404699	71.5419932	74.7607779	0.014514094	6.17057057	0.861069239	SHS1
YIL079C	25.9100589	30.5629715	28.8707688	27.7313331	30.4281519	28.1482722	0.014444604	4.84496364	0.897111097	AIR1
YDR206W	140.992808	167.319319	157.972131	142.026998	159.242834	169.858037	0.014356919	7.28874891	0.882972726	EBS1
YDR172W	361.096786	361.172592	368.662165	372.924345	373.086934	355.727018	0.014234682	8.5140045	0.870601709	SUP35
YJL044C	97.8532174	99.9196206	86.9149351	106.66807	94.4771313	86.2525037	0.014123689	6.57717411	0.889753912	GYP6
YNL167C	85.0297111	80.8681261	90.607004	77.2220065	90.4374195	91.4173243	0.013970101	6.42692528	0.881412546	SKO1
YHR001W	64.4463394	73.9612399	63.0678011	71.9004287	67.567438	76.9392149	0.013836177	6.07951507	0.885112042	OSH7
YIL068W	50.7021711	62.0468612	55.0784059	52.9792632	55.3577011	57.2649482	0.013716738	5.81684889	0.887580733	PRS4
YJR104C	415.678889	410.384156	349.717615	490.885986	372.109584	323.898811	0.013712978	8.62178369	0.92005357	SOD1
YLR347C	286.786211	241.107886	269.944715	253.247974	267.98927	284.129692	0.013649804	8.06233733	0.88999935	KAP95
YIL060W	5.65549509	5.75573851	5.99204636	7.27282297	5.21253138	5.03570007	0.013525892	2.57479813	0.979293806	YIL060W
YDR545C-A	6.7734418	12.4323952	3.26838892	13.0674299	5.53831459	4.06729621	0.013407804	2.94792737	0.978968014	YDR545C-A
YLR376C	7.2337728	7.25223053	7.50518938	7.0363084	7.68848379	7.48898984	0.013341624	2.90467631	0.959488299	PSY3
YNL246W	106.599506	90.0197504	104.164765	99.8091477	101.774675	101.876086	0.013253221	6.65559352	0.885720275	VSP75
YER033C	32.025885	30.7932011	33.3496722	33.7033259	31.9919114	31.3117248	0.013241183	5.01442522	0.905095972	ZRG8
YOR370C	196.298289	222.171507	214.926835	213.158754	211.759087	214.404614	0.013229569	7.72964741	0.882747442	MRS6
YDL177C	4.47178682	6.73421406	4.84205766	4.84854864	6.05956773	5.35850135	0.013106097	2.46410808	0.958028015	YDL177C
YPL098C	32.025885	27.5124301	28.1444602	32.9937822	24.6943674	30.6661222	0.013043383	4.88090051	0.930387784	MGR2
YIL159W	74.1790519	66.2485503	73.478225	63.9771907	76.1681148	75.7291818	0.012997645	6.16457158	0.893968303	BNR1
YGL146C	10.7191361	10.8783458	10.4709497	10.6431556	10.1644362	11.5562861	0.012990733	3.44126228	0.939635756	RRT6
YNL234W	23.4768808	25.0950199	23.5445054	21.8775975	24.954994	26.0177837	0.012957122	4.60168383	0.914238678	YNL234W
YCL036W	81.5443479	75.3426172	91.0306841	74.1473171	83.2050322	92.8376499	0.012853661	6.37722778	0.90195831	GFD2
YOL120C	2214.65242	1850.98795	2165.06556	2057.44023	2110.81458	2117.44732	0.012696832	11.0266443	0.898279905	RPL18A
YKL092C	70.496404	75.6304041	69.1808989	73.3786447	73.2360659	70.6289214	0.012658835	6.17435455	0.881655096	BUD2
YDL227C	74.1790519	84.8971431	77.6544998	83.0166134	77.1454644	78.68989536	0.012594548	6.31113753	0.886034976	HO
YHR003C	55.8315737	59.2265493	55.5626117	57.8869405	54.4057963	59.8473585	0.012568952	5.83934985	0.888869458	TCO1
YOR151C	575.479507	564.177489	570.57597	573.725213	584.585394	566.709938	0.012429516	9.16154368	0.887212685	RPB2
YPL096W	23.0823114	25.2101347	22.8181967	22.8827845	24.954994	23.9518554	0.012403266	4.58142547	0.916709106	PNG1
YPR037C	34.7221094	32.9803817	36.194381	36.2458576	34.598177	33.8941351	0.012379518	5.12503219	0.909145457	ERV2
YHL034C	230.165498	231.323131	222.855704	268.917064	221.59774	199.555755	0.012251846	7.84053709	0.912337563	SBP1
YBL006C	36.4319103	39.8872679	37.5259469	34.5902556	37.8560092	42.4806493	0.012251386	5.25736156	0.90815503	LDB7
YLR313C	21.306749	26.7066267	22.0313624	26.6078889	22.8699814	21.1757644	0.012215516	4.56063461	0.933888995	SPH1
YBR274W	55.9630968	52.2045483	56.1678689	58.4190983	53.5587599	53.6495738	0.012207251	5.78447422	0.899193717	CHK1
YKL100C	222.931725	174.226205	217.287338	201.569541	206.220773	211.757644	0.012166533	7.68487449	0.908736214	YPF1
YDL087C	19.3339018	16.6340843	15.1919559	17.0290489	17.7877633	16.7211066	0.012094968	4.10667736	0.938620385	LUC7
YDR443C	69.4442188	67.0543537	68.2124873	65.5145353	71.8677764	69.0794753	0.012087461	6.10106405	0.888658958	SSN2
YER060W	46.6907153	43.8587275	48.7232052	48.6037437	44.9580832	46.8061865	0.012037825	5.54630861	0.90405853	FCY21
YBR237W	38.2074727	40.347727	43.9416733	42.454365	41.5699378	39.5108774	0.01194141	5.36236506	0.906981958	PRP5
YMR259C	133.693274	136.180773	133.761843	123.63799	137.024419	146.422663	0.011922455	7.07932684	0.893023906	TRM732
YGL155W	55.9630968	60.7230413	51.810017	59.3651566	56.3604956	54.1660558	0.011899577	5.82097659	0.902385304	CDC43
YDL039C	223.786626	189.996928	277.51043	154.444013	244.663192	297.881027	0.011715629	7.85460813	0.950929997	PRM7
YMR229C	488.411187	467.250853	498.005631	457.419175	500.012073	508.089225	0.011680775	8.9267234	0.898428201	RRP5
YGR046W	48.4005162	57.6724999	53.3836857	46.5933699	54.5361096	59.7827982	0.011578437	5.74195597	0.913624972	TAM41
YJR004C	47.1510463	43.8011701	47.1495365	42.0995931	48.3462286	48.8075545	0.011578411	5.53402696	0.907958491	SAG1
YLR217W	26.3046283	33.7286277	29.476026	30.1556074	28.408296	31.7636466	0.011551051	4.91235187	0.92273112	YLR217W
YLR261C	2.63046283	2.35985279	2.54208027	2.9564321	2.99720554	1.61400643	0.011426248	1.40192916	1	VPS63
YPL081W	116.463742	135.202298	116.572538	140.19401	122.038391	108.913154	0.011421744	6.94696483	0.915102814	RPS9A
YLR361C	70.1675961	58.7660902	69.0598474	72.4917151	61.4427137	65.4641009	0.011421305	6.05209768	0.916978728	DCR2
YOR074C	45.1124376	46.2185803	42.8522103	52.3879768	40.7880581	41.9641676	0.011359832	5.49277427	0.925722251	CDC21
YDR268W	24.3975428	30.4478567	24.1497626	27.9678477	26.7142233	24.9848196	0.011269009	4.73257848	0.931459466	MSW1
YGR278W	22.6219804	24.4043313	20.6997965	21.2271825	24.1079576	22.9834516	0.011250713	4.51064588	0.929547243	CWC22
YAL023C	1065.0744	811.271344	1023.97414	972.843547	966.794258	983.123598	0.011177536	9.92275632	0.91940533	PMT2
YOL035C	4.40602525	5.75573851	5.62889203	5.32157778	5.21253138	5.42306161	0.011173905	2.43950324	0.97612664	YOL035C
YML067C	115.148511	116.496148	121.898802	109.328859	123.341524	123.697453	0.011064026	6.88794755	0.897674565	ERV41
YKL113C	59.5142216	60.2050249	60.707298	64.2137052	62.4852199	55.0698994	0.011033158	5.9187737	0.908077777	RAD27

YOR292C	35.248202	27.9728892	33.4707236	33.8807119	29.4508023	33.9586953	0.010674285	5.01988168	0.939842192	YOR292C
YOR114W	7.10224965	8.74872254	6.83940645	8.27800988	7.49301386	7.1016283	0.010605686	2.95059491	0.96386503	YOR114W
YDR162C	12.4946985	14.5620184	15.4945845	14.36826	14.7254012	13.8158951	0.010465356	3.84564983	0.940805531	NBP2
YMR135C	51.2282637	57.0393687	50.7810797	54.0435788	50.4312411	55.7800623	0.010442017	5.73741566	0.912588466	GID8
YGL084C	161.57618	126.56869	145.26173	146.520775	141.45507	148.424031	0.010439408	7.18063187	0.918244213	GUP1
YCR049C	24.4633044	19.7421831	24.6944941	24.3610005	22.1532584	22.7897708	0.010432987	4.53298625	0.948315509	YCR049C
YMR111C	14.401784	14.9649201	14.2840701	13.6587163	14.4647746	15.8818233	0.010389561	3.88067022	0.951696446	YMR111C
YMR184W	22.227411	30.5054141	25.8444828	29.0321632	28.0173562	22.1441682	0.010299505	4.7250715	0.946066243	ADD37
YGR160W	99.1026873	109.934606	105.677909	106.963713	105.227977	104.845858	0.010262725	6.72007926	0.901479487	YGR160W
YDR427W	124.7497	166.053056	134.003946	143.859986	150.96794	133.12325	0.010184634	7.15251498	0.924743731	RPN9
YDR459C	40.2460814	37.9878742	42.2469531	37.1327872	41.1138413	43.1262519	0.010173144	5.33704699	0.922993078	PFA5
YDR215C	3.48536326	3.45344311	2.72365744	3.54771852	2.99720554	3.16345261	0.010030837	1.74614132	1	YDR215C
YMR139W	41.1667434	45.2976621	43.2153646	49.1359015	41.6350944	39.7691185	0.010013414	5.44339361	0.930341886	RIM11
YNL029C	43.4683983	41.095973	37.7075241	45.4107971	41.0486846	36.5411056	0.009845034	5.35780069	0.937196221	KTR5
YNL046W	41.7585975	30.9658732	37.8285755	32.875525	36.0967798	42.2869685	0.009814068	5.21184842	0.946106544	YNL046W
YLR222C	151.383136	153.966005	154.037959	157.282188	154.225772	151.006442	0.009809496	7.26470057	0.905471501	UTP13
YKL064W	138.888438	129.158772	134.246049	138.124508	132.398297	134.414456	0.009771908	7.07316498	0.908742806	MNR2
YGL220W	51.2940253	51.3987449	54.6547259	57.47304	50.822181	50.0341994	0.009638525	5.72100943	0.924933113	FRA2
YDL236W	103.114143	110.164835	108.280515	110.629689	103.468748	109.623317	0.009555882	6.7505947	0.909068075	PHO13
YJR116W	36.3661487	28.7211352	36.9812154	34.0580978	31.9919114	36.6056659	0.009441058	5.0972062	0.94652947	TDA4
YKL149C	23.4111192	28.83625	25.5418542	27.6130758	26.9096933	23.8227349	0.009308292	4.7095348	0.942769858	DBR1
YLR083C	536.811703	421.665404	518.52385	474.389095	497.14518	514.868052	0.00923498	8.94836868	0.931067921	EMP70
YDR227W	83.1226256	85.9907334	85.5833692	79.4688949	90.7632027	86.1879434	0.009108101	6.41454853	0.914623493	SIR4
YAL001C	93.1841459	97.6748826	101.441108	101.169106	100.015446	92.9667705	0.009035059	6.61284208	0.916570023	TFC3
YNL173C	47.1510463	44.837203	44.3048276	51.1462753	42.5472874	43.3199326	0.008979233	5.51358472	0.938729317	MDG1
YDR522C	7.43105751	6.33131237	7.62624082	5.9128642	6.97176072	8.65107447	0.008882672	2.86049752	0.98250977	SPS2
YDR465C	79.3084545	91.5737998	85.7044206	87.9242907	87.1144307	83.2181716	0.008852739	6.42533047	0.918911559	RMT2
YJR043C	19.6627097	24.4618887	23.6655568	21.1089252	22.7396681	24.4683375	0.008726541	4.5119915	0.945383091	POL32
YNL260C	10.6533745	11.2812475	9.56306389	12.8309153	9.31739984	9.49035782	0.008717424	3.41458702	0.987051428	LTO1
YIR006C	513.66363	450.78944	508.47658	476.931626	513.238871	491.626359	0.00870177	8.94416576	0.926700061	PAN1
YER172C	218.722985	196.443355	210.690034	197.903566	219.382414	212.338686	0.008695563	7.7098065	0.925317282	BRR2
YOL072W	26.5676746	34.1890868	29.1733974	28.7956487	30.8842484	30.9243632	0.00867691	4.91767474	0.940213022	THP1
YMR087W	22.9507882	23.1380688	21.4866309	24.5975151	21.7623185	21.5631259	0.008499418	4.50552507	0.954628568	YMR087W
YMR022W	46.1646227	49.4993512	50.1758225	47.4802995	49.9751446	49.3240365	0.008411615	5.6116463	0.92604321	UBC7
YDR087C	29.9215147	31.7716766	33.9549294	32.875525	29.3856457	33.9586953	0.008371813	5.00495015	0.943766208	RRP1
YJR151C	29.0008528	24.4618887	28.6891917	24.7157724	27.3657898	30.5370017	0.008293549	4.784819	0.95312006	DAN4
YGL064C	32.2231697	35.2826771	34.6207123	33.52594	33.8162973	35.4435812	0.00828809	5.09931308	0.936175243	MRH4
YCR002C	123.434469	126.56869	127.588219	134.872432	127.973234	122.85817	0.008245839	6.98127409	0.924413431	CDC10
YNL022C	54.1875344	65.5578617	56.1678689	56.8817536	60.1395808	60.0410393	0.008194779	5.88173493	0.930713239	RCM1
YJL141C	63.131108	71.1984854	60.5862465	65.2780208	66.3946185	64.4311367	0.008190611	6.02904161	0.928911278	YAK1
YIL041W	263.835422	279.844007	269.884189	284.172254	264.601124	269.409954	0.008171213	8.08794685	0.927008702	GVP36
YJR155W	12.8892679	12.3748378	12.347247	12.8309153	12.379762	12.5892502	0.008050905	3.66577019	0.972237531	AAD10
YLR116W	86.6079888	84.8971431	95.0253816	84.9678586	92.7179019	90.3843602	0.008016021	6.47926375	0.927144741	MSL5
YMR144W	19.1366171	19.3968388	19.9734879	20.2219956	19.3263661	19.3035169	0.007744414	4.29871433	0.958725026	YMR144W
YBR201W	5.98430295	8.46093562	6.77888073	7.56846618	6.51566423	7.29530907	0.007740755	2.85639994	0.98186831	DER1
YLR354C	697.993313	710.54592	683.274862	808.820694	695.28653	598.731826	0.007644768	9.44966656	0.94560389	TAL1
YMR276W	283.235086	263.900611	271.397332	256.02702	283.105611	283.742331	0.007607794	8.0963338	0.933937924	DSK2
YCR008W	142.242278	128.870985	139.572312	123.756248	142.497577	146.616344	0.007545577	7.10185979	0.936084126	SAT4
YLR171W	9.14085835	9.6696407	10.410424	8.92842494	9.64318305	10.8461232	0.007533954	3.30664846	0.968989958	YLR171W
YPL242C	154.145122	157.131661	149.982736	166.698161	160.611123	156.429503	0.007514929	7.26945379	0.929145227	IQG1
YDL152W	3.81417111	3.51100049	2.66313171	2.71991753	4.30033839	3.03433209	0.007486915	1.78797633	1	YDL152W
YPR133C	73.9160057	73.7885678	71.6019277	81.1244968	75.0604519	64.1728957	0.007476188	6.19792564	0.943684728	SPN1
YLR092W	28.803568	30.2751846	29.7786546	27.080918	29.1250191	33.1839722	0.007345489	4.89854503	0.949681249	SUL2
YJL207C	208.266895	205.076963	196.04281	198.672237	212.019714	201.815364	0.007340727	7.67077689	0.934038216	LA41
YDL105W	11.3109902	13.4108707	11.1367326	11.8257284	12.7707019	11.4917258	0.007279088	3.59949062	0.960336705	NSE4
YIR027C	9.20661992	6.9644436	7.5657151	7.09543704	8.47036349	8.26371293	0.007234219	3.00579383	0.982873232	DAL1
YDR180W	90.2248752	88.2930288	94.0569701	87.0964897	93.8255649	93.0313307	0.007039788	6.51104951	0.933742539	SCC2
YHL023C	79.1769313	85.0698152	75.5966253	81.4792687	82.0973693	77.4723087	0.007024029	6.32693676	0.936349411	NPR3
YFR012W	1.44675456	0.92091816	2.29997739	1.00518691	2.08501255	1.61400643	0.006957511	0.74421872	1	DCV1
YNL126W	66.4191866	78.911175	70.6940419	71.0134991	70.4343303	75.7291818	0.006798281	6.17662845	0.939967227	SPC98
YPL086C	96.9325555	112.812475	107.675257	104.835082	106.53111	107.686509	0.006791602	6.73082153	0.936801719	ELP3
YHR041C	75.7573296	55.3126471	66.5782929	63.7998047	66.3946185	68.2401919	0.006647564	6.0467981	0.957842148	SRB2
YGR171C	35.9715793	40.6930713	36.1338553	38.0197168	37.2044427	38.155112	0.00660605	5.2414179	0.949240974	MSM1
YHR151C	74.5078598	57.2120408	73.5387508	64.3319625	65.6778954	76.1165433	0.006579215	6.10147664	0.958077366	MTC6
YBL002W	472.825695	406.930713	458.966541	426.672281	462.22122	455.859977	0.006532898	8.80526641	0.946013413	HTB2
YMR172C-A	4.7348331	3.56855788	3.44996609	3.60684716	4.30033839	3.87361544	0.006503206	2.01198106	1	YMR172C-A
YOR086C	423.438755	361.230149	422.106377	421.114188	408.27152	382.713205	0.006490812	8.65557347	0.947981495	TCB1
YGR133W	18.2817167	18.0730189	16.3419446	19.15768	16.5497871	17.1730284	0.00645357	4.14776077	0.968635831	PEX4
YDR434W	147.963534	133.072674	148.590645	145.692974	139.500371	146.228983	0.006318419	7.1661727	0.944416493	GPH17
YOL080C	15.3882076	17.9003468	17.7945619	16.674277	17.5271368	17.1730284	0.006300322	4.10493131	0.967625005	REX4
YHR195W	31.8286003	30.332742	29.7786546	35.5363138	28.7992359	27.8900311	0.006251665	4.94621665	0.969942756	NVJ1
YMR235C	327.3611	316.680733	303.899644	363.049862	305.714965	283.161288	0.00624323	8.30734237	0.953621197	RNA1
YOR295W	8.87781207	10.5905589	8.59465235	10.3475124	9.38255649	8.4573937	0.006086445	3.24987208	0.984708713	UAF30

YDR423C	32.2231697	29.9298403	31.5944263	31.3973089	29.4508023	33.2485325	0.006029181	4.97392844	0.963218206	CAD1
YKL204W	84.7009033	87.9476845	92.4833014	80.2375672	91.3496125	94.7744577	0.005983166	6.47085131	0.946834609	EAP1
YHR135C	206.162525	210.66003	209.661097	206.595475	215.668486	206.851064	0.005963951	7.7100486	0.945410673	YCK1
YMR080C	245.027613	238.575361	264.800028	249.404612	253.003242	249.073473	0.005924306	7.96637849	0.947900234	NAM7
YJR135C	4.93211781	5.4103942	5.50784059	4.61203408	4.95190481	6.39146547	0.005897164	2.43893685	1	MCM22
YDR321W	349.98308	278.347515	329.441498	313.440931	312.81704	335.325976	0.005887629	8.32190965	0.955212438	ASP1
YKL040C	29.1323759	34.7071032	31.7760034	32.8163963	33.2950442	29.9559594	0.005728181	5.00381796	0.960714228	NFU1
YGL136C	19.5969481	22.274708	24.3313398	22.4097553	22.6093549	21.4985657	0.005701652	4.47599158	0.967712041	MRM2
YOR093C	112.846856	112.294458	106.464743	105.958526	113.698341	113.303251	0.005699903	6.79283378	0.946312897	YOR093C
YMR118C	13.6126452	13.6986577	12.6498756	13.8361022	12.9010152	13.3639733	0.005688808	3.75167197	0.973658403	SHH3
YML078W	166.113728	155.347382	166.506258	172.596506	163.282546	153.911653	0.005676456	7.34947754	0.95139376	CPR3
YER167W	96.8010323	96.696407	96.0543189	89.520764	98.0607466	103.167291	0.005558087	6.59741197	0.948906653	BCK2
YJR017C	68.1289874	68.0903866	62.8862239	80.0601813	62.8761598	56.8130264	0.005554315	6.05787943	0.967800597	ESS1
YNR024W	6.51039552	7.71268961	6.29467496	7.62759482	5.66862788	7.29530907	0.005369491	2.80499017	1	MPP6
YLR071C	126.064931	125.647772	123.47247	117.725126	122.755114	136.157583	0.005360635	6.97062919	0.951524012	RGR1
YGR083C	173.281739	182.111567	170.561481	174.252108	173.772765	179.864877	0.005181515	7.45752093	0.952566139	GCD2
YDR359C	65.2354783	67.5723702	67.6677558	66.8153655	67.6325947	66.755306	0.004952247	6.06765333	0.954539293	EAF1
YNR051C	264.953369	203.292684	247.187044	259.397353	232.609213	225.702659	0.004930809	7.90068347	0.96627384	BRE5
YLR174W	15.7170154	12.3172804	14.4656473	16.1421193	14.1389914	12.2664489	0.004870509	3.83749699	1	IDP2
YPL145C	460.725565	356.625558	407.701255	423.183691	399.736	406.084018	0.004833031	8.67636377	0.964237733	KES1
YMR086W	178.937234	154.311135	178.671928	168.161858	177.226067	168.17947	0.004828256	7.41806437	0.960577394	SEG1
YCR082W	21.1094642	33.7861851	21.9103109	26.5487603	26.779938	23.8227349	0.004799205	4.69018551	0.978344494	AHC2
YHR168W	40.3118429	37.7576447	36.6785868	36.1867289	39.7455518	39.1880762	0.004647723	5.26392768	0.968057329	MTG2
YGL011C	104.889706	132.151756	98.8385021	112.226163	117.933522	106.911786	0.004639647	6.81119689	0.965737414	SCL1
YNL267W	145.135787	129.619231	138.724952	144.451272	136.372852	133.833413	0.004571738	7.1100148	0.961523989	PIK1
YKL005C	56.4891894	57.3271556	51.8705427	57.1182682	58.640978	50.4215609	0.004483304	5.79278854	0.967367523	BYE1
YPR174C	22.8192651	21.814249	25.2392256	23.0601704	23.8473311	23.1771324	0.004379264	4.55135158	0.978498087	YPR174C
YHR192W	31.105223	29.584496	31.7154777	33.0529109	31.6009715	27.9545914	0.004194656	4.95246296	0.97974168	LNP1
YDR035W	213.856628	210.717587	203.003268	233.617265	201.790121	193.874453	0.004166477	7.71157327	0.967618951	AR03
YER127W	45.1124376	52.8952369	54.3520973	48.7811297	50.6918677	53.455893	0.004108427	5.67281632	0.966224906	LCP5
YDR013W	15.9143001	20.4904291	17.7945619	18.9211654	18.765113	16.7211066	0.003958967	4.18927495	0.980916527	PSF1
YNL218W	29.72423	28.4333483	29.5970775	30.1556074	28.9295492	28.858435	0.003845832	4.87807633	0.980556001	MSG1
YBR084W	535.233425	541.384765	557.623466	510.575824	557.871171	570.196192	0.003815356	9.09169533	0.96674997	MIS1
YML096W	51.8858794	58.3056311	51.6889656	51.205404	54.0800131	57.1358277	0.00375571	5.75960134	0.967943705	YML096W
YHR062C	43.5341599	41.3262025	40.2496043	40.9761489	39.9410217	44.4820173	0.00363893	5.38782239	0.976679879	RPP1
YKR086W	66.0903787	69.0113048	65.9730357	64.1545766	68.4144744	69.0794753	0.003512534	6.07130054	0.967843557	PRP16
YGL003C	75.6258065	64.6945009	79.9544772	71.8413	73.6921624	75.2126997	0.003479684	6.2019287	0.975591781	CDH1
YDR287W	21.7013184	24.4043313	23.1208253	23.9471	23.8473311	21.6276862	0.003401478	4.53867291	0.983091717	INM2
YJR014W	70.4306424	71.428715	77.8360769	75.3890186	70.1085471	74.6962177	0.003330336	6.19857969	0.97290118	TMA22
YDL195W	729.558867	600.553757	726.671804	623.629787	724.150922	713.713644	0.003314441	9.42306874	0.975651413	SEC31
YNR054C	37.6813801	38.2181037	37.6469983	35.7136998	37.8560092	40.2856005	0.003208045	5.24866416	0.976927847	ESF2
YCL039W	70.1018345	66.4787798	76.2624082	69.4761544	69.7176072	74.1151753	0.003172113	6.15268153	0.975015087	GDM7
YBR263W	378.45784	338.610097	340.396654	359.2065	350.086639	350.368516	0.003133294	8.46340063	0.973697198	SH1
YIL084C	24.4633044	24.807233	22.333991	24.7157724	23.3260779	23.6936144	0.003096199	4.58597146	0.988413853	SDS3
YER088C-A	3.48536326	2.87786926	3.26838892	2.77904617	3.25783211	3.61537441	0.003094836	1.7349328	1	YER088C-A
YAL042C-A	53.792965	49.9022529	52.5363256	45.2334111	47.8901321	63.4627329	0.002931453	5.70714476	0.983146601	YAL042C-A
YOR349W	55.0424348	51.0534006	57.2573319	52.861006	51.0828075	59.718238	0.002877084	5.77134217	0.981173748	CIN1
YMR273C	82.7280562	73.4432234	85.0991634	79.8236667	84.6384783	77.2140677	0.002772695	6.33280668	0.979980836	ZDS1
YGR109C	9.60118935	12.1446083	9.19990956	10.2883837	11.2069429	9.55491807	0.002619854	3.38767573	0.986278466	CLB6
YML017W	106.665268	90.710439	103.498983	95.6701428	97.80012	107.88019	0.002574409	6.65073331	0.98151791	PSP2
YGR081C	16.7692006	20.7206587	18.3998191	19.5715805	19.8076192	16.6565464	0.002555627	4.23220567	0.990855615	SLX9
YPL108W	4.40602525	5.58306636	5.32626343	5.43983506	5.47315795	4.45465775	0.002523041	2.39185854	1	YPL108W
YML003W	8.74628893	7.07955837	8.23149803	7.09543704	9.2522432	7.74723087	0.002520217	3.02374635	1	YML003W
YBR245C	156.446777	146.36843	155.853731	164.200239	152.14076	143.00097	0.002483273	7.2585999	0.980811221	ISW1
YGR215W	7.82562693	10.4178867	7.74729226	10.5248983	8.47036349	7.03706804	0.002420609	3.14072052	1	RSM27
YGR223C	33.8014474	41.2110878	33.8944036	33.3485541	37.0089728	38.8652749	0.002389232	5.18918766	0.982532237	HSV2
YLR175W	595.997117	557.040373	601.444088	615.647421	563.083702	578.524465	0.002353367	9.19331453	0.9801951	CBF5
YBL007C	651.697167	538.103994	640.483177	591.877707	628.240345	612.999643	0.002288674	9.25425396	0.982344465	SLA1
YBL041W	85.6873268	120.467607	88.004398	93.7188976	97.1485536	103.877454	0.002109489	6.61905934	0.985393531	PRE7
YDR238C	477.429004	475.366444	434.211521	479.947187	453.49023	455.408055	0.001963282	8.85414649	0.983540195	SEC26
YAL007C	166.771344	154.484022	142.780175	168.856883	144.843216	130.799081	0.001914121	7.27515683	0.990306952	ERP2
YLR014C	42.8107826	43.8011701	40.9153873	39.9118334	44.0458902	43.7718544	0.001531564	5.41485235	0.989612444	PPR1
YGR155W	885.282267	895.592913	857.346835	923.885031	855.3764	861.492073	0.001408316	9.78129297	0.987990906	CYS4
YEL076C	9.79847406	8.518493	7.32361222	9.57884001	7.75364043	8.26371293	0.001330193	3.114853	1	YEL076C
YMR278W	61.8158766	70.9682559	62.4625439	64.6276057	67.1113415	63.7855342	0.001282651	6.02815307	0.989179495	PRM15
YHL029C	121.067052	117.935082	128.85926	107.850643	126.078103	134.349895	0.001261864	6.94016036	0.989931141	OCA5
YLR444C	7.95715007	7.30978791	8.17097231	6.62240791	7.62332714	9.23211679	0.000993764	2.9875824	1	YLR444C
YJR136C	18.939324	24.8647904	18.8840249	18.0342358	22.4790416	22.337849	0.000982607	4.39581797	0.994888905	TTI2
YDR283C	144.215125	150.627677	144.111741	157.104802	144.061336	138.02983	0.000943615	7.1946945	0.993822591	GCN2
YER183C	34.5248247	41.5564321	36.7996382	39.9118334	36.1619365	36.9284672	0.000910082	5.23993443	0.99662643	FAU1
YLR418C	35.8400561	43.0529241	36.6180611	39.4388042	39.7455518	36.4765454	0.000907452	5.27302663	0.995315524	CDC73
YKL108W	25.7785358	27.800217	28.3260373	29.1504205	26.9748499	25.8241029	0.000846146	4.77845178	1	SLD2
YDR513W	81.8073942	74.7094859	77.8966027	85.5000163	71.9329331	76.9558267	0.000826729	6.29022357	1	GRX2

YDR265W	19.1366171	25.7857085	19.4892821	21.3454398	20.6546556	22.5315298	0.000741822	4.4351059	0.998155929	PEX10
YDL071C	3.02503226	2.7051971	2.42102883	1.95124519	3.25783211	2.96977183	0.000690336	1.50254326	1	YDL071C
YML103C	334.857919	311.90347	337.249316	314.505247	338.03266	331.904283	0.000635411	8.35838302	0.995147453	NUP188
YDL161W	61.8816382	59.8596805	61.6151838	63.4450329	57.2075319	62.6880098	0.000426404	5.93645601	1	ENT1
YPR196W	12.3631753	11.9719361	10.5314754	12.5944007	10.0992796	12.1373284	0.000350411	3.55384569	1	YPR196W
YMR274C	31.4997924	27.7426596	35.5891238	26.7261462	32.1222246	36.0246236	1.5611E-05	4.98736594	1	RCE1
YOR083W	28.0144292	20.9508882	27.9023573	23.8879714	25.7368737	27.1798683	-0.00018927	4.68444497	1	WHI5
YJR092W	160.984325	150.973021	161.543149	154.739656	162.370353	156.300383	-0.000207337	7.30318877	0.999511748	BUD4
YBR198C	132.443804	123.748378	132.369751	128.663925	132.137671	127.635629	-0.000304001	7.01812035	0.998506888	TAF5
YGR172C	84.898188	72.9827644	90.7280555	77.3993924	83.2701888	87.8665101	-0.000317452	6.3744331	0.999889377	YIP1
YJL008C	286.786211	313.975536	294.215529	310.721014	293.59583	290.456597	-0.000362713	8.22123841	0.997813119	CCT8
YML020W	40.0487967	36.7216117	35.3470209	34.0580978	40.8532147	37.1867082	-0.000433331	5.22791053	1	YML020W
YJL206C	26.2388668	26.303725	23.4234539	23.119299	26.3884401	26.4697055	-0.000632208	4.66895116	1	YJL206C
YOR043C	1188.44311	885.980829	1139.51775	1046.16306	1027.19447	1138.97206	-0.000678047	10.0649367	0.995361864	SAH1
YOL063C	85.0954727	85.3576022	79.9544772	82.4844556	85.1597314	82.6371293	-0.000777005	6.38491277	0.996131501	CRT10
YDR060W	287.049257	295.442058	289.010317	296.293625	298.938675	275.801419	-0.000780404	8.18264592	0.993877438	MAK21
YHR196W	109.953346	126.741362	122.322482	121.391102	119.562439	117.95159	-0.000843647	6.90437676	0.996324318	UTP9
YER067C-A	1.1179467	0.57557385	0.90788581	0.94605827	0.84703635	0.77472309	-0.000985322	-0.0270882	1	YER067C-A
YMR186W	3009.84134	3376.14354	2731.58631	3405.57327	3021.7696	2683.96358	-0.000986893	11.5690445	0.993181006	HSC82
YML031C	218.262654	282.318974	213.353166	248.044653	238.994564	226.477382	-0.001013588	7.89516528	0.9942777	HHT2
YOR340C	66.1561403	74.9397155	65.7309328	76.5124628	70.5646436	59.5891175	-0.001015616	6.10976711	0.995128965	RPA43
YKL195W	92.2634839	94.0487673	99.7463879	92.9502252	96.6924571	96.2593436	-0.001074257	6.57667937	0.993967116	MIA40
YNL023C	85.8846116	84.436684	93.5727643	84.3765721	93.8255649	85.5423409	-0.00108176	6.46039405	0.994387426	FAP1
YDR047W	138.362345	146.713775	138.967055	149.595464	136.894105	137.190547	-0.001158023	7.14386678	0.990697427	HEM12
YJR140C	86.5422273	87.8901271	85.2807406	88.692963	87.7659971	83.0244908	-0.001178627	6.43729595	0.991293453	HIR3
YPR169W	96.077655	103.488178	95.0859074	112.107905	95.9105774	86.317064	-0.001202064	6.61925491	0.991512245	JIP5
YGR192C	31126.2667	24085.7512	29535.4623	30060.4103	27991.7496	26623.9399	-0.001213116	14.785318	0.991304162	TDH3
YHR148W	12.3631753	17.6701172	16.4629961	14.1908741	17.1361969	15.2362207	-0.001264194	3.96781353	1	IMP3
YBR121C	1225.0723	1324.62566	1183.15679	1376.51479	1214.71528	1138.2619	-0.001283566	10.2806157	0.990095814	GRS1
YMR079W	216.881661	188.327764	206.090079	191.813315	202.050748	216.793344	-0.001422889	7.67076725	0.98880252	SEC14
YOR238W	20.7148948	28.3757909	20.820848	21.641083	23.7170178	24.597458	-0.001438144	4.551406	1	YOR238W
YFR031C-A	1858.02742	1759.64438	1725.08726	1931.14145	1725.08726	1715.94708	-0.001518721	10.8072051	0.987233158	RPL2A
YLR043C	132.969896	128.007625	127.769797	142.559156	131.225478	114.400776	-0.001664775	7.01814575	0.985991575	TRX1
YGL089C	2.56470126	2.18718064	2.42102883	2.71991753	2.21532584	2.19504875	-0.001693878	1.32694554	1	MF(ALPHA)2
YKR062W	35.9715793	42.0168912	37.8285755	35.8319571	40.6577448	39.3171967	-0.001839699	5.27543141	0.998399977	TFA2
YDL078C	161.18161	182.054009	156.822143	181.051902	161.197533	157.139666	-0.001909106	7.38126085	0.985495652	MDH3
YBR216C	42.4162132	52.9527943	45.8784964	49.3724161	45.0883964	46.677066	-0.001924076	5.5610068	0.993089155	YBP1
YPR066W	15.6197307	15.0224775	14.2840701	14.6639032	14.7905578	15.300781	-0.002040581	3.91173653	1	UBA3
YGR161W-C	3.35384011	2.87786926	2.54208027	2.77904617	3.64877197	2.32416926	-0.002066774	1.60317362	1	YGR161W-C
YNR020C	17.3610547	17.4974451	17.4919333	17.502078	18.8302696	15.9463835	-0.00211247	4.13441078	1	ATP23
YOR216C	33.0123086	33.325726	34.6207123	35.0041561	34.0769239	31.6990863	-0.002248953	5.07690368	0.987898017	RUD3
YDR467C	2.82774755	4.6621482	2.60260599	3.31120395	2.80173562	4.00273595	-0.002294351	1.8092611	1	YDR467C
YDL074C	93.2499075	104.409097	99.8069136	101.346492	99.2335662	96.4530244	-0.002429681	6.63254122	0.981268753	BRE1
YIL115W-A	12.4946985	10.359032	11.9840927	11.4118279	10.3590961	13.557654	-0.002509291	3.57370569	0.987214545	YIL115W-A
YBR041W	242.660196	195.46488	227.334607	230.424318	215.798799	217.890868	-0.00258864	7.79251143	0.9789159	FAT1
YPL006W	160.721279	129.907018	156.095834	138.183636	149.339024	158.301751	-0.002722575	7.21779686	0.979017818	NCR1
YER016W	50.7679327	45.8156786	42.065376	47.5985568	46.3915293	44.2883365	-0.002791963	5.532067	0.978270764	BIM1
YJR113C	55.9630968	53.2405813	55.0784059	59.6607998	51.6692173	52.4874892	-0.003021627	5.77645873	0.973893534	RSM7
YBR080C	194.193919	195.004421	185.289231	190.394227	192.081781	190.77556	-0.003058744	7.58051965	0.972972864	SEC18
YPL164C	23.6741655	32.5199226	29.8997061	27.5612597	29.1812363	27.5612597	-0.003114274	4.84960098	0.992380943	MLH3
YEL026W	261.270721	239.093378	265.828966	250.882828	263.363148	250.235557	-0.003159929	7.9956422	0.972779585	SNU13
YDR390C	90.5536831	107.574753	90.2438497	91.9450383	98.8426263	97.0986269	-0.003166987	6.58759204	0.978521964	UBA2
YLR320W	78.3220309	69.1264196	77.8966027	77.1628778	76.1681148	71.4036445	-0.003195085	6.23134396	0.971166297	MMS22
YNL292W	57.0810435	52.2045483	54.8968288	54.339222	54.7315795	54.6825379	-0.003222668	5.77538761	0.972699141	PUS4
YFL054C	24.5948275	24.0014296	26.9944715	24.7157724	24.7595241	25.9532234	-0.003235009	4.66062044	0.985745103	YFL054C
YGR201C	23.0823114	20.3753143	20.5787451	22.2323694	22.5441982	19.0452759	-0.003265585	4.42144733	0.98293055	YGR201C
YER116C	15.8485386	14.2742315	16.0998417	14.7230319	14.4647746	16.9147874	-0.003344123	3.95453294	0.988742157	SLX8
YCL063W	60.1718373	61.0683856	62.7046467	57.1773968	64.3747626	62.0424072	-0.003441058	5.93957688	0.975957765	VAC17
YJR010W	43.0080673	42.0168912	37.3443697	42.0404645	42.1563475	37.8323108	-0.003441375	5.35249461	0.97618836	MET3
YGL161C	100.352157	91.8040293	89.8806954	97.0892302	93.6300949	90.5134807	-0.003503757	6.55455581	0.967021844	YIP5
YNL251C	180.581274	163.290302	185.632386	167.570571	176.053247	184.577776	-0.003515917	7.46267396	0.970602397	NRD1
YDR017C	151.711944	144.123692	155.187948	142.500027	156.180472	151.264683	-0.003531331	7.23147167	0.968944827	KCS1
YML082W	63.3941543	58.7085328	66.0940871	62.26246	61.8336535	63.5918534	-0.003577006	5.9719221	0.969764104	YML082W
YBR215W	39.0623731	38.9087924	38.6154099	38.0197168	40.071335	38.2196723	-0.003624675	5.28309274	0.97619911	HPC2
YPR019W	174.728494	154.253792	174.737756	167.747957	165.302401	169.276995	-0.003754632	7.39051065	0.966707715	MCM4
YKR016W	60.2375989	73.7310104	68.938796	68.2935815	69.2615107	64.9476188	-0.003760758	6.08127871	0.975616875	MIC60
YLR270W	58.5277981	68.0328292	53.0205314	63.4450329	55.6437725	60.0410393	-0.003777461	5.9051115	0.975421782	DCS1
YCR093W	416.796836	383.907759	400.861849	372.451316	412.540044		-0.003883434	8.64419594	0.966953798	CDC39
YDR142C	29.0008528	28.7211352	28.8102431	28.3226195	28.2128261	29.7622786	-0.003986357	4.85435074	0.977113844	PEX7
YIR022W	80.4921627	66.0183208	70.3914133	80.1193099	71.0207401	64.9476188	-0.004150405	6.17561461	0.966242097	SEC11
YHR086W	100.154872	80.4652244	95.6306389	81.8931692	95.8454208	97.6796692	-0.004204854	6.52420012	0.969475486	NAM8
YFR006W	208.201133	241.625903	208.571634	232.907721	212.47581	211.112041	-0.004242022	7.7767101	0.96623577	YFR006W
YDL101C	28.1459523	32.6350374	30.4444376	31.2790516	29.6462722	30.0850799	-0.004243213	4.93120372	0.978487941	DUN1

YFR035C	9.4696662	10.1300998	9.92621821	8.92842494	9.44771313	11.1043642	-0.00432135	3.31558763	1	YFR035C
YPR204W	435.80193	348.740197	433.061532	426.613152	401.951326	385.231055	-0.004354656	8.66301246	0.96689257	YPR204W
YIL137C	200.243983	176.183156	198.948044	188.502111	194.883517	190.129958	-0.004506967	7.58191187	0.961003306	TMA108
YMR138W	6.70768023	9.38185378	8.47360091	8.51452445	8.07942364	7.94091164	-0.004738591	3.05730957	1	CIN4
YGR159C	528.065414	593.416641	595.149413	522.992839	552.528326	635.595733	-0.004747378	9.15840026	0.963853124	NSR1
YDL015C	363.79301	279.786449	356.496495	296.825783	339.531263	360.375356	-0.004777616	8.37891664	0.967594542	TSC13
YGR116W	410.549487	393.865187	389.361962	393.087212	409.314027	387.361544	-0.004830824	8.63435762	0.956693595	SPT6
YOR177C	2.36741655	3.33832834	3.32891464	3.25207531	3.3881454	2.38872952	-0.004903806	1.65303864	1	MPC54
YGR016W	3.35384011	5.12260728	3.26838892	4.0798763	4.56096496	3.09889235	-0.005006432	2.01822131	1	YGR016W
YGR200C	186.171007	196.385798	197.73753	208.13282	184.328141	185.73986	-0.005122334	7.5941065	0.95611565	ELP2
YML080W	39.1938962	45.2401047	39.2206671	41.5083067	39.7455518	42.0287275	-0.00513866	5.36776531	0.967463501	DUS1
YGR179C	15.6512539	16.5765269	16.7050989	19.5124519	14.9208711	14.2678169	-0.005222961	4.0370548	0.980528736	OKP1
YKR050W	89.6330211	69.1264196	90.7280555	72.7282297	86.2022377	89.6096371	-0.005354558	6.37673896	0.964806738	TRK2
YOR126C	24.2660196	26.4763972	24.3918655	24.8931583	24.6292108	25.3721811	-0.005377526	4.65157285	0.972209432	IAH1
YPL116W	80.0318317	78.2780438	77.4729226	78.3454507	82.683779	73.8569343	-0.00540127	6.29583796	0.951487133	HOS3
YBR060C	55.5685274	60.9532709	56.7126004	59.2468993	56.8165921	56.5547854	-0.005439113	5.85239946	0.955958129	ORC2
YFL046W	13.4153605	13.6986577	12.5893499	13.7178449	13.8783648	11.9436476	-0.005549846	3.73706469	0.987159789	FMP32
YPL264C	13.2838373	13.3533134	14.6472244	13.0083012	13.5525816	14.5906181	-0.005588847	3.79294268	0.974740448	YPL264C
YKL014C	225.496427	227.006327	242.70814	207.778048	244.467722	240.357838	-0.005629836	7.85434669	0.954900331	URB1
YMR282C	43.9287293	54.2766142	45.9995478	48.6037437	47.173409	47.9682711	-0.005640775	5.58893987	0.964105615	AEP2
YKR057W	162.496842	156.958989	163.177343	177.681569	162.109726	140.805921	-0.005784383	7.32797212	0.952742261	RPS21A
YBL049W	3.87993268	3.33832834	3.93417185	4.31639087	3.77908525	2.96977183	-0.00579189	1.93712129	1	MOH1
YFL018C	262.717476	271.958645	254.147502	295.406695	253.915435	236.225981	-0.005850357	8.03637222	0.954028412	LPD1
YKL068W-A	5.65549509	5.98596805	5.8104692	6.03112149	5.53831459	5.81042315	-0.005888237	2.56890311	1	YKL068W-A
YLR007W	32.3546929	36.606497	35.8312267	32.8163963	34.8588036	36.7993466	-0.005929741	5.12951208	0.966431498	NSE1
YKL087C	25.6470126	32.2896931	25.64813285	31.5746948	26.6490667	24.855699	-0.006002199	4.80225181	0.97073037	CYT2
YDL149W	35.8400561	34.5344311	35.8312267	35.3589279	35.9664665	34.4106171	-0.006088415	5.14752691	0.954467189	ATG9
YGL190C	107.388645	108.725901	111.427852	100.696077	105.74923	119.759277	-0.006262344	6.76918699	0.947789365	CDC55
YNR014W	19.3339018	17.785232	24.0287112	19.6307091	21.4365353	19.819999	-0.00632274	4.3546069	0.972116019	YNR014W
YNL073W	63.4599159	68.2630588	63.3704297	67.7614237	63.8535094	62.6234495	-0.006353025	6.02287401	0.945251541	MSK1
YIL156W-B	5.52397195	4.83482035	4.78153194	5.61722099	4.56096496	4.84201929	-0.00656434	2.36501496	0.964806738	YIL156W-B
YKL135C	103.048382	115.805459	104.346343	111.417858	113.561493	113.561493	-0.006587225	6.75003594	0.948551797	APL2
YNL033W	3.22231697	4.48947604	4.3578519	4.13900494	3.45330204	4.45465775	-0.006733946	2.05481583	1	YNL033W
YJR080C	65.893094	78.4507159	66.6993443	69.0622539	69.4569807	71.6618856	-0.006740991	6.13626508	0.94892048	AIM24
YJL013C	22.6877419	25.2676921	23.6050311	25.1296729	22.0881017	24.0164157	-0.006742825	4.58109273	0.962509239	MAD3
YML133C	173.676309	145.159725	158.093183	167.807086	162.240039	144.485856	-0.006793825	7.31009021	0.943792439	YML133C
YGL098W	13.5468836	16.6340843	14.949853	15.196061	15.5072809	14.2678169	-0.006897113	3.92156562	0.977219398	USE1
YNL206C	60.0403142	66.4787798	59.5573093	62.7354892	65.3521122	57.1358277	-0.007052116	5.95455846	0.944463204	RTT106
YGR225W	2.89350912	2.93542664	2.66313171	3.42946124	2.01985591	2.96977183	-0.007066291	1.56075282	1	AMA1
YNL299W	52.4777336	47.2546132	57.5599605	48.722001	54.7315795	53.0685315	-0.007195487	5.71187683	0.947362969	TRF5
YLL006W	47.0195232	40.4628418	42.912736	45.1742825	41.1138413	43.3199326	-0.007243675	5.44133728	0.940044598	MMM1
YJL187C	83.6487181	88.6383731	84.3123291	80.3558245	89.1994433	85.8651422	-0.007271144	6.41715449	0.936875879	SWE1
YDL141W	111.860432	93.7609804	115.906755	100.932592	113.242244	105.685141	-0.00732221	6.74151929	0.941246186	BPL1
YPL068C	20.7806564	26.7066267	23.6655568	20.2811242	24.3685842	26.2760247	-0.007363417	4.57334643	0.972409516	YPL068C
YNL165W	19.8599944	26.1310529	23.1813511	19.9263524	22.4790416	26.5342657	-0.007484929	4.53289414	0.972703946	YNL165W
YIL026C	90.2906368	89.962193	85.7044206	89.6981499	86.7886475	88.0601909	-0.00748905	6.46829789	0.928256701	IRR1
YMR283C	19.5311865	22.6776097	18.7629734	20.0446096	20.394029	20.2719208	-0.007510431	4.35134794	0.965161589	RIT1
YOR390W	32.6835007	29.2391517	33.9549294	28.6773914	31.0797184	35.637262	-0.00752353	4.99944237	0.95522711	FEX1
YPR162C	24.0687349	29.3542664	26.2076371	24.5975151	27.4309464	27.3089888	-0.007535384	4.73472663	0.963918239	ORC4
YER083C	145.661879	116.208361	135.759192	128.163115	142.549048	142.549048	-0.007749509	7.04739616	0.938471735	GET2
YMR071C	50.8994559	65.0974026	56.9547033	61.6711736	59.0319179	51.3899648	-0.007775257	5.84943245	0.948683627	TVP18
YMR039C	29.8557532	30.5054141	28.8707688	30.8651511	30.0372121	27.8254709	-0.007807904	4.89670022	0.945945885	SUB1
YPL150W	75.2312371	67.9177145	65.3072527	75.7437904	63.5277262	67.8528304	-0.008120746	6.11663473	0.931456854	YPL150W
YIL036W	63.4599159	71.6589445	68.1519616	65.2188921	67.567438	69.4668368	-0.008138752	6.08145944	0.933243243	CST6
YMR122C	2.76198598	2.64763972	3.14733748	2.30601704	3.45330204	2.77609106	-0.008165556	1.56846427	1	YMR122C
YGR015C	22.5562188	24.0014296	21.668208	22.468884	22.0881017	23.3062529	-0.008223349	4.511504	0.953174382	YGR015C
YPR113W	268.701779	228.215032	265.102657	255.553991	250.071193	251.914124	-0.008307489	7.9851188	0.930057923	PIS1
YNL334C	4.80059467	5.29527943	4.53942906	5.2033205	5.66862788	3.67993466	-0.008368154	2.32012766	1	SNO2
YLR216C	192.484118	243.064837	189.869186	222.560209	200.617302	198.651912	-0.008429374	7.70061664	0.939829273	CPR6
YOR194C	38.3389958	40.0023827	40.9153873	39.2022897	40.9183713	38.4779133	-0.008504835	5.31357715	0.935905866	TOA1
YDR422C	97.5244096	90.2499799	94.4201244	90.2894364	93.6300949	96.5821449	-0.008549053	6.55300891	0.919568016	SIP1
YFR036W-A	34.8536326	28.1455613	24.1497626	39.143161	25.8020303	21.5631259	-0.008661736	4.8620218	0.964136241	YFR036W-A
YJR001W	278.368729	221.135474	259.957971	249.641127	257.629364	247.524026	-0.008674046	7.9800292	0.931230992	AVT1
YEL042W	408.839686	339.4159	411.817004	402.015637	382.07855	368.83275	-0.008756428	8.59101928	0.930479502	GDA1
YDR095C	0.98642356	0.74824601	0.60525721	1.18257284	0.65156642	0.4519218	-0.008978522	-0.1553331	1	YDR095C
YPR045C	44.3890603	50.9382859	47.9363709	49.549802	45.349023	47.5163493	-0.009048091	5.5775005	0.930345724	THP3
YAR007C	96.998317	107.517195	101.017428	105.603755	95.9105774	102.134327	-0.009057926	6.66771903	0.918184234	RFA1
YLL028W	229.83669	174.686664	214.079474	209.978254	203.74482	209.885396	-0.0090684	7.68394803	0.931612252	TPO1
YIL002W-A	1.90708556	1.5540494	0.96841153	1.8329879	1.36828949	1.16208463	-0.009069948	0.66894006	1	YIL002W-A
YJL202C	2.23589341	2.30229541	1.21051442	2.06950247	1.56375941	2.06592823	-0.00907698	1.02397932	1	YJL202C
YGL154C	20.1888023	23.4258558	20.5787451	21.2863111	22.2835717	20.2719208	-0.009232764	4.42437643	0.952297471	LYS5
YLR063W	40.7064124	41.9017764	40.9153873	31.3381803	44.5671433	46.935307	-0.009347317	5.36329043	0.952095772	BMT6
YDR475C	70.6936887	71.140928	65.0046241	71.9595573	67.2416548	66.238824	-0.009369272	6.10521983	0.915655438	JIP4

YKL192C	117.64745	89.6168487	98.8385021	103.061223	94.6074446	106.266183	-0.009459192	6.6692664	0.926312269	ACP1
YGL250W	15.5197307	14.9649201	14.2235444	15.196061	15.7027508	13.4930938	-0.009476807	3.90428265	0.952849197	RMR1
YNL330C	99.299972	95.3725872	96.7806276	101.109978	92.9133719	95.4200602	-0.009513329	6.59905704	0.907997897	RPD3
YPL188W	49.0581319	53.355696	50.1152968	46.9481418	52.5814103	52.1001276	-0.009691761	5.6672079	0.926086883	POS5
YKL103C	114.753941	110.970639	100.775325	116.365167	107.11752	100.714001	-0.009721114	6.76258119	0.914381177	APE1
YMR156C	7.62834222	10.1876572	8.29202375	8.04149531	8.66583342	9.29667705	-0.009856025	3.14043176	0.983907996	TPP1
YLR373C	87.0025583	88.5808157	91.3333127	84.6722154	89.3297565	91.1590833	-0.009903422	6.47250858	0.908311456	VID22
YML056C	859.109162	682.342801	798.939514	733.017775	761.094738	830.115788	-0.009951156	9.60276547	0.9255307	IMD4
YDL028C	46.9537616	54.5644011	52.1731713	50.0819598	50.5615544	52.1001276	-0.010012318	5.67826009	0.92345714	MPS1
YOL105C	59.3169369	56.3486801	65.0046241	59.4834139	57.3378452	62.5588893	-0.010186852	5.91002269	0.914223958	WSC3
YOL115W	61.289784	61.5864021	62.5230696	62.9720037	61.0517738	60.0410393	-0.010237027	5.94731331	0.904935106	PAP2
YBR110W	113.570233	103.833523	112.638366	110.215789	109.398002	108.00931	-0.010263373	6.77780654	0.90132357	ALG1
YNR057C	12.4946985	12.8928543	13.10303	14.6639032	12.1191355	11.298045	-0.010345751	3.68753965	0.950243751	BIO4
YMR116C	4417.92809	3588.76052	4586.94175	4039.43231	4113.27367	4350.65118	-0.010371291	12.0303003	0.923619321	ASC1
YHR016C	78.2562693	73.9036825	69.9677332	78.7593512	70.6298002	71.016283	-0.010388731	6.20714808	0.905824137	YSC84
YPR191W	232.401391	244.791559	227.031979	259.92951	226.549645	212.532367	-0.010581018	7.87044953	0.914610886	QCR2
YFR018C	95.4858009	68.2055014	86.3096779	80.8288536	84.4430084	82.7662498	-0.010597273	6.37682786	0.923073572	YFR018C
YKL191W	183.34326	164.268777	202.882216	157.63696	191.234745	197.618947	-0.010668083	7.51517501	0.924508374	DPH2
YGL025C	36.2346255	38.2756611	38.0101527	33.0529109	40.3319616	38.4133531	-0.010769827	5.22894469	0.929603474	PGD1
YDL093W	129.221487	101.300998	120.990916	108.737573	117.868366	122.212567	-0.010771771	6.868149	0.914811591	PMT5
YOL130W	155.263069	163.808318	165.356269	158.878661	160.67628	161.206962	-0.011132111	7.33085538	0.896366917	ALR1
YLR179C	227.73232	194.601519	192.834946	232.671206	199.900578	177.669828	-0.011204361	7.67497223	0.919931186	YLR179C
YDL144C	83.3199103	75.2850598	78.1992313	80.2966959	77.6015609	76.9558267	-0.011221363	6.29881428	0.892561006	YDL144C
YLR425W	70.036073	67.9177145	62.0388638	66.3423363	67.0461849	65.0121791	-0.011237733	6.05570317	0.898984667	TUS1
YFR026C	3.68264797	4.6621482	3.32891464	4.13900494	3.64877197	3.80905518	-0.01127017	2.00416101	1	ULI1
YLR309C	84.1748107	91.6313571	82.8597118	94.4284413	84.8991049	77.2786279	-0.011301744	6.42659935	0.906075868	IMH1
YEL009C	1205.34383	1027.62955	1112.22065	1182.86848	1096.91207	1039.1619	-0.011303591	10.1173932	0.909756991	GCN4
YOL082W	48.3347546	52.4347779	41.0364387	51.855819	44.3065167	44.4820173	-0.011399384	5.56114598	0.920791331	ATG19
YER057C	84.898188	64.2915992	79.6518486	74.0881884	72.3238729	80.5066408	-0.011402561	6.24911074	0.91373262	HMF1
YOR244W	23.7399271	29.4693812	28.5681402	28.086105	26.1278135	26.9861875	-0.011442192	4.77113449	0.933846668	ESA1
YML009W-B	23.6741655	24.807233	29.9602318	26.7852748	26.5187534	24.5328978	-0.01145628	4.71032203	0.933295664	YML009W-B
YBR200W	61.6185919	66.0758781	59.1336292	61.0207586	59.2273878	65.1412996	-0.011543741	5.95801128	0.90158719	BEM1
YBL029C-A	7.16801122	8.34582085	6.53677785	7.80498075	6.84144744	7.23074881	-0.011748813	2.89824417	0.962241448	YBL029C-A
YDR214W	196.232527	205.479865	189.324455	208.842364	194.81836	182.511847	-0.011829249	7.61718436	0.898204765	AHA1
YBR026C	101.73315	123.978608	112.335738	111.812262	109.202532	114.400776	-0.011844534	6.81229741	0.901013016	ETR1
YBR115C	281.919854	246.575838	275.39203	267.084076	273.723054	256.304221	-0.012061005	8.06041036	0.896622061	LYS2
YLR004C	10.3245666	10.7056736	9.74464105	10.3475124	9.83865298	10.3296412	-0.01214693	3.37041684	0.952722131	THI73
YHR123W	104.626659	83.2855363	96.5990504	92.1224243	91.0889859	98.7771936	-0.012228357	6.56257116	0.898795479	EPT1
YHR113W	159.406048	137.101691	136.667078	153.143183	142.171793	134.027094	-0.012253557	7.16863038	0.895542167	APE4
YPL097W	26.0415821	33.0379391	28.6891917	30.1556074	28.7340792	28.2128324	-0.012258212	4.87228704	0.926830166	MSY1
YHL032C	112.452286	102.164359	117.480424	109.979274	112.069425	107.170027	-0.012299583	6.78577802	0.886925802	GUT1
YOR246C	158.353863	156.210743	162.632612	162.603766	157.548761	152.943249	-0.012329433	7.30842321	0.882852237	ENV9
YDL185W	1705.46058	1330.49651	1712.27264	1588.01794	1578.94091	1540.60142	-0.012377152	10.6221174	0.910233323	VMA1
YGL172W	98.7738794	102.337031	98.8990278	93.3049971	101.253422	102.97361	-0.012423473	6.63967691	0.885804464	NUP49
YNL159C	27.1595288	29.6420533	30.3233861	26.4896316	28.4734527	31.5054055	-0.01245694	4.86076148	0.923887315	ASI2
YBR089C-A	27.7513829	23.8863148	25.0576484	31.3381803	23.5867045	20.9820836	-0.012481171	4.67632488	0.93201317	NHP6B
YGR239C	17.4268163	16.5189695	14.4051215	16.4377625	15.5072809	15.9463835	-0.012560881	4.01455612	0.933658786	PEX21
YLR287C	45.6385302	52.2621057	45.1521877	42.5134936	49.6493614	49.7759583	-0.012751943	5.57354708	0.911230431	YLR287C
YER071C	9.73271249	13.4684281	8.95780668	12.4170148	11.1417858	8.32827319	-0.012773726	3.43623374	0.92320523	TD2A
YLL035W	50.1760786	51.4563023	53.6257886	45.0560252	53.1026634	55.8446225	-0.012783702	5.69091871	0.907091394	GRC3
YLR305C	332.885072	279.441105	321.815257	288.843416	321.091933	315.893339	-0.012830523	8.27657991	0.896421019	STT4
YAL043C	154.868499	142.684758	165.719424	145.752103	155.398592	157.97895	-0.01297499	7.26536002	0.885709016	PTA1
YGL134W	28.2117139	30.6205289	33.168095	29.6825783	31.5358149	30.0205196	-0.013069748	4.93868874	0.913609231	PCL10
YBL060W	33.8014474	33.2681686	35.770701	33.1711682	35.4452134	33.3130927	-0.01310938	5.09801777	0.902366964	YEL1
YOR170W	4.66907153	5.75573851	3.93417185	5.97199284	3.97455518	4.26097698	-0.01314964	2.29369963	0.955983078	YOR170W
YDR425W	32.1574082	35.2251197	30.4444376	27.1400467	33.9466106	35.9600633	-0.0132312	5.02650175	0.925328057	SNX41
YNL007C	300.924948	310.176749	286.831391	331.002138	297.635542	261.01712	-0.01324257	8.21950807	0.896858507	SIS1
YFR056C	3.09079383	3.28077095	2.72365744	3.6659758	3.45330204	1.87224746	-0.01337021	1.65351252	0.970078555	YFR056C
YML035C	133.56175	129.734346	130.009248	122.573675	132.789237	134.349895	-0.013383083	7.02921468	0.873937829	AMD1
YIL166C	12.7577447	13.1806412	12.2867213	10.8205415	13.3571117	13.7513348	-0.013385782	3.6788873	0.949799873	YIL166C
YNL247W	434.223652	393.001826	414.601187	423.479334	400.32241	406.406819	-0.013440817	8.68694043	0.881264664	YNL247W
YOR215C	12.2316522	15.7131661	12.8919785	12.712658	14.3344613	13.4930938	-0.013463505	3.77563709	0.941524754	AIM41
YBL056W	251.406485	269.483677	251.423844	292.391135	253.589652	219.052953	-0.013543675	8.00208722	0.901123719	PTC3
YOR321W	112.057717	94.6818986	111.851532	104.657696	102.426242	108.396672	-0.01368922	6.72506891	0.879869618	PMT3
YPR120C	30.3818457	38.7361202	33.168095	32.875525	35.3149001	33.2485325	-0.013765026	5.09136973	0.915375542	CLB5
YPL201C	8.3517195	8.46093562	8.95780668	8.10062396	8.66583342	8.78019499	-0.013822539	3.11687224	0.963562231	YIG1
YPL157W	43.5999215	40.6930713	41.5811702	45.2334111	38.6378889	40.6729621	-0.013952783	5.38766668	0.887221794	TGS1
YNL113W	14.7963534	19.7421831	15.9182646	16.1421193	16.3543172	17.56039	-0.013969385	4.07815471	0.941159112	RPC19
YJR091C	155.789161	150.224775	160.453686	139.011437	158.91705	164.112174	-0.013988254	7.27484424	0.879948787	JSN1
YKR089C	169.467568	167.72222	161.24052	169.580945	164.650835	159.334715	-0.014008781	7.37032954	0.869202931	TGL4
YMR092C	230.691591	235.870164	237.321351	223.328881	223.291813	250.364678	-0.01430907	7.86790106	0.875714705	AIP1
YPL263C	149.607574	157.82235	158.637914	164.791525	152.987796	143.646572	-0.014352896	7.27350964	0.870680099	KEL3
YDR226W	457.832056	535.053452	453.761329	545.343465	456.096496	430.552356	-0.014664263	8.90666929	0.895338857	ADK1

YCR081W	73.5871978	84.2064545	75.8387282	73.2012588	80.859393	77.3431882	-0.014752298	6.27863099	0.874674673	SRB8
YMR149W	271.924096	221.423261	250.152804	208.842364	248.37712	278.706631	-0.014771293	7.94639071	0.899817056	SWP1
YNL312W	90.7509678	99.7469485	89.4570153	101.87865	88.2220936	86.9626665	-0.014771947	6.53883244	0.874512417	RFA2
YJR088C	55.5027658	65.15496	58.528372	59.4242852	58.5106648	59.5245572	-0.01480315	5.89670434	0.877727099	EMC2
YHR026W	274.028466	219.351195	263.65004	256.322663	245.314758	247.524026	-0.014812635	7.97236015	0.882820491	VMA16
YLL013C	111.202816	108.092769	114.030458	98.3309317	115.978823	115.691981	-0.014853416	6.79006007	0.872892055	PUF3
YPL053C	107.125599	115.345	108.583143	115.123466	105.423447	107.105467	-0.014872296	6.78031788	0.860980872	KTR6
YGL044C	24.0029734	25.9583807	22.9392482	23.5331995	26.2581268	22.4024093	-0.014938813	4.60337468	0.9101482	RNA15
YMR237W	157.893532	165.995499	167.656247	155.153557	169.40727	161.981685	-0.015031875	7.34995257	0.863631087	BCH1
YJL056C	47.7429004	52.3772205	47.2705879	45.6473116	49.2584216	51.0671635	-0.015034398	5.61525052	0.881316812	ZAP1
YPL133C	27.8171445	27.9153318	25.2997513	27.4948185	27.496103	25.1785003	-0.015035128	4.75449581	0.897024468	RDS2
YGR280C	59.7115063	53.4708108	59.4362578	60.5477294	56.2301823	53.9078148	-0.015170371	5.84148828	0.867839403	PXR1
YKR042W	1804.30022	1502.30531	1927.19948	1669.31982	1727.36774	1781.79854	-0.015315952	10.761127	0.886094705	UTH1
YKL008C	209.056034	154.311135	187.508683	174.311237	189.149732	181.478883	-0.015340577	7.5135781	0.888633166	LAC1
YGR002C	35.248202	38.7361202	33.1075693	33.4668114	35.70584	36.8639069	-0.015385502	5.15567876	0.891662168	SWC4
YNL257C	92.3950071	98.7109155	88.4886038	94.7240845	96.887927	85.0258588	-0.015430527	6.53661892	0.864585135	SIP3
YKL155C	47.9401852	52.2045483	51.3258112	47.3029136	51.4085907	51.2608443	-0.015439335	5.65437576	0.874107797	RSM22
YOR331C	176.569818	192.241666	180.245597	199.618295	170.710403	172.827809	-0.015480059	7.50921046	0.87085304	YOR331C
YHR175W	68.194749	56.4062374	69.1203731	55.3444089	58.9667612	77.3431882	-0.015486296	6.00738051	0.90427444	CTR2
YDR117C	60.8294531	68.147944	51.5073884	65.573664	58.1197249	54.8116584	-0.015700626	5.90624012	0.890736325	TMA64
YDR525W-A	1.5782777	1.66916417	1.39209158	1.35995877	1.43344613	1.8076872	-0.01573784	0.73345298	1	SNA2
YER132C	81.8073942	80.4652244	81.8307745	74.2064457	81.1200196	86.1879434	-0.015796557	6.34076324	0.859496782	PMD1
YNR025C	3.55112483	4.6621482	2.78418316	3.07468938	4.03971182	3.80905518	-0.01581446	1.91773084	1	YNR025C
YKR064W	47.5456157	55.139975	51.386337	50.6141176	54.4057963	47.4517891	-0.015996837	5.67877555	0.876978328	OAF3
YKR001C	369.64579	392.426252	347.901843	389.657751	351.389772	356.566301	-0.016114231	8.52382565	0.86332336	VPS1
YBL024W	199.191798	213.192555	198.16121	219.01249	200.552145	184.125854	-0.016203061	7.66186362	0.864813146	NCL1
YPL120W	22.8192651	21.1235603	17.6129848	21.0497966	20.0030892	19.7554387	-0.016240267	4.35854791	0.905054473	VPS30
YPR054W	43.5341599	35.3402345	42.9732618	39.143161	39.5500819	41.7059262	-0.016313716	5.3392479	0.879585389	SMK1
YGR102C	18.2817167	19.4543962	20.5787451	18.0933645	18.3090165	21.3048849	-0.016389688	4.28255805	0.911383661	GTF1
YNL069C	2661.04197	2103.03174	2328.96921	2508.71002	2282.82812	2221.19565	-0.016393539	11.1991045	0.878993077	RPL16B
YOR079W	37.7471417	35.2826771	40.7943358	35.7136998	35.5755267	41.2540044	-0.016401135	5.24203251	0.882476732	MRL1
YJL134W	132.70685	109.704376	117.177795	126.71268	114.089281	114.529896	-0.016406984	6.89808313	0.859833701	LCB3
YDL001W	22.7535035	25.2101347	22.4550424	24.3610005	22.7396681	22.5315298	-0.016410446	4.55315382	0.895856782	RMD1
YPL078C	96.537986	135.432527	109.1884	113.467864	113.633184	110.33348	-0.01646894	6.82338132	0.885556078	ATP4
YER045C	26.2388668	23.7136427	27.5997287	24.1244859	26.9748499	25.5658619	-0.016616877	4.69022333	0.892212835	ACA1
YIL047C	313.945739	248.705461	304.141747	256.204406	279.326525	321.25184	-0.016701806	8.16670522	0.884316183	SYG1
YJR111C	28.6062833	28.3182335	24.7550198	27.080918	26.1929702	27.4381093	-0.016798758	4.76490592	0.885484338	YJR111C
YGL206C	441.786233	426.557781	442.685122	429.451327	437.135913	429.19659	-0.016856291	8.76351037	0.846811674	CHC1
YBR020W	27.0937672	22.2171507	25.4813285	24.4201292	25.2156206	24.2100965	-0.016944566	4.63714357	0.88790105	GAL1
YJL073W	56.0946199	52.9527943	55.3810345	50.1410884	56.6211221	55.7800623	-0.016964322	5.77102662	0.856636229	JEM1
YML105C	54.7793885	61.4712873	56.7731261	59.0103847	59.1622312	52.8748507	-0.01697144	5.84502064	0.858893468	SEC65
YOR098C	311.183753	308.047125	310.557473	279.028062	317.834101	322.091123	-0.017029809	8.26789558	0.855117007	NUP1
YOR084W	62.9338233	51.4563023	61.9783381	60.4294721	60.8563039	57.6748507	-0.01715659	5.87124469	0.867061734	LXP1
YJL164C	25.7127742	30.5054141	24.8155455	28.73652	23.782744	27.5672299	-0.017217466	4.75466981	0.897237723	TPK1
YNL183C	78.7166003	69.5868786	75.4755738	65.573664	74.9301386	80.6357613	-0.017239862	6.21444728	0.861950173	NPR1
YHR132C	146.253734	138.88597	131.885546	142.677413	135.004563	134.285335	-0.017266173	7.11154033	0.838099914	ECM14
YNL274C	28.1459523	26.3612824	26.9339458	30.8060225	25.9323436	23.6290542	-0.017269768	4.76029913	0.888111405	GOR1
YMR075W	37.0237644	43.9738422	38.5548841	39.0840324	41.1789979	37.9614313	-0.017332524	5.31341554	0.875104798	RCO1
YDL224C	162.957173	146.656217	177.945619	142.973056	160.350497	178.444551	-0.017348866	7.33682694	0.870081196	WHI4
YGR140W	56.1603815	61.7590743	56.0468175	53.9253215	56.3728785	60.2992803	-0.017768203	5.85245846	0.852334292	CBF2
YBR139W	169.336045	125.4751	145.443307	150.186751	137.741142	146.745465	-0.017810434	7.18908733	0.865876496	YBR139W
YML043C	42.6134979	47.081941	49.2679367	43.4595519	46.1960594	47.7100301	-0.017867093	5.52927905	0.861799854	RRN11
YNL130C	221.353448	193.910831	219.466264	185.723065	211.107521	230.092757	-0.01789312	7.71683823	0.862540454	CPT1
YBR104W	23.4768808	26.303725	24.7550198	24.2427432	25.867187	23.5644939	-0.017973224	4.63412211	0.885230262	YMC2
YDR397C	7.82562693	8.46093562	6.1130978	8.10062396	6.25503766	7.74723087	-0.018016567	2.91636256	0.949008789	NCB2
YMR076C	109.229969	109.531704	109.975235	110.629689	110.831448	103.167291	-0.018055599	6.76846379	0.82538386	PDS5
YOR001W	105.08699	105.099785	103.317405	106.963713	105.684074	96.9049462	-0.018109076	6.70003289	0.827190601	RRP6
YPR128C	63.5256775	59.5143362	64.823047	62.3215887	59.0319179	64.1083355	-0.018127119	5.96214173	0.835007723	ANT1
YOR085W	205.636432	164.326335	198.221736	164.673268	189.149732	207.238426	-0.018149884	7.55690262	0.872138681	OST3
YDR166C	80.8209706	85.5302743	79.7729	84.8496013	78.1228141	80.054719	-0.018175598	6.35154	0.829390997	SEC5
YMR241W	161.839226	160.872891	169.048338	171.946091	156.050158	157.527028	-0.018220852	7.34883931	0.833699418	YHM2
YGR091W	20.1230407	21.7566916	22.6971453	19.0985514	21.8274752	22.9188913	-0.018394512	4.42793726	0.896303116	PRP31
YMR113W	31.8943619	37.9878742	34.681238	36.3641148	31.5358149	35.379021	-0.01840675	5.12031909	0.872981319	FOL3
YJL125C	68.194749	77.9902569	67.0019729	68.2344529	70.7601135	71.5973253	-0.018446271	6.14488092	0.843524913	GCD14
YLR096W	135.863405	144.18125	143.022278	130.61517	140.412564	146.745465	-0.018559066	7.13198979	0.831373518	KIN2
YLR023C	103.771759	85.5302743	106.827897	88.5155771	103.403591	100.3912	-0.018645979	6.61727526	0.856948481	IZH3
YNL124W	90.7509678	84.7244709	94.299073	81.6566546	91.610239	93.0313307	-0.018937719	6.48312088	0.834091308	NAF1
YEL028W	3.35384011	3.22321357	4.3578519	3.90249037	3.77908525	3.09889235	-0.01898502	1.90555218	0.970135144	YEL028W
YPL271W	12.100129	9.26673901	9.38148672	10.8796701	8.79614671	10.5878822	-0.01910634	3.36236929	0.918782497	ATP15
YLR265C	29.9215147	41.6715468	31.1102205	32.2842385	33.6208274	35.5727018	-0.019126061	5.0947851	0.893277799	NEJ1
YKR017C	36.4319103	40.1750548	37.8285755	37.6058163	39.0939854	36.2828646	-0.019231999	5.24921342	0.851280442	HEL1
YOR105W	1.24946985	2.76275449	3.08681176	2.12863111	2.41079576	2.51785003	-0.019301906	1.31903974	1	YOR105W
YKL077W	165.061543	196.903815	170.86411	177.267669	172.013536	176.507743	-0.019453958	7.46414954	0.838075914	YKL077W

YER076C	22.0301262	16.3462974	20.6997965	19.985481	19.5469927	18.6579143	-0.01948441	4.29676224	0.889923448	YER076C
YOR300W	0.65761571	0.57557385	0.36315432	0.65041506	0.4560965	0.4519218	-0.01954519	-0.6205739	1	YOR300W
YER056C	863.975518	744.159432	906.372669	698.545777	850.685121	931.410832	-0.01958358	9.70151615	0.869682864	FCY2
YLR009W	69.6415035	74.9972728	66.0335614	78.4637079	67.8280646	61.4613649	-0.019670505	6.1268216	0.84820957	RLP24
YKL105C	101.73315	83.2279789	94.5411759	91.9450383	95.0635411	88.576673	-0.01970089	6.53330178	0.830966049	SEG2
YFR052W	115.016987	146.886447	120.143556	127.12658	126.208416	123.632893	-0.019791264	6.98467474	0.845010463	RPN12
YDR119W	365.108241	320.421963	354.862301	333.95857	348.848663	343.202328	-0.020000479	8.42840863	0.827534177	VBA4
YOR174W	19.3339018	20.4328717	20.5787451	21.1680538	19.2863661	19.0452759	-0.020035837	4.32970872	0.876227171	MED4
YDL108W	25.5154895	26.1886102	26.5102657	26.7261462	24.954994	25.4367414	-0.020108691	4.70148988	0.858037139	KIN28
YCR092C	58.7250828	60.4352544	59.617835	58.4782269	58.9667612	58.8789546	-0.020182192	5.89020089	0.813077116	MSH3
YDR460W	20.5176101	19.9148553	21.0024251	21.1680538	20.2637157	19.1098361	-0.020259471	4.35448121	0.869391353	TFB3
YOR296W	72.1404432	72.9827644	79.4097457	73.496902	72.4541862	75.4709407	-0.020285918	6.21824533	0.812844479	YOR296W
YOR179C	7.95715007	8.9213947	7.32361222	9.69709729	6.25503766	7.87635139	-0.020299502	3.02636953	0.938299319	SYC1
YHR180W	3.94569425	3.97145957	3.08681176	2.83871482	4.03971182	4.00273595	-0.02029979	1.9116724	0.971027866	YHR180W
YLR153C	656.760808	517.786237	620.812318	579.51982	597.812193	592.792282	-0.020337667	9.21517013	0.844033866	ACS2
YNL245C	28.2117139	27.6851023	28.2655116	27.0217894	27.691573	28.2773927	-0.020353415	4.80632984	0.851494313	CWC25
YBR173C	53.4641571	61.4137299	56.7126004	50.2593457	61.3124004	57.7814303	-0.020367238	5.83154812	0.847633358	UMP1
YPR040W	36.8922413	38.4483333	41.9443245	34.2946124	39.4197686	42.0287275	-0.020385378	5.28377476	0.859255524	TIP41
YOL004W	363.398441	312.939503	358.735947	321.068526	361.293581	338.102067	-0.020464782	8.4207842	0.83252518	SIN3
YGL232W	33.7356859	34.8797754	34.681238	33.7624546	34.4027071	33.7004543	-0.020509523	5.10097969	0.839253803	TAN1
YGL065C	63.0653465	65.0398452	62.8256982	67.229266	58.1848815	62.7525701	-0.020593824	5.98453716	0.817066703	ALG2
YGL205W	10.7191361	9.6696407	11.499887	10.4657696	10.8811593	10.0714001	-0.020612685	3.41566342	0.895715592	POX1
YLR206W	171.506177	146.541103	163.237869	145.811231	168.560234	160.044878	-0.020667812	7.31638458	0.828523275	ENT2
YLR026C	28.9350912	35.8006936	33.7128265	29.0321632	33.6208274	34.5397376	-0.020730728	5.03283406	0.827278758	SED5
YOR316C	75.2969986	66.0758781	79.0465914	66.5788509	70.6298002	80.054719	-0.020803544	6.19091958	0.837167823	COT1
YDR289C	15.4539692	16.6916417	17.1893047	20.2219956	15.6375941	12.7183707	-0.020810239	4.04156698	0.913478263	RTT103
YOR317W	399.041212	405.319106	408.124935	420.049873	393.741589	381.163759	-0.020961615	8.64879771	0.81414517	FAA1
YGR039W	1.31523142	1.20870509	1.51314302	0.82780099	1.49860277	1.67856669	-0.021041823	0.54316885	1	YGR039W
YDL061C	26.4361515	21.3537899	21.9708366	20.1628669	22.4790416	26.0823439	-0.021109201	4.53481867	0.882420456	RPS29B
YGL030W	846.48294	725.223053	919.08307	839.331073	799.211374	815.847971	-0.021190329	9.6870505	0.838044842	RPL30
YDR028C	161.707703	158.340367	154.037959	159.292562	151.489193	156.300383	-0.021310956	7.29449625	0.797445568	CDC14
YBL030C	851.415058	677.96844	801.54212	770.68272	779.143128	746.703936	-0.021373411	9.59124006	0.835173242	PET9
YDL175C	21.5040337	22.6200524	19.0656021	22.5280126	20.2637157	19.4326374	-0.021440824	4.39478436	0.870142829	AIR2
YHR056C	130.273672	142.396971	142.538072	118.612056	141.84601	148.746833	-0.021582885	7.10350032	0.829724626	RSC30
YDR034C-A	1.77556241	0.97847555	0.96841153	1.53734469	1.10766292	0.96840386	-0.021614345	0.42532674	0.942409382	YDR034C-A
YLR450W	181.304651	141.476053	168.74571	155.330943	162.826449	165.855301	-0.021918381	7.34598863	0.827413629	HMG2
YPR029C	153.684791	163.635646	142.71965	159.942977	151.16341	141.968006	-0.021936787	7.25096696	0.808297679	APL4
YGL061C	10.1272819	10.0725424	12.0446184	11.884857	9.12192992	10.7170027	-0.021967156	3.43243238	0.905656928	DUO1
YDL147W	140.335192	167.089089	157.4274	152.137996	153.378736	152.426767	-0.022003423	7.26620647	0.808848961	RPN5
YLR197W	644.594918	709.509887	635.338491	684.532289	656.583484	618.035343	-0.022146203	9.36246202	0.814699323	NOP56
YDL238C	18.8735708	16.4038548	17.0682533	15.6690901	18.765113	17.1084682	-0.022156241	4.12289703	0.886854368	GUD1
YJR138W	94.6309005	102.221916	98.5963992	94.3693126	99.0380962	97.615109	-0.022267188	6.61283978	0.790039842	IML1
YOR267C	118.668112	110.740409	125.400293	116.010396	118.063836	115.175499	-0.022268953	6.8758779	0.791984681	HRK1
YPL244C	96.537986	92.0918162	100.230594	99.6908904	91.0238292	93.612373	-0.022369514	6.57982842	0.790191953	HUT1
YGL067W	102.325004	87.8901271	99.0806049	94.5466986	91.5450824	98.6480731	-0.022377002	6.58173953	0.799863258	NPY1
YER023W	277.645352	250.604855	250.939638	278.259389	245.184445	243.585851	-0.02241666	8.01026815	0.814385561	PRO3
YGR157W	629.995849	523.139074	602.473025	573.252184	563.474642	591.242836	-0.022808233	9.18166302	0.815182167	CH02
YKL096W-A	2002.24255	1838.21021	1855.35545	1539.35507	2021.48483	2044.68791	-0.023067018	10.8793162	0.842583583	CWP2
YOR275C	66.8795176	79.0838472	68.6361674	69.7717976	70.1737037	71.3390843	-0.023266912	6.15212142	0.803332568	RIM20
YKL089W	20.7806564	22.6200524	22.2734653	24.3018719	21.8926318	18.3996733	-0.023301837	4.44970499	0.863951454	MIF2
YAL031C	61.1582609	61.0108283	55.3205088	57.2365255	60.4002074	57.0067072	-0.02336983	5.8779859	0.794002361	GIP4
YER123W	71.2855428	82.191946	71.4808763	77.3993924	71.6071498	72.3720484	-0.023424613	6.21974905	0.798757953	YCK3
YKR070W	80.0975933	88.3505862	81.4070945	78.0498075	79.3607903	88.5121127	-0.023539783	6.37081141	0.79438111	YKR070W
YDR094W	12.2316522	9.49696855	10.1683211	8.81016766	9.96896627	12.5892602	-0.023590829	3.4121432	0.900500129	YDR094W
YOR361C	671.820208	708.761641	673.469695	716.402627	659.711003	644.569609	-0.023610376	9.40781739	0.797610583	PRT1
YLR002C	94.8281852	115.172328	106.162114	108.501058	102.165615	100.3912	-0.023888191	6.70987433	0.797756247	NOC3
YPR053C	44.7178682	37.5849725	46.181125	33.6441973	40.8532147	51.9064468	-0.02393787	5.41197421	0.86980571	YPR053C
YJL109C	464.079406	420.399141	496.068808	388.711693	480.921177	488.140105	-0.024059825	8.83443475	0.827260903	UTP10
YDR177W	34.4590631	43.2255962	33.7733522	40.2074766	37.9863224	31.4408453	-0.024175249	5.20935989	0.853733784	UBC1
YGR246C	50.8336943	53.5283682	49.3889882	54.1027074	49.2584216	47.7745904	-0.024368801	5.67100701	0.794236708	BRF1
YML112W	19.3996634	19.6846257	20.0340136	18.2707504	20.5243423	19.3680772	-0.024500944	4.29773603	0.851739789	CTK3
YLR343W	47.0852847	42.2471207	51.6889656	45.1151539	44.3065167	49.194916	-0.024520984	5.54607433	0.812289562	GAS2
YNR043W	269.622441	244.676444	250.092278	254.075775	249.159	248.169629	-0.024552309	7.98156863	0.782127611	MVD1
YGR042W	15.1251613	14.3317889	16.5235218	12.890044	15.4421242	16.9147874	-0.024562811	3.9369803	0.884002845	YGR042W
YJR143C	751.45747	561.414735	706.093059	609.55717	668.572306	706.676576	-0.024568893	9.38238119	0.832291118	PMT4
YPL146C	54.6478654	66.2485503	63.2493782	65.8101786	59.1622312	56.1028636	-0.024577921	5.93119618	0.811306437	NOP53
YOR080W	37.1552875	37.2971856	35.2864952	37.7240736	35.800567	34.7334184	-0.02460585	5.18554092	0.801843024	DIA2
YKL011C	15.322446	20.6631013	17.6735105	18.5663936	17.1361969	17.1084682	-0.024638275	4.1612332	0.877316464	CCE1
YOL068C	107.980499	112.524688	109.006823	109.26973	106.205327	108.461232	-0.024701231	6.76867961	0.759311564	HST1
YGR090W	349.785795	353.920361	364.970096	320.595497	369.568475	360.439916	-0.02473173	8.46487057	0.790378403	UTP22
YIL016W	25.4497279	29.0089221	26.44974	30.3329934	25.8020303	23.3708131	-0.024745407	4.74855769	0.847102655	SNL1
YGL091C	28.8693296	29.4118238	29.7181289	30.6877652	27.8218862	27.9545914	-0.024768443	4.86836625	0.816516911	NBP35
YDR458C	74.4420982	69.5293213	75.1729452	80.4740818	70.6949569	64.1083355	-0.024775536	6.18063094	0.797181452	HEH2

YPL126W	279.026345	288.765401	288.526111	248.340296	288.578769	304.918095	-0.024801591	8.14537497	0.801353484	NAN1
YGL050W	22.4904572	24.3467739	23.5445054	23.296685	22.1532584	23.7581747	-0.02482105	4.54818748	0.835470228	TYW3
YPL249C-A	398.449358	450.78944	346.570277	488.284326	379.081345	307.694186	-0.025174699	8.62682454	0.863604827	RPL36B
YPR021C	72.1404432	79.5443063	74.567688	75.2116326	75.9726449	71.2099638	-0.025219476	6.22704582	0.769310517	AGC1
YOL099C	4.86635624	4.94993512	2.78418316	4.13900494	3.90939854	4.32553724	-0.025221489	2.09935552	0.927753469	YOL099C
YGR241C	79.9003086	80.695454	78.5018599	73.6151593	78.3834406	83.0244908	-0.025224752	6.30631793	0.768360775	YAP1802
YNL041C	64.4463394	73.673453	68.2730131	66.3423363	68.4144744	68.1756317	-0.025235176	6.09494999	0.77876951	COG6
YKL068W	152.172275	157.131661	168.443081	136.882806	162.761292	169.922597	-0.025312759	7.30378254	0.799336002	NUP100
YLR286C	1860.39484	1510.4209	1778.36673	1600.43495	1723.78413	1735.31515	-0.025320411	10.7326374	0.806128747	CTS1
YNR018W	95.0912315	105.44513	100.291119	93.8371549	99.7548193	102.134327	-0.025322186	6.63740024	0.770039849	RCF2
YJL130C	851.809627	711.869739	848.631131	726.336238	833.679238	810.295789	-0.025325697	9.63880648	0.808079379	URA2
YOR311C	127.906255	110.797966	117.480424	119.439857	111.743641	118.661753	-0.025335552	6.88004185	0.769736848	DGK1
YDL090C	33.5384011	38.1605463	34.1970322	35.3589279	33.685984	35.0562197	-0.025380873	5.13483493	0.82070123	RAM1
YNL252C	43.4683983	45.1825473	46.1205992	51.5010472	42.2866608	38.5424736	-0.02545525	5.48096374	0.821090684	MRPL17
YBR046C	37.6156185	45.4127769	40.3706558	44.5238674	39.4849252	37.2512684	-0.025473694	5.35489647	0.820228003	ZTA1
YOR189W	6.24734923	6.90688622	5.62889203	8.04149531	4.43065167	5.93954367	-0.025489525	2.66527877	0.914762785	IES4
YHR133C	166.968628	137.677265	162.995766	146.28426	146.146349	166.888265	-0.025685395	7.2723901	0.795173172	NSG1
YEL025C	125.933408	116.035688	123.169842	119.676371	120.474632	118.468072	-0.025725237	6.91581637	0.75324653	YEL025C
YDR323C	15.2566844	20.02997	16.4024703	18.6846509	17.85292	14.2678169	-0.025749769	4.1068783	0.874531523	PEP7
YNL331C	21.2409874	20.778216	22.2129395	20.9906679	21.2410654	20.8529631	-0.025914701	4.415696	0.828423154	AAD14
YHR182W	40.5091277	42.1320059	43.0337875	40.2074766	41.3744678	41.899607	-0.026008861	5.38030935	0.784251955	YHR182W
YGR204W	1301.55301	1128.12475	1230.91158	1200.2523	1221.68704	1173.12443	-0.026023552	10.2400613	0.783325015	ADE3
YDR081C	77.6644152	93.1854065	85.2807406	78.9958657	86.2022377	86.5107447	-0.026136301	6.40552856	0.782172651	PDC2
YHR048W	34.1302553	29.2391517	35.1654438	33.9398405	31.144875	31.5699658	-0.026332063	5.0291146	0.810586997	YHK8
YOR18C	34.5248247	36.6640543	32.0181063	32.6390104	33.8162973	34.9270992	-0.026421836	5.0968878	0.804536895	KIN3
YAL044W-A	16.8349621	17.036986	18.0366648	17.679464	16.5498781	16.7211066	-0.026496505	4.11040382	0.844856853	YAL044W-A
YPL212C	125.210031	121.848984	126.740859	123.519733	125.817476	117.628789	-0.026513212	6.94935572	0.745580106	PUS1
YDR195W	37.7471417	43.2831536	39.5838214	40.3848625	39.6152385	38.4779133	-0.026529249	5.32139519	0.792819542	REF2
YDR499W	37.6156185	38.6210054	35.8917524	36.4823721	37.3999127	36.2183043	-0.026549927	5.21580597	0.785506927	LCD1
YOR156C	38.3389958	39.1390219	35.5285981	32.875525	39.0288287	39.1235159	-0.026564318	5.22701548	0.810696836	NFI1
YGL151W	122.448045	134.338937	121.656699	123.105833	120.995885	127.506508	-0.026571218	6.96739912	0.754715306	NU11
YLL018C	798.016662	746.346613	787.268173	830.875678	783.275941	704.804329	-0.026835852	9.58926957	0.781103106	DPS1
YNL204C	12.6919832	12.7201821	14.3445958	11.0570561	14.3996179	13.6222143	-0.026956927	3.72829975	0.881706064	SPS18
YEL050W-A	3.48536326	3.97145957	3.26838892	3.90249037	3.58361532	3.03433209	-0.027180582	1.87663736	0.937466366	YEL050W-A
YGR187C	44.5205835	55.7731062	47.6337423	51.3827899	46.7824691	47.0644275	-0.02723321	5.61491881	0.799052909	HGH1
YML005W	29.263899	35.570464	29.4155003	29.6234496	29.4508023	33.5067735	-0.027274571	4.96683526	0.825119244	TRM12
YFR051C	423.109947	344.653622	427.251063	359.561272	382.86043	430.164994	-0.027291708	8.62461694	0.803157232	RET2
YOR064W	53.4641571	56.0608931	56.1678689	53.2157778	55.9695557	53.455893	-0.027364215	5.77739004	0.75652832	AEP1
YBR015C	309.079383	261.080299	304.565427	283.226195	284.995153	289.940115	-0.027434261	8.17455232	0.772823546	MNN2
YBR034C	150.857044	180.557517	163.964178	154.207498	164.846305	167.081946	-0.027639414	7.35508638	0.77054825	HMT1
YJR126C	140.072146	126.108231	137.151283	128.841311	128.684368	138.09439	-0.027650131	7.05824231	0.746619118	VPS70
YNR066C	19.8599944	17.4974451	16.2208932	16.851663	17.7226067	17.9477515	-0.027782733	4.15344364	0.846650721	YOR066C
YDR304C	275.804028	256.533266	279.084099	263.832001	260.105316	271.927804	-0.027851936	8.06609044	0.754209225	CPR5
YKR100C	68.9181263	64.6369435	65.4888299	68.6815474	64.7657024	66.755306	-0.027873118	6.04056648	0.740673288	SKG1
YEL002C	429.09425	356.510444	419.866925	384.099659	401.560386	396.658221	-0.027884385	8.63688665	0.774872412	WBP1
YMR287C	51.8858794	59.2841067	54.1099944	51.1462753	54.9922061	56.1028636	-0.027975282	5.77388987	0.770447811	DSS1
YDL226C	143.754794	150.224775	146.351193	142.973056	144.647746	144.292175	-0.027998223	7.184891	0.731423646	GCS1
YLR457C	9.33814306	10.6481163	8.65517807	8.98755359	10.2295928	8.9093155	-0.028176354	3.2612346	0.8754747	NBP1
YDR412W	36.8922413	39.3116941	36.6180611	40.798763	35.4452134	34.3460569	-0.028187608	5.22398726	0.788143929	RRP17
YKL004W	252.590194	210.142013	248.51861	216.469958	225.963235	255.013016	-0.028192239	7.87581946	0.785660439	AUR1
YDL215C	158.025055	150.742792	158.940543	154.384884	150.251217	153.847093	-0.02858677	7.27135081	0.72718687	GDH2
YDL046W	119.028443	88.0627993	103.438457	102.351679	95.4544809	106.459864	-0.028641905	6.68043885	0.786628689	NPC2
YHL026C	29.1323759	26.4188398	29.7181289	25.6618306	32.1873813	25.7595426	-0.028666644	4.82052877	0.821305938	YHL026C
YDL189W	69.575742	62.5073203	68.3335388	60.4294721	65.2217989	70.8226022	-0.028681074	6.05001513	0.759462893	RBS1
YLR352W	42.7450211	40.9808582	43.5179933	39.7935761	42.2215042	42.7388903	-0.028699038	5.39635083	0.763062204	YLR352W
YDR148C	152.238037	154.311135	149.07485	160.534263	143.996179	142.032566	-0.02873039	7.23360989	0.739140932	KGD2
YGR004W	47.5456157	39.2541367	43.2758904	42.5726222	40.9183713	43.9009749	-0.028789151	5.42702046	0.772878346	PEX31
YBR211C	22.1616494	24.2316591	25.2997513	22.291498	23.7170178	24.339217	-0.028802573	4.57291987	0.815479365	AME1
YBR256C	49.5184629	60.8957135	49.7521425	57.650426	51.0828075	48.2910724	-0.028816059	5.72832885	0.795044535	RIB5
YPL144W	20.0572791	24.7496756	23.7866083	22.0549835	21.4365353	23.8227349	-0.028982602	4.51025931	0.828286927	POC4
YDR230W	602.639035	548.291651	613.609757	598.086214	571.945006	559.285509	-0.029017524	9.18594504	0.753205148	WTM1
YNL287W	593.6297	545.874241	596.420453	568.231077	568.646746		-0.029059829	9.16234611	0.746138208	SEC21
YER151C	182.94869	191.781207	187.811312	178.50937	192.993974	179.864877	-0.029122239	7.53742583	0.740130389	UBP3
YJL009W	15.9800617	21.814249	17.3103561	15.0778037	19.5469927	19.4971977	-0.029137873	4.19643158	0.868544893	YJL009W
YPL218W	404.565184	307.759338	371.930554	351.165005	355.429484	355.856138	-0.029140032	8.48335595	0.783110633	SAR1
YMR070W	59.3826985	64.406714	64.5204184	46.7116272	62.8110031	75.1481395	-0.029149814	5.96047717	0.834577701	MOT3
YBR183W	322.100174	242.834608	286.226134	267.557105	281.541851	284.904415	-0.029188975	8.13420918	0.785292488	DPM1
YKL031W	1.5782777	1.09359032	1.39209158	1.24170148	1.49860277	1.22664489	-0.029198336	0.54287301		1 YKL031W
YDR444W	59.7772679	57.6149425	59.0731035	54.339222	59.2925445	59.3308764	-0.029211882	5.86675996	0.739897983	YDR444W
YOR291W	201.36193	166.916417	193.561255	180.638001	180.744526	189.096994	-0.029217217	7.53523823	0.75960094	YPK9
YCR034W	326.177391	278.577744	329.683601	220.608963	309.754677	385.360176	-0.029274086	8.26885888	0.851506763	ELO2
YBR260C	53.9244881	58.8236476	58.2257434	54.5166079	56.4908088	56.6193456	-0.029335443	5.8217804	0.74197408	RGD1
YHR028C	260.350059	240.532313	249.729124	244.142163	243.425215	247.846828	-0.029400191	7.95296665	0.736788011	DAP2

YLR266C	55.5685274	63.0828941	64.9440984	57.8278119	60.3350507	61.8487265	-0.029456944	5.92441049	0.754777499	PDR8
YGR113W	27.2910519	27.7426596	31.8970549	26.6670175	27.6264163	30.9243632	-0.029583129	4.84869084	0.805432485	DAM1
YMR288W	53.332634	59.2841067	55.5626117	55.994824	53.4936033	55.3281405	-0.029608261	5.79790242	0.74166937	HSH155
YER088C	367.870227	303.615207	397.16978	300.846531	358.491846	387.619785	-0.029614293	8.46229251	0.805841277	DOT6
YJL118W	25.3839664	23.4834131	27.9023573	20.2219956	25.7368737	29.3103568	-0.029628453	4.66925966	0.843711613	YJL118W
YER107C	54.1875344	74.0187973	56.7126004	59.3651566	61.1820871	60.7512021	-0.02966698	5.9350445	0.799192445	GLE2
YAL016W	212.146828	224.991819	216.924183	216.174315	215.407859	209.175234	-0.029721621	7.75444896	0.731811548	TPD3
YDL063C	74.5078598	86.9692089	81.1649916	69.0031252	82.3579958	86.5107447	-0.029759845	6.32569217	0.775224558	SYO1
YDR006C	174.531209	195.752667	206.695337	159.115176	198.727759	207.496667	-0.029798608	7.57368303	0.792273629	SOK1
YHL034W-A	46.2961459	50.7080563	45.3942906	55.2852803	41.5699378	42.5452095	-0.02987227	5.55817456	0.797853233	YHL034W-A
YIL038C	139.019961	131.691297	134.548677	125.41185	133.440803	138.09439	-0.029947154	7.06410465	0.72218311	NOT3
YDR073W	13.020791	15.4253792	12.7709271	10.8205415	12.8358585	16.7856669	-0.030021527	3.77918604	0.881950089	SNF11
YMR032W	58.1989902	52.3196631	50.720554	55.0487657	51.7995306	50.938043	-0.030086197	5.73582223	0.744113718	HOF1
YPL243W	145.924926	162.714728	152.040611	157.873474	150.18606	143.13009	-0.030123672	7.24904212	0.730056152	SRP68
YLR427W	72.5350127	78.1053716	76.8676654	72.846487	78.4485973	71.5973253	-0.030135729	6.2325665	0.726634775	MAG2
YMR285C	59.2511754	64.0038123	60.5257208	66.8744941	55.8392424	57.2003879	-0.030219429	5.92502026	0.752295705	NGL2
YMR265C	42.1531669	43.6860553	38.6154099	43.2230373	39.4849252	39.1235159	-0.030228391	5.36388196	0.761126761	YMR265C
YDL137W	171.571938	204.443832	189.566558	181.111103	186.28284	186.579143	-0.030260803	7.54481021	0.747771402	ARF2
YJL061W	112.18924	103.718408	107.191052	105.722012	104.771881	105.814262	-0.030311132	6.73723478	0.708138365	NUP82
YOR133W	4626.78684	3413.55584	4225.42162	4062.90638	3955.85522	3991.05054	-0.030407336	11.9822913	0.78838967	EFT1
YFR005C	63.8544853	77.0693387	62.644121	69.6535403	63.9838227	65.7223419	-0.03056773	6.07250055	0.760367909	SAD1
YLL027W	32.0916466	35.1100049	30.3839118	31.9885953	33.8162973	29.7622786	-0.03072628	5.01444376	0.782575372	ISA1
YOR026W	43.0080673	52.1469909	43.2153646	46.5933699	43.6549503	45.2567403	-0.030956236	5.51688757	0.768021339	BUB3
YNL249C	21.76708	24.9799052	24.5734426	22.6462699	24.7595241	22.4669695	-0.031187411	4.56458682	0.803079039	MPA43
YNL176C	107.454407	95.6028167	111.367326	82.7209702	103.990001	121.050482	-0.031199989	6.69758198	0.799116409	TDA7
YPL195W	199.652129	199.896799	187.811312	215.819543	188.367853	170.503639	-0.031204813	7.59852406	0.757090469	ADL5
YAR008W	15.1251613	19.5695109	17.552459	18.0933645	17.3968235	15.6881425	-0.031228217	4.11954002	0.833993683	SEN34
YER153C	26.2388668	21.2962325	24.8155455	23.8879714	23.3912346	23.4353734	-0.031240398	4.58238858	0.795238683	PET122
YMR167W	36.0373408	36.5489396	37.3443697	37.1919158	33.7511407	36.6056659	-0.031270711	5.18494878	0.750095444	MLH1
YJL110C	48.8608472	51.859204	48.8442567	46.2385981	50.626711	49.5822776	-0.031279234	5.6281536	0.73589429	GZF3
YNR072W	7.10224965	5.8132959	7.50518938	6.03112149	6.97176072	6.97250778	-0.031401402	2.77511793	0.881572284	HXT17
YOR033W	53.0695877	59.1689919	53.6257886	57.1773968	52.0601572	53.0685315	-0.031402308	5.77699434	0.734571496	RSC58
YMR099C	179.068757	227.294114	174.132499	209.01975	186.08737	172.892369	-0.031477025	7.58173504	0.786456984	YMR099C
YFR045W	22.9507882	22.274708	19.3682307	21.5819543	21.5668486	20.0136798	-0.031548098	4.42059327	0.800749092	YFR045W
YIL049W	33.867209	28.8938073	36.5575354	25.9574738	32.9041043	38.3487928	-0.031561974	5.03793684	0.830496612	DFG10
YGR100W	88.7123591	91.2860128	89.5780668	96.4388151	84.5733217	82.6371293	-0.031634684	6.47587465	0.718445455	MDR1
YER166W	345.577055	295.729845	322.965246	302.443004	323.567885	317.184544	-0.031787392	8.31296696	0.734346304	DNF1
YER087W	24.2660196	25.6705938	25.7234313	24.3018719	24.8898373	24.855699	-0.031852432	4.6483881	0.778501472	AIM10
YHR045W	81.0182553	90.5377668	84.0702262	84.9087299	83.7262853	81.4750447	-0.031859321	6.39959569	0.706674756	YHR045W
YOL091W	13.7441683	13.5259855	16.2814189	12.3578862	15.3118109	14.9779797	-0.03195934	3.8561789	0.84638291	SPO21
YPL048W	636.243198	476.920493	616.696569	594.124595	560.672907	536.94766	-0.032021777	9.15577031	0.778579983	CAM1
YDR181C	24.0687349	24.6345608	22.2129395	24.1836146	23.4563912	21.6922464	-0.032116468	4.55482661	0.78652172	SAS4
YCR026C	108.703877	100.437637	106.162114	108.146286	100.732169	99.3582359	-0.032132346	6.70110485	0.698599873	NPP1
YLR136C	10.6533745	14.3893463	16.5840475	13.6587163	12.6403886	14.4614976	-0.032349787	3.7943611	0.859502071	TIS11
YPR063C	93.2499075	68.6659605	84.554432	88.2790625	74.6043554	77.9242305	-0.032369773	6.34564153	0.771422473	YPR063C
YDR147W	37.089526	44.1465144	36.860164	39.3205469	39.6152385	36.6056659	-0.032423724	5.28828362	0.76554383	EKI1
YER105C	208.398418	210.4298	212.626857	202.397342	213.713787	201.298882	-0.032521068	7.70229709	0.707411901	NUP157
YPL161C	32.2889313	40.347727	32.8049407	34.8858988	32.969261	35.3144607	-0.03258016	5.12557749	0.780471678	BEM4
YBR221C	761.847798	571.602392	711.600899	662.950334	636.971335	699.252146	-0.032647264	9.3969028	0.770777672	PDB1
YDL236C	66.0246172	57.7300573	64.3388412	55.9356953	60.8563039	67.0781073	-0.032721202	5.95653161	0.737947113	MTO1
YOR362C	147.174396	156.613645	143.264381	148.412891	142.106637	146.487224	-0.032849832	7.20432568	0.694989597	PRE10
YBL050W	54.5163422	60.6079266	54.1705201	58.0643265	55.3179893	52.1001276	-0.033008957	5.80564856	0.722735398	SEC17
YOL042W	29.5927069	30.8507584	30.0207575	27.3174326	31.0797184	30.0850799	-0.033194752	4.90423887	0.761971077	NGL1
YPR140W	56.2261431	52.9527943	50.9626569	49.9045739	55.187676	51.3899648	-0.03330521	5.72478937	0.717217103	TAZ1
YBL032W	297.2423	240.58987	300.510204	280.151506	273.788211	265.148977	-0.033315355	8.11035733	0.744554023	HEK2
YDL200C	9.53542778	12.7777395	10.9551555	11.4118279	10.2295928	10.9106835	-0.033372738	3.47419998	0.853218016	MGT1
YPR041W	424.162132	426.960683	412.180159	450.028094	396.087228	388.200827	-0.033390566	8.70184641	0.721942282	TIF5
YMR311C	37.4840954	37.354743	42.0048502	33.8807119	41.9608776	38.4133531	-0.033416728	5.27169356	0.766271361	GLC8
YEL013W	220.367024	164.959466	194.166512	202.160827	184.979707	178.896473	-0.033440589	7.57766068	0.760338058	VAC8
YGR027C	183.34326	233.395197	185.087654	226.462699	190.908962	170.63276	-0.033530924	7.63275253	0.785365588	RPS25A
YFR011C	15.1251613	18.4759206	15.3735331	14.6639032	16.6801004	16.5919861	-0.033538191	4.02511867	0.833240395	MIC19
YFL053W	9.53542778	6.2161976	7.2630865	6.68153655	7.81879707	7.94091164	-0.033557596	2.94019791	0.887158924	DAK2
YGR129W	7.03648808	6.33131237	7.5657151	7.62759482	7.03691736	5.7458629	-0.033575615	2.81107473	0.866439464	SYF2
YPR188C	17.8871473	25.8432659	17.7945619	24.2427432	19.0257395	16.8502271	-0.033611435	4.35321951	0.854588393	MLC2
YAR014C	121.264337	101.876572	111.185749	110.334046	110.179882	105.943382	-0.03375823	6.78454	0.702357751	BUD14
YKL148C	196.035243	160.930449	188.356043	190.27597	182.308285	159.980317	-0.033759235	7.48996728	0.743710252	SDH1
YBL071C	7.10224965	9.20918162	8.35254947	6.85892247	7.88395371	9.42579756	-0.033824931	3.04725579	0.872410118	YBL071C
YER027C	87.9889818	103.718408	91.3938384	94.6649559	93.3649684	88.576673	-0.033907734	6.54574941	0.708524196	GAL83
YPL202C	28.0144292	30.2751846	28.6891917	24.2427432	27.8218862	32.9902915	-0.033910472	4.84747489	0.796433611	AFT2
YJL209W	50.7679327	53.4708108	51.9310684	51.9740763	48.3462286	52.2292481	-0.033928789	5.68887374	0.705338055	CBP1
YDL199C	25.3839664	23.2531836	25.0576484	24.8340296	23.5867045	23.4999336	-0.033932069	4.60833228	0.763207481	YDL199C
YMR223W	47.6113773	51.2260728	52.4152742	43.5186805	51.4737474	52.8748507	-0.03399794	5.6430642	0.74364087	UBP8
YOR172W	67.9974643	65.3276321	65.1256756	63.7406761	67.762908	62.3006483	-0.034064027	6.03332319	0.688957403	YRM1

YDL169C	2.69622441	2.35985279	2.78418316	2.9564321	1.95469927	2.71153081	-0.034113209	1.43517672	0.925017406	UGX2
YMR164C	27.2252903	30.1025124	28.1444602	24.1836146	29.2553324	30.1496401	-0.034120348	4.82253414	0.785104278	MSS11
YFR002W	108.309307	135.835429	113.485726	112.167034	118.845715	118.403512	-0.034190108	6.88239696	0.727515907	NIC96
YDR318W	18.084432	17.7276746	19.3682307	17.2655635	16.6801004	19.9491195	-0.03431919	4.19386135	0.8006273	MCM21
YCR027C	15.8485386	18.3032485	16.1603675	17.679464	15.8982207	15.559022	-0.034321205	4.06298703	0.808004683	RHB1
YIL050W	36.6949565	41.5564321	38.4943584	39.4979329	39.0288287	35.5081415	-0.034410645	5.27055312	0.736453012	PCL7
YIL064W	44.0602525	55.888221	45.8784964	50.2002171	47.1082524	45.1276198	-0.034678102	5.59071116	0.752022965	EFM4
YML114C	55.3712427	59.629451	55.925766	52.4471055	55.2528326	59.2663162	-0.034698324	5.81864975	0.706246097	TAF8
YDL166C	19.9915175	22.6200524	20.3366422	21.8184689	21.4365353	18.2059925	-0.034779119	4.38350064	0.791410869	FAP7
YBL021C	12.100129	12.6050673	11.5604127	13.2448158	11.7933522	10.3296412	-0.034811056	3.5937874	0.818896435	HAP3
YBR035C	84.9639496	101.070768	81.8307745	98.4491889	84.1172252	78.8926344	-0.034858569	6.46552352	0.746737671	PDX3
YPR144C	83.977526	94.8545707	91.272787	77.458521	89.3297565	97.0340667	-0.034873486	6.47752088	0.726811292	NOC4
YBL035C	50.3733633	49.2115643	47.0284851	44.1099669	51.0828075	47.9682711	-0.03488445	5.59723477	0.715226681	POL12
YDR497C	605.532545	480.028592	554.476128	516.666074	533.567743	550.505314	-0.034902112	9.07743365	0.732625075	ITR1
YLR393W	15.5854923	16.0585105	16.4629961	16.023862	14.7254012	16.2046246	-0.034939047	3.99753091	0.792246786	ATP10
YJR064W	355.046721	368.079478	361.641182	377.477251	356.08105	325.190016	-0.034974595	8.48134894	0.705228299	CCT5
YPR105C	95.8803703	107.747425	100.049016	95.3153709	100.276072	100.907682	-0.035136856	6.64615888	0.681263954	COG4
YJL186W	301.122233	276.793465	287.194545	282.930552	281.541851	279.739595	-0.035162891	8.15484557	0.68861285	MNN5
YBL069W	58.1332286	63.1404515	58.3467948	62.4989746	55.0573627	57.71687	-0.035193186	5.8896563	0.698528882	AST1
YER093C-A	5.1951641	6.2161976	5.87099492	5.79460922	5.8640978	5.22938084	-0.035459037	2.54284306	0.860419651	AIM11
YOL159C	13.4153605	12.0870509	12.7709271	14.36826	11.7281956	11.1689245	-0.035469582	3.66905408	0.815555058	YOL159C
YDL134C	182.09379	173.995975	178.369299	170.349618	169.863366	181.220642	-0.035549246	7.46026374	0.67935992	PPH21
YKR060W	22.0301262	24.6345608	22.9392482	19.7489664	25.4110905	22.8543311	-0.035557031	4.5270937	0.793006589	UTP30
YDR203W	3.74840954	4.94993512	3.75259469	4.31639087	4.56096496	3.29257312	-0.035609504	2.08330973	0.893776176	YDR203W
YPL158C	81.21554	92.6098327	84.4939062	90.6442082	82.944056	78.4407126	-0.035631695	6.41281054	0.696618318	AIM44
YBL036C	53.0038261	66.0183208	57.1968062	61.9668168	55.9695557	54.0369353	-0.035633273	5.86249972	0.732276578	YBL036C
Q0130	0.26304628	0.46045908	0.36315432	0.23651457	0.19546993	0.64560257	-0.035743204	-1.0432325	1	OLI1
YBR002C	42.2846901	37.354743	45.5758678	43.0456514	42.4169741	36.6056659	-0.035787548	5.36936615	0.74324166	RER2
YBR029C	175.714917	144.641709	162.572086	147.703348	159.829243	163.466571	-0.035882465	7.31370468	0.707028298	CDS1
YHL002W	49.8472707	59.629451	50.8416055	49.6089306	55.5786159	51.3254045	-0.035937206	5.72622198	0.72613249	HSE1
YPR109W	30.5791305	34.7071032	33.0470436	31.5746948	33.5556708	30.859803	-0.035987788	5.02323398	0.738375694	YPR109W
YOR147W	68.3262721	80.695454	74.8703166	65.2780208	76.8848379	76.3747843	-0.036154305	6.20682433	0.716812377	MDM32
YGL122C	157.301678	171.923909	175.645642	146.875547	168.23445	177.411587	-0.036158211	7.37811132	0.71028858	NAB2
YDL171C	479.007282	388.051891	463.627021	423.301948	452.643194	421.57848	-0.036314606	8.77524988	0.720191629	GLT1
YKL055C	13.7441683	14.9649201	15.2524816	11.884857	15.3118109	15.7527028	-0.036339205	3.86811292	0.827159826	OAR1
YEL048C	13.1523142	12.4323952	13.6788129	12.6535294	13.3571117	12.2664489	-0.036401873	3.70541078	0.80098455	TCA17
YDL116W	97.5901712	116.783934	101.683211	102.233422	104.120314	101.940646	-0.036468405	6.70317132	0.687594554	NUP84
YML068W	19.2023787	23.4258558	18.218242	22.3506267	19.2212095	17.7540707	-0.036501956	4.33455657	0.803871964	ITT1
YMR029C	40.5748892	44.1465144	41.7022216	41.2126635	40.071335	42.0287275	-0.03650862	5.38385223	0.700667618	FAR8
YFL037W	923.48974	746.576843	838.583862	840.277132	791.848673	813.588362	-0.036572688	9.68971489	0.716972098	TUB2
YOL164W	36.4319103	36.3762674	40.0680272	33.52594	35.4452134	41.1248839	-0.036780167	5.22034683	0.74064955	BDS1
YHR117W	146.385257	153.85089	142.961753	142.322641	141.585384	148.16579	-0.036822105	7.18988543	0.657802442	TOM71
YDR324C	158.353863	156.49853	158.940543	147.821605	152.271073	161.788005	-0.036840185	7.28601009	0.661631645	UTP4
YER156C	156.97287	165.30481	161.058943	161.125549	156.506255	153.524292	-0.036860426	7.31482721	0.659673625	YER156C
YJR087W	11.179467	13.9288872	10.834104	12.4761435	12.6403886	9.94227962	-0.036899352	3.58171812	0.833680044	YJR087W
YCL057C-A	42.7450211	36.8367265	38.4338327	42.8091368	38.8985154	33.1839722	-0.036996869	5.28327159	0.744058946	MIC10
YIR018W	17.7556241	21.3537899	20.6392708	19.4533232	18.8302696	20.0136798	-0.037068534	4.30825952	0.782243264	YAP5
YDR029W	4.60330996	3.97145957	3.38944036	3.6659758	4.36549503	3.61537441	-0.037123983	2.0183878	0.885936932	YDR029W
YJR074W	33.406878	35.6855788	33.0470436	39.0840324	29.7114289	30.6661222	-0.037210945	5.07667952	0.758840713	MOG1
YLL031C	290.008528	242.834608	290.644511	236.751083	274.57009	291.16676	-0.037270032	8.08265388	0.729783183	GPI13
YKL205W	141.124331	163.232744	145.988039	131.679486	152.075603	155.267419	-0.03729537	7.21289508	0.700550946	LOS1
YOR007C	368.462082	407.851631	364.364839	398.290533	371.588331	341.652881	-0.037335163	8.55270647	0.699321192	SGT2
YGR202C	59.7772679	60.7230413	60.8283494	58.4190983	58.7712913	59.5245572	-0.03736564	5.90206326	0.656293736	PCT1
YDR027C	90.6194447	96.4661775	90.9096326	93.4232544	91.4799257	85.9942627	-0.037366229	6.51751811	0.654943207	VPS54
YDR161W	70.1675961	71.0258133	65.1862013	65.6919213	68.0235345	67.4009086	-0.037423595	6.08828524	0.660780652	YDR161W
YDL042C	52.1489257	61.8166316	53.2021086	50.9688894	53.1678201	58.8789546	-0.037483936	5.78560495	0.715060397	SIR2
YDR239C	41.6928359	37.354743	42.9732618	36.6006294	38.8985154	43.3844929	-0.037627876	5.33134811	0.724212664	YDR239C
YIL069C	333.148118	337.574064	315.27848	377.299865	320.96162	261.920964	-0.038138164	8.34211451	0.749229469	RPS24B
YGR276C	53.1353493	57.6149425	55.6836631	53.3931637	55.2528326	53.5204533	-0.038146438	5.7786461	0.665300977	RNH70
YGR056W	76.8095148	85.1273726	79.1676428	78.7593512	79.0350071	77.0849472	-0.038198408	6.31223362	0.649457454	RSC1
YFL049W	39.1938962	43.2831536	40.4311815	38.0784855	40.3971182	41.3185646	-0.038200943	5.34262765	0.698818231	SWP82
YBR288C	66.0246172	84.7820283	71.9045563	74.3838316	71.4768366	71.1454035	-0.038205653	6.19837045	0.704930929	APM3
YNL052W	84.1748107	80.6378966	81.7097231	84.6722154	83.2050322	72.1138074	-0.038232601	6.3436346	0.667067165	COX5A
YBR153W	20.386087	25.9583807	21.3655794	23.9471	19.8076192	22.2087285	-0.038361954	4.48718106	0.781977321	RIB7
YBR166C	53.2668724	74.9397155	55.0178802	56.3495958	61.9639668	60.23472	-0.038539943	5.91743766	0.756890015	TYR1
YHR115C	95.0254699	81.6739295	96.4779989	89.1068635	88.2209396	88.5121127	-0.038739448	6.49107878	0.662987602	DMA1
YEL017C-A	1.64403927	1.5540494	0.60525721	1.53734469	0.97734963	1.16208463	-0.038744687	0.45710642	0.946212272	PMP2
YOR185C	43.7972062	49.569086	41.3390673	46.2385981	42.2215042	42.6743301	-0.038767737	5.47390319	0.704689497	GSP2
YPL262W	283.563894	236.733525	273.999938	276.781173	248.898373	247.394906	-0.03878544	8.02982912	0.696626353	FUM1
YBR271W	41.6928359	42.4773502	41.1574901	42.6317509	39.7455518	39.5754377	-0.038952624	5.36962191	0.676267496	EFM2
YBL023C	78.6508388	78.4507159	78.6229113	80.0601813	75.9726449	73.3404523	-0.039046747	6.27884345	0.633962089	MCM2
YLR353W	84.0432876	83.5733232	89.0333353	77.6950356	91.3496125	80.8294421	-0.039050098	6.40153235	0.664366749	BUD8
YHL003C	189.393324	164.326335	194.892821	175.434681	177.486694	180.962401	-0.03908673	7.49609279	0.675219153	LAG1

YGR072W	19.9915175	23.8863148	22.9997739	23.4149422	19.8727759	21.821367	-0.039154974	4.46870423	0.762986179	UPF3
YNR007C	12.8892679	11.9143787	11.6814641	12.1213716	12.2494487	11.1043642	-0.039156843	3.59870493	0.794392118	ATG3
YJR055W	5.65549509	5.8132959	4.41837762	5.08506321	5.0822181	5.2939411	-0.039217805	2.41908898	0.856897859	HIT1
YDR280W	38.9966115	48.6359904	38.796987	42.276979	43.1336972	37.7031902	-0.03922278	5.38312742	0.735040461	RRP45
YDR211W	162.036511	193.162585	177.037733	175.139038	172.599945	170.309959	-0.039261013	7.45276913	0.672465887	GCD6
YLR067C	52.7407798	56.6940244	56.4704975	52.3879768	52.5814103	56.5547854	-0.039312777	5.77347442	0.662173727	PET309
YKL021C	67.1425639	84.8395857	79.2281685	74.6794749	72.3238729	78.1179113	-0.039399981	6.25170397	0.691017965	MAK11
YIR005W	2.23589341	3.16565618	2.54208027	2.01037383	3.25783211	2.51785003	-0.039441509	1.45741836	0.929598349	IST3
YHR102W	94.4336158	84.436684	92.6043528	74.2655744	97.80012	92.1274871	-0.039567531	6.48183537	0.709167482	KIC1
YHR083W	112.320763	108.207884	105.133177	112.994835	98.4516865	105.233219	-0.039825001	6.74398033	0.642677854	SAM35
YKL018C-A	5.91854138	5.46795159	6.29467496	6.20850741	4.82159153	6.13322444	-0.040128291	2.56915046	0.845854633	YKL018C-A
YOR154W	37.3525723	42.592465	38.8575128	36.6006294	38.7030455	40.3501608	-0.040144873	5.29298942	0.695095671	SLP1
YOR169C	39.9830351	37.1245134	37.283844	46.1794694	33.881454	31.0534837	-0.040203396	5.23754393	0.763727907	YOR169C
YOL022C	51.7543563	72.1194036	51.3258112	55.5809235	57.9894116	56.9421469	-0.040221533	5.85214422	0.747661811	TSR4
YDL084W	1108.67432	1076.20799	1088.55509	1087.78963	1053.71322	1041.80887	-0.040256912	10.0717978	0.651690964	SUB2
YLR340W	4337.8305	3508.12262	4051.04702	4138.76843	3857.46869	3572.63552	-0.040331057	11.9333564	0.705141335	RPP0
YBR248C	111.268578	110.625294	110.03576	109.74276	106.856893	106.137063	-0.040376011	6.7713299	0.612053905	HIS7
YGR168C	13.3495989	17.4974451	16.2814189	13.2448158	16.7452571	15.9463835	-0.040378371	3.96722995	0.813145271	YGR168C
YBL065W	0.78913885	0.46045908	1.08946297	0.76867235	0.71672306	0.77472309	-0.040647787	-0.1709923	0.92081603	YBL065W
YJL024C	14.7963534	23.5985279	17.4919333	16.4377625	19.4166794	18.5933541	-0.040683799	4.21210009	0.825304341	APS3
YGR119C	140.532477	131.921527	136.06182	120.385915	131.095164	145.712501	-0.040688348	7.07033919	0.658767342	NUP57
YDR517W	118.568112	107.459638	118.327784	99.1587327	113.568027	122.083446	-0.040727765	6.82400789	0.670461039	GRH1
YKR018C	209.976696	210.947817	192.592844	210.793609	196.316963	189.226114	-0.040820766	7.65659227	0.653773671	YKR018C
YLR084C	237.333509	207.78216	237.079248	194.060203	227.526995	241.584483	-0.040858556	7.80947441	0.695660332	RAX2
YNL116W	66.6822329	65.4427469	67.7888073	63.267647	65.6127388	65.4641009	-0.040877302	6.04070265	0.622605443	DMA2
YLR254C	6.57615709	8.1155913	6.77888073	8.33713852	6.71113415	5.81042315	-0.040891899	2.84773257	0.859404978	NDL1
YDR488C	40.1803198	36.8942839	37.9496269	39.2614183	36.2922497	36.1537441	-0.040925383	5.2446089	0.672585099	PAC11
YGR166W	33.9987321	48.117974	41.0364387	37.9605882	38.8333588	43.0616916	-0.040936452	5.34509107	0.749916711	TRS65
YDL014W	970.509263	737.137432	971.256242	893.611167	852.835291	857.231096	-0.041024271	9.78224168	0.717427821	NOP1
YLL046C	0.460331	0.23022954	0.842420577	0.41390049	0.19546993	0.51648206	-0.041160018	-0.9827322	1	RNP1
YFR033C	84.1748107	82.3070608	82.3149803	96.6753297	75.581705	69.4022766	-0.04116589	6.35556827	0.710033224	QCR6
YDL019C	210.568855	171.866352	194.711244	191.990701	189.996769	178.767352	-0.041214039	7.56804374	0.67127785	OSH2
YDR453C	7.36529594	7.25223053	6.89993217	8.33713852	6.90660408	5.61674238	-0.041399707	2.84744571	0.838270852	TSA2
YOL051W	169.993661	178.830796	180.911379	146.047746	181.396092	187.418427	-0.041475553	7.44470816	0.69044442	GAL11
YEL006W	57.9359439	53.8161551	56.7126004	55.1078944	55.8392424	52.6811699	-0.041484752	5.79362026	0.63336999	YEA6
YKL166C	35.8400561	39.8297105	37.1022668	37.487559	35.9013099	36.2183043	-0.04156973	5.21716782	0.673640803	TPK3
YLR016W	81.21554	86.5087499	85.5228435	73.6742879	86.4628643	86.0588229	-0.04159591	6.38128199	0.649339578	SW1
YER125W	286.391641	222.574408	265.647389	259.219967	254.342997	254.883896	-0.041602375	7.99219767	0.690881066	RSP5
YGL010W	14.2044993	11.1085753	13.0735557	10.7022842	12.2494487	14.3323771	-0.041622537	3.66837938	0.817735752	MP01
YJR044C	34.9193941	27.8577744	34.3786094	25.3661874	30.9494051	38.0905518	-0.041650808	5.00092168	0.779840267	VPS55
YLR076C	11.4425133	11.9143787	10.5920011	6.91805112	10.750846	15.3653412	-0.04165998	3.49383584	0.874341125	YLR076C
YHR181W	74.5078598	69.1264196	75.2939967	63.6815474	68.3493177	80.7003216	-0.041684543	6.17099362	0.677621123	SVP26
YLR151C	10.9164208	10.0725424	11.3183098	11.1753133	9.9380962	10.2650809	-0.041712057	3.42424334	0.792368877	PCD1
YDR021W	13.5468836	16.5189695	15.3735331	14.1908741	13.3042997	15.6235823	-0.041719554	3.91418474	0.785764037	FAL1
YNL272C	84.2405723	80.8105687	82.5570832	82.0114265	82.0322126	76.4393446	-0.041773158	6.34824331	0.610247415	SEC2
YDR418W	895.343787	918.09785	878.954517	1027.2419	824.817934	763.360482	-0.041792132	9.78918089	0.711365561	RPL12B
YLR278C	164.009358	167.434433	167.414144	153.379697	165.302401	165.984421	-0.041851744	7.35792328	0.62429228	YLR278C
YGL204C	4.53754839	4.08657433	3.99469757	4.37551951	4.56096496	3.29257312	-0.042078405	2.09239292	0.861609926	YGL204C
YKL015W	82.0046789	86.5663075	76.080831	82.1296838	78.7092239	76.7621459	-0.042123613	6.33105427	0.625156034	PUT3
YHR159W	21.2409874	22.6776097	23.4839797	22.4097553	21.7623185	21.3048849	-0.042168334	4.47759847	0.72095326	TDA11
YIL014W	92.8553381	84.8971431	89.093861	86.0913028	86.5931776	86.3816242	-0.042292021	6.4556537	0.604758628	MNT3
YNL306W	53.9902497	64.7520583	53.8073658	63.4450329	52.2556271	51.8418866	-0.042378198	5.82869672	0.70074315	MRPS18
YNL184C	2.36741655	1.72672155	1.57366874	1.59647333	2.21532584	1.67856669	-0.042383132	0.98139661	0.908287597	YNL184C
YGL202W	586.06712	434.558258	548.423556	486.510466	529.267405	507.701863	-0.042431631	9.00987797	0.706631281	ARO8
YDR511W	18.7420477	18.6485928	17.128779	19.0985514	17.0710403	16.7211066	-0.042450824	4.17250904	0.743567949	SDH7
YHR201C	66.353425	73.1554365	75.4755738	77.1037492	68.6099443	63.0108111	-0.042463444	6.14492813	0.663596799	PPX1
YHR213W-A	0.52609257	0.17267216	0.48420577	0.41390049	0.39093985	0.32280129	-0.04247106	-0.9824457	1	YHR213W-A
YDR495C	38.7993268	43.4558258	37.1627926	39.970962	37.6605392	38.3487928	-0.042477533	5.29898593	0.675987457	VPS3
YCL029C	37.3525723	33.325726	36.7391125	34.7676415	35.3149001	34.1523761	-0.042544134	5.14538777	0.666960307	BK1
YHR025W	445.205835	340.106589	441.898288	387.233477	403.254459	400.919198	-0.042605511	8.6553701	0.698338172	THR1
YNL133C	3.48536326	3.8563448	2.96576032	4.90767729	2.21532584	2.84065132	-0.04268363	1.81647256	0.901394372	FVY6
YMR262W	25.9758205	28.4333483	23.1813511	26.6670175	25.7368737	22.9188913	-0.042686248	4.67921685	0.730956446	YMR262W
YBR133C	173.479024	140.037118	151.072199	145.515588	154.551555	150.748201	-0.043067856	7.25427564	0.649360709	HSL7
YER139C	6.57615709	8.86383731	4.78153194	7.56846618	5.34284467	6.71426676	-0.043269117	2.76249029	0.880125084	RTR1
YOR160W	138.756915	118.107754	128.072425	129.018697	122.689957	121.696085	-0.04329187	6.98306627	0.62267161	MTR10
YGR029W	28.343237	28.2031187	26.3892143	30.392122	24.4337408	25.5658619	-0.043405089	4.77387978	0.714210813	ERV1
YBR179C	58.3962749	60.6079266	51.8705427	52.6244914	55.9695557	57.2649482	-0.043435484	5.81362223	0.646477164	FZ01
YNR026C	42.8765442	50.9958432	44.9100848	44.3464815	46.5218426	43.9009749	-0.043529716	5.51501029	0.662557275	SEC12
YOR148C	13.3495989	12.8928543	11.8025156	13.0674299	12.575232	11.2334848	-0.043566624	3.65684757	0.77813259	SPP2
YKR065C	110.413677	89.9046356	102.893725	88.5155771	100.145759	105.49146	-0.043588306	6.63893693	0.66400078	PAM17
YLR357W	110.676724	109.128802	113.667304	104.184667	114.154437	105.233219	-0.043649882	6.77647237	0.59899929	RSC2
YGR098C	104.889706	109.071245	100.654274	99.6908904	102.686868	102.90905	-0.043652167	6.69268502	0.593146034	ESP1
YNR052C	103.969044	112.812475	104.346343	89.2842494	103.794531	118.597193	-0.043745958	6.72224853	0.674754473	POP2

YKR096W	104.758182	98.9411451	98.5963992	94.310184	100.797326	98.131591	-0.043834937	6.63476686	0.594100798	ESL2
YOR173W	18.0186704	18.6485928	15.4945845	18.4481363	16.8755703	15.2362207	-0.043977532	4.10878504	0.752184363	DCS2
YDR285W	10.3245666	11.2236901	12.0446184	9.87448322	10.8811593	11.8790873	-0.044063231	3.48049169	0.79183552	ZIP1
YDR479C	65.5642862	60.8957135	62.4625439	63.3267756	62.6806899	57.1358277	-0.044103192	5.95730655	0.612460416	PEX29
YIR036W-A	6.37887237	6.27375498	7.38413794	6.14937877	7.23238729	6.06866418	-0.044107165	2.74479846	0.815513433	YIR036W-A
YPR177C	3.22231697	3.05054141	2.54208027	3.01556074	3.12751883	2.38872952	-0.044214387	1.59210363	0.89424	YPR177C
YKL047W	33.9987321	47.4848427	37.1022668	38.7883892	37.6605392	38.6715941	-0.044226915	5.28914119	0.724398973	ANR2
YBR220C	109.295731	90.5953242	100.593748	89.1659922	98.1259032	104.071135	-0.044254621	6.62560498	0.64538753	YBR220C
YKL038W	140.072146	124.554181	136.4855	119.676371	137.350202	131.961166	-0.044286121	7.04210367	0.622360313	RGT1
YNL256W	117.384404	121.446083	131.098711	122.33716	118.650246	117.757909	-0.044341803	6.9257363	0.59805972	FOL1
YLR238W	18.2817167	19.3968388	16.8261504	19.0985514	16.940727	16.7856669	-0.044435566	4.17175517	0.738135127	FAR10
YGR283C	27.5540982	37.7576447	31.1707462	26.0757311	31.3403449	36.2828646	-0.044471791	4.99226276	0.765871962	YGR283C
YAL008W	31.8943619	34.4193163	29.2944489	35.4180566	29.4508023	27.7609106	-0.044747487	4.9780119	0.711509106	FUN14
YGL054C	63.9860085	66.0758781	76.3229339	55.6400521	65.3521122	79.1508754	-0.045077483	6.08466263	0.713771625	ERV14
YMR203W	418.901206	325.487013	375.864726	346.789485	358.100906	380.647277	-0.045284551	8.5225083	0.665530641	TOM40
YBR112C	274.488797	267.411611	296.818135	245.383864	290.207685	277.157184	-0.045513843	8.10516512	0.638650281	CYC8
YNL288W	97.458648	79.3140767	96.0543189	85.3226304	85.8112979	93.095891	-0.045715166	6.48570134	0.635440529	CAF40
YER178W	1049.02858	819.041591	1025.42676	939.021964	899.487446	964.530244	-0.045764977	9.8910695	0.672436943	PDA1
YBR247C	98.839641	103.660851	107.07	92.2998102	102.035302	105.685141	-0.045794084	6.66846265	0.600335474	ENP1
YOL092W	190.840079	153.102644	194.348089	149.831979	169.79821	201.815364	-0.045864677	7.46530315	0.707650534	YQP1
YGL203C	175.714917	137.447036	162.995766	162.012479	151.228567	147.842989	-0.04587556	7.28834798	0.647041997	KEY1
YDR364C	41.1667434	47.081941	42.9732618	38.7883892	44.1762035	44.2883365	-0.0459145	5.43314411	0.654733144	CDC40
YNL258C	68.9838878	79.8896506	71.7229791	74.9751181	71.6071498	67.1426676	-0.045974865	6.18048244	0.614842425	DSL1
YHR002W	16.8349621	17.6125599	15.0709045	15.6690901	17.2013536	15.1071002	-0.046169856	4.03330712	0.742360893	LEU5
YCR045C	46.4934306	37.4698577	44.2443019	40.0300906	42.1563475	41.899607	-0.046211275	5.39766839	0.658862174	RR12
YDL216C	13.2180757	11.9719361	13.9209158	12.1805003	12.6403886	13.041172	-0.046462235	3.69455447	0.752446497	RR11
YAL003W	1471.48091	1484.23229	1361.52609	1576.84263	1336.29758	1267.05961	-0.046503544	10.4679925	0.657035288	EFB1
YMR312W	61.9473998	50.3051546	61.0099266	48.3672292	59.0970745	60.2992803	-0.046548138	5.83123499	0.679748397	ELP6
YFR010W	123.039899	151.606152	123.169842	131.147328	127.902489	126.215303	-0.046617926	7.02964661	0.631145146	UBP6
YER118C	119.423013	109.243917	114.393612	104.95334	111.352702	115.821102	-0.046666579	6.81562524	0.581077859	SHO1
YER113C	125.473077	116.208361	122.685636	108.85583	120.474632	123.439212	-0.046759137	6.90248424	0.589745474	TMN3
YMR163C	44.1260141	45.9883507	43.4574675	39.8527047	48.6720118	40.8666428	-0.046804341	5.45767852	0.65437117	INP2
YER165W	1705.78939	1580.9287	1557.3268	1624.14554	1564.0852	1500.96142	-0.04684496	10.6338987	0.613929314	PAB1
YHL009C	17.4268163	17.9003468	19.0050763	18.2707504	18.3090165	16.0109438	-0.046865742	4.16598359	0.722719171	YAP3
YKL054C	290.271574	295.039156	294.33658	257.505236	293.074577	301.04448	-0.046867789	8.17323565	0.615956258	DEF1
YPR168W	9.40390463	8.63360777	8.17097231	9.9927405	7.81879707	7.48898984	-0.046912161	3.1236997	0.792807933	NUT2
YOL123W	235.492185	257.339069	255.963273	251.414986	235.280635	238.162789	-0.046917465	7.94103079	0.600945291	HRP1
YJR003C	47.808662	61.0108283	51.6284398	49.4906734	52.0601572	53.9078148	-0.046993817	5.72219715	0.659548716	YJR003C
YDL145C	960.053173	766.088796	922.048831	819.759493	857.005316	886.476892	-0.046993959	9.76267238	0.652616535	COP1
YDR208W	130.997049	151.893939	139.269684	138.834051	136.047069	133.833413	-0.04700489	7.11497987	0.591019795	MSS4
YML083C	6.64191866	6.33131237	7.5657151	6.26763605	7.29754393	6.32690521	-0.04705677	2.77799958	0.817651795	YML083C
YKL019W	92.7238149	79.7169784	85.2807406	82.5435842	81.1851763	85.6069011	-0.047089135	6.40296447	0.586424331	RAM2
YGL078C	171.966508	179.003468	171.832521	175.198166	168.364764	162.433607	-0.047100674	7.42289978	0.583349077	BDP3
YIR037W	112.518048	88.177914	88.8517581	94.5466986	89.785853	95.7428615	-0.047170376	6.57049605	0.643130375	HYR1
YJL213W	23.7399271	21.9293637	23.3024025	23.3558136	22.5441982	20.7884028	-0.047260669	4.50680694	0.685026062	YJL213W
YPR156C	186.039484	144.699266	174.071973	176.203353	155.724375	156.429503	-0.0472778	7.37193384	0.651854511	TPO3
YGR094W	1342.45671	1199.20812	1281.81371	1247.49609	1255.24271	1197.33453	-0.047300781	10.2923699	0.610695949	VAS1
YLR114C	150.133666	137.447036	144.232793	152.729282	140.868661	124.149375	-0.047308444	7.14691883	0.615984638	AVL9
YKL036C	1.64403927	0.74824601	1.08946297	1.06431556	0.97734963	1.29120515	-0.04732561	0.32281365	0.938912308	YKL036C
YJL168C	79.834547	79.2565193	75.1124195	77.9315502	75.3210785	73.3404523	-0.047332075	6.26541376	0.564905801	SET2
YOR260W	273.962704	267.814513	291.068191	255.021833	262.646425	288.326109	-0.047344328	8.09412744	0.608077182	GCD1
YKR026C	50.2418401	69.2415343	56.4099718	54.1027074	56.2953389	59.976479	-0.047363838	5.85440416	0.683114548	GCN3
YKL198C	75.4285218	51.3411875	71.3598248	62.0850741	65.2869555	64.237456	-0.047435659	6.0235206	0.699106374	PTK1
YJL080C	1024.43375	835.330331	1044.18974	908.038555	947.377579	954.200602	-0.04761102	9.895376	0.648779395	SCP160
YPR181C	851.152012	672.155144	859.465235	688.434779	776.536862	840.380869	-0.047638407	9.61001003	0.682872158	SEC23
YDR132C	14.7305919	16.8643138	15.9182646	15.0186751	15.8330641	15.1716605	-0.047654583	3.97458221	0.7365231	YDR132C
YMR177W	37.4183338	41.4413173	33.591775	39.4979329	35.5755267	33.7004543	-0.047690364	5.20986281	0.670785196	MMT1
YBR163W	65.893094	75.918191	64.3388412	65.6327926	70.6949569	63.2044919	-0.047773674	6.08209118	0.617167128	EXO5
YDR053W	3.41960169	2.87786926	2.11840023	2.42427432	2.80173562	2.90521158	-0.047797269	1.5227298	0.894910816	YDR053W
YNL004W	78.6508388	82.191946	76.4439854	77.3402637	75.7120183	76.5039049	-0.047883591	6.28423101	0.557675189	HRB1
YAL051W	72.6665358	79.8320932	74.0834823	70.0674408	71.9980897	77.2140677	-0.047969436	6.21798332	0.58195819	OAF1
YCR031C	1314.90261	1051.68854	1202.10134	1113.39233	1121.34581	1217.08997	-0.04799695	10.1925267	0.645282366	RPS14A
YFR040W	191.826502	193.507929	183.392934	173.424307	192.798504	183.932173	-0.048048639	7.54380084	0.588758442	SAP155
YDR374W-A	2.76198598	5.23772205	3.63154325	3.84336173	3.90939854	3.55081415	-0.048140507	1.98744878	0.874058678	WIP1
YER171W	76.0203759	77.5873552	71.7835049	73.8516739	71.6723065	72.4366086	-0.048274728	6.20984298	0.55894794	RAD3
YNR058W	14.4675456	13.1806412	12.7104014	10.6431556	14.204148	14.2032566	-0.048757477	3.73771243	0.774793434	BIO3
YJL051W	79.4399776	73.7310104	78.683437	76.808106	75.2559218	71.9846868	-0.048848297	6.24995145	0.556240305	IRC8
YOR301W	56.8837588	50.929415	55.4415602	52.0923336	52.1904705	53.1330917	-0.048907873	5.74161208	0.583047452	RAX1
YDR164C	62.4077308	74.7670433	60.1625665	63.1493897	63.9186661	63.7855342	-0.048967988	6.01872544	0.620417814	SEC1
YMR038C	104.626659	108.265441	110.762069	103.415995	103.338435	106.137063	-0.048990454	6.73089891	0.543100503	CCS1
YOR206W	208.06961	224.416245	223.279384	200.386968	218.209595	215.308458	-0.0491577	7.74867234	0.583209946	NOC2
YKL028W	80.1633549	87.5447828	78.6229113	89.6390213	79.6865735	68.6921137	-0.049208263	6.33753088	0.630787	TFA1
YML010W	374.2491	341.257737	375.017366	338.393218	358.557002	356.889102	-0.049339166	8.48183224	0.584709477	SPT5

YPL117C	86.8052735	125.878001	96.7806276	106.608942	99.0380962	93.4832525	-0.049480881	6.6666828	0.68437096	ID11
YML062C	23.8056887	24.1165444	25.2997513	23.296685	23.5215479	23.9518554	-0.04948883	4.59242038	0.65919614	MFT1
YMR168C	31.565554	30.2176272	31.1707462	27.0217894	30.6236219	32.2155684	-0.049539425	4.93463723	0.65389527	CEP3
YIR010W	55.7000505	54.2766142	50.7810797	55.3444089	51.9950005	47.9037109	-0.049553442	5.72235539	0.595518198	DSN1
YDR030C	9.4696662	10.1876572	9.19990956	9.2831968	9.2522432	9.3612373	-0.049629665	3.26105927	0.768531675	RAD28
YEL077C	122.776853	106.135818	118.327784	114.354794	117.151643	103.877454	-0.049644475	6.83145706	0.581502408	YEL077C
YPL103C	39.4569425	35.8582509	37.3443697	34.8858988	36.8786595	37.0575877	-0.049649226	5.21055392	0.610161617	FMP30
YKR044W	52.411972	44.7220883	47.3916394	42.3361077	45.5444929	51.7127661	-0.04985714	5.56857216	0.635829072	UIP5
YKL125W	68.5893184	85.6453891	74.5071623	71.9595573	73.1057526	76.0519831	-0.049895065	6.23106844	0.605893758	RRN3
YDR303C	161.904987	155.692727	163.298395	152.551896	158.070014	153.911653	-0.049914045	7.30097078	0.546279905	RSC3
YHR130C	1.44675456	0.69068862	0.96841153	0.53215778	1.10766292	1.3557654	-0.049958266	0.17296539	0.938078557	YHR130C
YOR030W	61.8158766	59.3992215	61.0704523	58.1234551	59.3577011	58.5561533	-0.050156327	5.90308495	0.54918114	DFG16
YDR152W	53.5299187	52.4347779	52.8389543	56.0539526	48.3462286	48.8721147	-0.050163156	5.70450191	0.589273874	GIR2
YDR455C	11.7713212	8.97895208	10.834104	11.2935706	8.99161663	10.1359604	-0.050170759	3.38603407	0.771927339	YDR455C
YKL058W	56.3576662	47.7150723	49.2679367	53.8070642	48.4765418	45.6441019	-0.050248008	5.65341423	0.619718609	TOA2
YGR077C	112.386525	94.3941116	102.046365	92.2406815	99.2987228	106.653545	-0.050308681	6.66211405	0.591760376	PEX8
YLR020C	94.8281852	105.963146	108.704195	101.760393	100.862482	96.3239038	-0.05036953	6.6659715	0.560969151	YEH2
YPR119W	87.0025583	86.3936351	93.3911872	82.8392275	89.06913	85.7360216	-0.0505774	6.45166172	0.54526538	CLB2
YER126C	55.7658121	61.2986152	59.6783607	56.7634963	58.4455081	55.5218212	-0.0505776	5.85909439	0.564274279	NSA2
YDR131C	17.624101	23.0805114	16.5235218	19.6898378	17.3316668	18.2705528	-0.050584059	4.24031866	0.750115963	YDR131C
YHR001W-A	6.37887237	4.54703343	4.47890334	5.08506321	4.88674817	4.84201929	-0.050726018	2.36433403	0.815586809	QCR10
YJL041W	201.756499	193.105027	198.403313	186.136965	187.06472	199.555755	-0.050728862	7.60330426	0.561411241	NSP1
YER128W	6.44463394	7.3673453	6.96045789	6.03112149	6.58082087	7.48898984	-0.050921548	2.79438015	0.80004664	VFA1
YOR136W	286.457403	228.099917	248.458084	263.358972	237.495961	235.515818	-0.050934678	7.96585093	0.621851216	IDH2
YGL255W	64.05177	55.7731062	72.6913907	57.7686832	60.3350507	67.7237099	-0.050992509	5.98114628	0.637836099	ZRT1
YFL033C	154.539692	140.727807	155.066897	132.862059	151.228567	150.55452	-0.051240364	7.2056066	0.569966649	RIM15
YGL247W	12.4289369	14.3893463	13.5577615	12.1213716	12.4449187	14.4614976	-0.051245899	3.74013571	0.744119391	BRR6
YLR335W	223.720864	230.747557	228.00039	222.560209	218.079282	218.019989	-0.051247836	7.80510729	0.550257732	NUP2
YAR003W	68.7208416	55.2550897	66.75987	61.3164018	60.9866172	61.6550457	-0.051275091	5.96714746	0.596775139	SWD1
YJL081C	103.179905	109.18636	101.380582	111.930519	98.7774697	91.9983666	-0.051355991	6.6848682	0.57718074	ARP4
YOL078W	55.7658121	60.7805987	57.7415376	52.7427487	57.072186	58.4915931	-0.051357453	5.83859564	0.568832108	AVO1
YNL067W	245.882513	259.929151	258.747456	226.876599	244.532878	266.504742	-0.051376019	7.96886571	0.584453792	RPL9B
YDR325W	61.6843535	66.1334355	60.8283494	60.9025013	62.9413164	58.2333521	-0.051500012	5.95227663	0.552920233	YCG1
YOR176W	158.353863	140.152233	140.177569	147.998991	133.245333	141.903445	-0.051517706	7.16750643	0.563174654	HEM15
YGL083W	71.2855428	73.2705513	67.5467044	66.0466931	66.850715	71.7910061	-0.051634367	6.12078806	0.548544184	SCY1
YER044C	31.8943619	24.807233	34.9838666	30.392122	29.8417422	28.1482722	-0.051644476	4.91293017	0.689622971	ERG28
YDL154W	16.8349621	17.785232	17.1893047	17.797712	16.8486305	15.6881425	-0.051708615	4.09568171	0.698050826	MSH5
YOL107W	33.0780701	26.8217415	29.6576032	26.1348598	28.0825128	32.1510081	-0.051734689	4.87890832	0.672922589	YOL107W
YGR089W	178.279619	148.095152	177.21931	160.65252	167.322257	157.785269	-0.051747167	7.36634797	0.587425693	NNF2
YPL050C	206.754379	213.653014	206.513759	202.45647	198.206506	204.139533	-0.051856526	7.68240577	0.544939748	MNN9
YDR487C	138.822676	131.921527	120.022504	130.496913	129.661718	116.724945	-0.051868154	7.00073177	0.565904964	RIB3
YJL122W	41.4297896	45.4127769	46.7863822	44.1099669	43.1336972	41.7059262	-0.051892349	5.45610732	0.585091553	ALB1
YFL050C	38.4047574	35.9733657	36.7996382	36.4232435	35.51037	35.2499005	-0.051979624	5.19045685	0.584241893	ALR2
YPR022C	119.949105	130.597707	123.04879	112.107905	122.820271	121.56597	-0.052015108	6.93633195	0.548080208	YPR022C
YGR195W	27.882906	31.2536601	27.1155229	27.7904617	27.3657898	28.0837119	-0.052079118	4.82687202	0.638233906	SKI6
YJR061W	56.4891894	51.6865319	50.1152968	50.0819598	50.8873376	51.6482058	-0.052114534	5.69861104	0.563961997	YJR061W
YFR034C	70.496404	66.4212225	66.1546128	59.956443	65.938522	69.9833189	-0.052268029	6.05753213	0.563900851	PHO4
YAL056W	145.333072	140.267348	148.348542	138.420151	141.45507	138.610872	-0.052298403	7.15172554	0.520818693	GPB2
YMR268C	15.3882076	17.3247729	16.2208932	15.0778037	15.5724375	16.5919861	-0.052452624	4.01420526	0.700121917	PRP24
YJL175W	7.8913885	8.57605039	9.38148672	7.21369433	8.53552014	9.23211679	-0.052481411	3.10320269	0.768753235	YJL175W
YDL085W	9.60118935	7.13711576	7.50518938	7.62759482	9.2522432	6.45602573	-0.052529542	3.00689166	0.799835385	NDE2
YJR031C	139.611815	136.238331	136.06182	131.088199	137.610828	128.474912	-0.052539089	7.07649047	0.521035051	GEA1
YNL170W	16.703439	13.5259855	15.4945845	16.6151484	13.4222683	13.9450156	-0.052759702	3.91408313	0.718068731	YNL170W
YLR386W	68.2605106	72.3496331	68.1519616	63.0311324	67.3068115	71.016283	-0.05283888	6.09753391	0.548109972	VAC14
YJL068C	122.119237	94.3365542	104.285817	98.5083176	103.729374	106.847226	-0.052871909	6.71521014	0.595381538	YJL068C
YBR286W	1863.8802	1386.21206	1602.29741	1547.6922	1538.73926	1591.1521	-0.052892142	10.6333835	0.634787863	APE3
YJL133W	67.2083254	66.8816815	68.0914359	62.6172319	64.4399192	67.8528304	-0.053108535	6.0510198	0.528321711	MRS3
YML086C	250.157016	211.52339	248.09493	233.499007	231.045453	219.440314	-0.053167711	7.86052062	0.578932877	ALO1
YGL087C	32.2889313	43.2831536	29.6576032	42.2178504	32.6434778	26.5342657	-0.053326024	5.11293784	0.754144222	MMS2
YML076C	46.4934306	52.2621057	48.0574223	43.7551951	47.4340356	50.4215609	-0.053351504	5.59088967	0.586208294	WAR1
YPL220W	1243.09097	1030.39231	1251.85348	1156.79275	1064.52922	1175.77141	-0.05341638	10.1722434	0.607540532	RPL1A
YGL014W	312.235938	258.259987	308.681176	261.999013	286.233129	298.913991	-0.053479879	8.16904129	0.600006409	PUF4
YHR155W	94.0390463	93.2429639	92.78593	87.6877761	94.346818	87.8665101	-0.053483148	6.52015795	0.513489726	YSP1
YOR389W	19.5969481	19.0514945	17.3708819	17.9751072	16.8104137	19.1743964	-0.053502755	4.20576371	0.68183308	YOR389W
YDR067C	12.0343675	16.5765269	11.6814641	14.0726168	13.4222683	11.3626053	-0.05358862	3.73762104	0.773536933	OCA6
YKL183W	32.8150239	34.073972	32.7444149	27.5539472	33.2298876	35.3144607	-0.053589759	5.03284047	0.647629711	LOT5
YBR107C	20.1230407	18.9939371	20.8813737	18.5663936	20.1985591	19.0452759	-0.053689485	4.30406489	0.66567511	IML3
YPL072W	21.2409874	21.814249	19.8524364	17.7385926	19.6121493	23.3062529	-0.053878401	4.3722942	0.69459926	UBP16
YOR051C	102.522289	124.899526	104.770023	116.424296	108.746436	94.8390179	-0.054046644	6.76620782	0.603870161	ETT1
YBR182C	13.3495989	10.014985	12.2867213	11.8257284	11.3372558	11.1043642	-0.054096076	3.55659267	0.745896573	SMP1
YLR310C	290.797666	288.535172	297.362866	262.353785	293.98677	288.132428	-0.054136072	8.16480122	0.548452932	CDC25
YCR044C	127.380163	100.725424	114.756767	107.9689	111.222388	110.914522	-0.054150227	6.81077547	0.567897708	PER1
YDR300C	86.1476578	98.4231286	87.7017694	90.2894364	85.8764545	86.1233832	-0.054208364	6.47950768	0.533053132	PRO1

YIL062C	51.6885947	71.2560428	50.2363483	53.8070642	57.012062	56.1028636	-0.054221254	5.828567	0.663588352	ARC15
YDR432W	401.014059	441.637816	425.919497	404.91294	417.523764	399.369751	-0.054276713	8.69764966	0.545103336	NPL3
YBL013W	14.0072146	11.6841492	15.430588	10.5248983	12.0539788	17.0439079	-0.054384658	3.76147398	0.780084003	FMT1
YKL179C	70.2333577	73.0403217	69.9677332	65.573664	72.1935596	67.6591496	-0.054413324	6.12725232	0.523567795	COY1
YPR061C	7.75986536	11.9719361	8.59465235	9.81535457	8.27489357	9.23211679	-0.054420635	3.2365269	0.801306771	JID1
YBL083C	8.02291165	6.61909929	7.92886942	4.13900494	6.90660408	10.7170027	-0.054459375	2.90366257	0.863041817	YBL083C
YPL137C	260.284297	242.546821	257.113262	229.419131	245.249601	257.014384	-0.054694913	7.95836818	0.54683939	GIP3
YGL194C	44.2575372	46.8517115	41.6416959	40.2074766	42.4821308	45.1921801	-0.054717041	5.44500458	0.575564847	HOS2
YHR015W	2.63046283	4.48947604	3.51049181	3.78423309	2.80173562	3.67993466	-0.054771074	1.85820961	0.861344443	MIP6
YKL023C-A	6.24734923	7.42490268	6.65782929	6.50415062	5.27768802	7.81179113	-0.054798026	2.76264982	0.796834602	YKL023C-A
YPR186C	21.0437027	28.2031187	24.5129169	21.463697	23.7821744	25.8886632	-0.054897798	4.60203145	0.695169132	PZF1
YGR026W	249.10483	220.444785	244.100232	242.663947	229.937791	214.275494	-0.054908142	7.86754911	0.55921103	YGR026W
YKL013C	79.4399776	91.7464719	74.8703166	90.5295909	78.8395371	67.4654688	-0.054930528	6.33328443	0.62808988	ARC19
YDR113C	24.2660196	24.4618887	24.9971227	23.8879714	22.4790416	24.597458	-0.054962572	4.5994639	0.624476476	PSD1
YJL173C	22.2931725	29.6996107	21.4261052	21.0497966	23.3260779	26.4051452	-0.054963184	4.59500193	0.718106009	RFA3
YJR075W	182.619882	166.916417	161.724726	172.123477	160.48081	159.399275	-0.055030347	7.38657979	0.537494165	HOC1
YDR491C	30.3160842	23.0805114	28.7497174	25.3070588	25.0201506	28.6647542	-0.055196931	4.75284528	0.666803883	YDR491C
YGL016W	156.775585	146.023086	152.343239	141.849612	145.885722	150.296279	-0.055197508	7.21896671	0.506227792	KAP122
YLR163C	57.0810435	67.9177145	57.2573319	56.822625	60.465364	58.2333521	-0.055351684	5.90122161	0.567401426	MAS1
YDL220C	39.7857504	40.6355139	42.065376	35.5954425	42.06532147	41.5122454	-0.055429494	5.32887169	0.585531449	CDC13
YDR267C	39.0623731	37.8727594	38.6759356	43.9917097	35.2497435	31.8927671	-0.055487548	5.24535231	0.641758093	CIA1
YML100W	352.021689	309.083158	325.870481	336.087201	319.723644	293.749171	-0.055554659	8.33484039	0.559743568	TSL1
YGL023C	92.7238149	85.4151596	93.5122386	86.9191038	88.7433468	85.6714614	-0.05555975	6.47492835	0.50086971	PIB2
YHR011W	16.6376774	15.540494	16.2208932	17.5612067	14.7254012	14.2032566	-0.0557317	3.99517582	0.691440575	DIA4
YJL111W	244.041189	279.095761	241.073946	248.813326	248.57259	237.904548	-0.055783246	7.96609998	0.551737111	CC7
YHR019C	1049.81772	921.666408	1045.09762	1014.58837	962.950016	924.438324	-0.055824189	9.94624454	0.562491451	DED81
YJL208C	49.9787939	51.3987449	52.8389543	50.377603	46.6521559	51.3254045	-0.055899755	5.65990659	0.53447072	NUC1
YER111C	79.1111698	77.414683	76.8676654	76.2759482	73.3012225	74.8898984	-0.055954338	6.25618133	0.486862465	SW4
YLR016C	20.9779411	20.6631013	21.7892595	20.2219956	20.2637157	20.5301618	-0.055969396	4.38305035	0.63176939	PML1
YGL063W	32.0916466	28.7786926	30.7470662	32.1068526	28.5386093	27.3735491	-0.055977887	4.9100687	0.60877392	PUS2
YGR069C	63.1968696	66.3636651	70.028259	62.0259455	64.114136	65.9160227	-0.05608743	6.03125361	0.517187612	RRP4
YPL147W	14.2044993	16.28874	14.4051215	13.4813304	14.8557144	14.9134194	-0.056101874	3.88938942	0.699935167	PXA1
YGL106W	59.7772679	62.2195333	57.3178576	61.0207586	58.1848815	53.197652	-0.05639714	5.87660757	0.533078533	MLC1
YPL173W	29.5269453	32.8077095	30.2023347	30.7468938	30.4933086	27.7609106	-0.056634881	4.92561622	0.598761195	MRPL40
YBR032W	4.27450211	4.48947604	4.41837762	5.55809235	3.71392861	3.35713338	-0.056732198	2.15098438	0.805514234	YBR032W
YDL032W	1.18370828	1.09359032	1.39209158	0.94605827	0.91219299	1.67856669	-0.056780234	0.40284147	0.940165875	YDL032W
YGL175C	11.5082749	12.1446083	11.7419898	12.4761435	9.96896627	11.5562861	-0.056854589	3.54862815	0.70693266	SAE2
YGR010W	29.0668143	32.4048078	29.1128717	27.4356899	30.2978387	29.4394773	-0.056856016	4.89498313	0.603212594	NMA2
YDR313C	21.4382721	23.1956262	20.3366422	19.3941946	20.7198122	22.4024093	-0.056916366	4.41763599	0.650294134	PIB1
YML099W-A	7.82562693	8.1155913	7.5657151	7.80498075	7.03691736	7.74723087	-0.056967265	2.96555778	0.731732591	YML099W-A
YOR168W	469.340331	508.46194	492.376739	457.18266	470.300644	485.751376	-0.05707506	8.90898877	0.523427538	GLN4
YML107C	21.8986031	22.562495	23.6050311	19.5715805	23.7821744	22.1441682	-0.057096	4.48409229	0.648528744	PML39
YJL076W	371.881683	318.810356	371.022668	330.292594	344.808951	345.332816	-0.057129981	8.43935532	0.547349691	NET1
YPL254W	44.0602525	54.9673028	49.2679367	44.8195106	48.9326383	48.936675	-0.057212725	5.60388873	0.583737078	HFI1
YGR252W	51.4255484	61.1835004	52.6573771	58.7147415	48.2810719	51.8418866	-0.057243573	5.75935375	0.587311774	GCN5
YIL043C	506.890188	417.060813	480.211069	463.509425	432.965888	452.890205	-0.057287216	8.84246001	0.561058002	CBR1
YIL165C	3.68264797	4.83482035	4.11574901	4.31639087	3.90939854	3.93817569	-0.057303765	2.09364009	0.802663108	YIL165C
YNL032W	19.8599944	24.3467739	20.6997965	21.0497966	22.1532584	19.2389567	-0.057321971	4.4170525	0.663942716	SIW14
YJR131W	72.1404432	64.8671731	74.9308423	65.8101786	69.1311974	68.6921137	-0.057453324	6.11639865	0.517389266	MNS1
YHR211W	75.2312371	58.1905164	68.4545902	55.7583094	68.5279399	68.6275535	-0.057456848	6.04584497	0.615691889	FL05
YOR089C	36.3003871	40.6355139	41.4601187	41.626564	37.7256959	34.4106171	-0.057506732	5.27936036	0.592089515	VPS21
YPR126C	14.4675456	18.9939371	17.128779	15.3734469	16.1588473	17.1730284	-0.057533643	4.06063712	0.703574558	YPR126C
YJL161W	4.93211781	4.60459081	4.23680046	3.84336173	4.6261216	4.77745904	-0.05762569	2.20779969	0.785164428	FMP33
YBR224W	0.26304628	0.17267216	0.48420577	0.23651457	0.19546993	0.4519218	-0.057639679	-1.2399166	1	YBR224W
YGR040W	39.7857504	41.5564321	36.5575354	35.8319571	38.4424189	39.0589556	-0.05770309	5.27282325	0.56445243	KSS1
YHR012W	42.6134979	54.6219585	44.6074562	51.0871467	41.2441546	43.9655352	-0.057761984	5.53956988	0.625334694	VPS29
YJR152W	19.5311865	16.4614122	18.5813963	16.9107916	17.5922934	17.8831913	-0.057902095	4.16507476	0.656839703	DAL5
YGR167W	83.1883871	94.5092264	88.670181	96.4979438	87.4402139	71.9201266	-0.057933817	6.4460423	0.588653453	CLC1
YDR219C	26.4361515	33.6710703	30.141809	27.6722045	29.3856457	29.7622786	-0.057952132	4.88995081	0.627607915	MBF1
YDL158C	1.77556241	2.41741018	2.23945167	2.48340296	1.56375941	2.13048849	-0.05800693	1.16170521	0.874048171	YDL158C
YGR058W	22.6877419	25.555479	23.1813511	22.1732408	22.835717	24.2100965	-0.058113099	4.55330853	0.626324574	PEF1
YGR265W	27.4883366	31.3687749	25.4208027	25.0705442	25.5414038	30.4078812	-0.058160296	4.79062437	0.648671241	YGR265W
YDR415C	43.5999215	46.1034655	45.091662	40.3848625	44.3716734	44.8048185	-0.058193169	5.46541465	0.537944902	YDR415C
YLR085C	36.3661487	42.592465	40.1890786	35.8910857	38.3772623	40.2856005	-0.058342492	5.2884319	0.576291464	ARP6
YMR005W	61.3555456	67.9752719	62.0388638	61.3755304	63.9186661	58.5561533	-0.05838789	5.96969594	0.510891347	TAF4
YKR068C	27.2252903	37.7576447	26.2681628	26.9035321	31.0797184	29.7622786	-0.05847644	4.90555624	0.686510934	BET3
YEL004W	23.1480729	20.4328717	19.9734879	19.8672237	20.4591857	20.6592823	-0.058487078	4.38343486	0.629907668	YEA4
YPL059W	47.7429004	45.9883507	43.8811476	46.1794694	46.261216	39.639998	-0.058490569	5.49425503	0.550567497	GRX5
YLR259C	1079.60771	970.532628	1042.67659	1135.74296	963.210643	870.530509	-0.058640635	9.98087795	0.594049322	HSP60
YDR510W	71.9431585	76.3786501	59.0731035	85.6774023	63.0716297	50.2924404	-0.058676111	6.08527663	0.706961821	SMT3
YGL095C	53.0038261	56.9818113	52.1731713	54.8713798	51.6692173	49.1303558	-0.05880495	5.73085733	0.519430532	VPS45
YDL053C	43.1395905	42.5349076	41.0969644	38.0197168	40.9183713	42.8034506	-0.058883234	5.37632102	0.539274279	PBP4
YMR098C	43.4026368	47.4272854	41.7022216	45.3516684	41.5699378	40.2856005	-0.059005243	5.44055761	0.547203058	ATP25

YDR007W	50.4391249	50.4778268	51.6284398	49.1359015	46.9127824	50.3570007	-0.059184359	5.64248178	0.50121417	TRP1
YBR257W	9.99575877	11.799264	11.6209384	9.63796865	11.1417858	11.3626053	-0.059268567	3.46643601	0.724953474	POP4
YER087C-A	5.06364096	6.27375498	6.1130978	5.43983506	4.75643489	6.58514624	-0.05927988	2.54540143	0.788724064	YER087C-A
YPR004C	245.093375	217.221572	236.77662	216.765602	218.535378	235.515818	-0.059453383	7.83561536	0.516854671	AIM45
YML059C	347.089571	288.017155	352.199169	296.604829	324.740705	322.994967	-0.059542625	8.33336662	0.554772163	NTE1
YOR243C	125.341554	143.433004	131.219763	132.211644	132.137671	119.501036	-0.05966886	7.03100699	0.503141594	PUS7
YLR225C	40.2460814	45.585449	46.3021764	40.7396343	44.1110468	42.0287275	-0.059822883	5.43631899	0.542984968	YLR225C
YPR055W	75.0339524	84.8971431	72.3282363	71.1317563	79.4259469	72.3720484	-0.059892247	6.24782045	0.519990989	SEC8
YOL023W	34.5248247	34.0164146	32.5628378	31.870338	31.9267547	33.1839722	-0.059998678	5.05037075	0.546939847	IFM1
YDR326C	262.322906	232.359164	262.621103	222.50108	253.719965	250.235557	-0.060006007	7.95070541	0.533211653	YSP2
YCR091W	18.2159551	20.317757	19.1866535	19.5124519	17.5922934	18.2705528	-0.060029138	4.24689474	0.63765122	KIN82
YEL029C	38.5362805	34.7071032	38.373307	36.3641148	35.4452134	35.1853402	-0.060033452	5.19203439	0.537593828	BUD16
YDR186C	156.709823	155.17471	159.061594	142.38177	150.055747	159.334715	-0.06013181	7.2659061	0.477508383	YDR186C
YDR354W	106.599506	86.7389794	100.412171	99.3952472	91.4799257	90.7071615	-0.060149013	6.58504009	0.523803822	TRP4
YML051W	138.362345	100.898096	123.290893	109.033216	116.82586	121.760645	-0.060245018	6.88821026	0.579732823	GAL80
YDR146C	74.2448135	82.0768312	74.567688	73.2603875	73.3012225	74.9544587	-0.060308753	6.23904522	0.476301284	SWI5
YGR099W	48.9266087	57.6724999	48.4205766	51.6784331	50.4963978	46.5479455	-0.060337275	5.66576555	0.549549516	TEL2
YBR105C	73.7844825	77.3571256	85.2807406	69.4761544	70.4343303	86.8981063	-0.060440993	6.27293684	0.561188892	VID24
YIL083C	58.0017055	59.1689919	59.617835	53.2749065	54.1451697	62.1715277	-0.060487136	5.85430481	0.513650511	CAB2
YPL008W	61.8816382	65.2700748	62.8256982	64.8641203	60.3350507	56.9421469	-0.060513985	5.95783471	0.490528424	CHL1
YDR126W	21.76708	19.281724	21.244528	18.7437795	18.8954263	22.079608	-0.060521319	4.35398218	0.635808195	SWF1
YHR156C	8.02291165	8.86383731	8.83675524	7.21369433	8.66583342	8.84475525	-0.060563121	3.09258744	0.726787006	LIN1
YDR530C	27.1595288	27.3973153	22.9997739	27.7904617	23.3912346	23.1125721	-0.060633857	4.66923859	0.628897436	APA2
YHR076W	48.0717083	55.6579914	49.207411	52.861006	46.9779391	46.8061865	-0.06072245	5.64602249	0.539470737	PTC7
YDR051C	30.7106536	32.1745783	28.4470888	30.2738647	29.9720554	27.3089888	-0.060791362	4.90426303	0.573707322	DET1
YOL065C	22.8192651	28.1455613	21.7287338	24.9522869	23.5215479	21.2403246	-0.060969386	4.57767528	0.650184007	INP54
YDL197C	31.2367462	27.8577744	32.8049407	28.1452336	31.0797184	28.858435	-0.060972064	4.91227422	0.581383655	ASF2
YPL118W	76.4149453	87.429668	79.8939514	78.5819652	78.7092239	76.4393446	-0.061045554	6.3167865	0.478018257	MRP51
YNL291C	113.241425	86.1634056	105.920011	98.3309317	96.9530837	97.2277474	-0.061137184	6.64017903	0.544408153	MID1
YKL169C	4.53754839	7.30978791	4.53942906	5.43983506	4.75643489	5.55218212	-0.061183246	2.45927267	0.805463401	YKL169C
YDR261C	208.529941	183.608059	202.276959	190.571613	193.775854	185.287938	-0.061221538	7.6008373	0.497635821	EXG2
YIR023W	100.089111	109.474147	104.709497	94.0145408	100.392796	106.266183	-0.06157725	6.68253999	0.475962528	DAL81
YDL133W	42.8107826	54.103942	40.975913	41.3309208	44.6974566	46.2251442	-0.061610291	5.49697354	0.596822535	SRF1
YDR102C	0.65761571	0.51801647	0.54473149	0.23651457	0.65156642	0.77472309	-0.061662841	-0.5522425	1	YDR102C
YOR038C	65.7615709	80.2925523	75.5966253	69.3578971	70.5646436	72.5657292	-0.061903875	6.17983999	0.50903637	HIR2
YOL095C	27.8171445	29.4693812	25.4813285	23.6514568	28.408296	27.3089888	-0.061907259	4.76241348	0.608462805	HMI1
YML053C	13.6126452	18.3608059	14.1024929	12.5944007	15.1814976	16.4628656	-0.061908946	3.92443498	0.727591288	YML053C
YGL079W	19.005094	25.0374625	21.0629508	20.9315393	21.7623185	19.7554387	-0.06205076	4.41968262	0.649306747	KXD1
YER018C	30.7106536	27.2246432	29.8997061	30.392122	25.7368737	27.8900311	-0.062234213	4.84641552	0.578214615	SPC25
YNL265C	21.6355568	30.4478567	24.5734426	26.8444035	22.4138849	24.2100965	-0.062325137	4.65408944	0.662796953	IST1
YNL180C	49.189655	52.3772205	54.5336744	50.4958603	47.6946621	51.3254045	-0.062489804	5.6743861	0.492315931	RH05
YPL124W	7.49681908	8.46093562	9.13938384	7.0363084	8.014267	9.03843602	-0.062575269	3.0569092	0.733030708	SPC29
YDR484W	25.1209201	32.8652669	27.8418316	25.2479301	27.8870429	29.1812363	-0.062597524	4.81561214	0.626694926	VPS52
YDR277C	29.263899	30.9658732	28.9918203	24.8931583	26.9096933	33.7004543	-0.062688288	4.86984031	0.624090076	MTH1
YMR188C	16.5061543	19.7997405	17.1893047	18.2116217	18.6999563	14.3323771	-0.062713108	4.13725886	0.672888735	MRPS17
YDL210W	8.87781207	7.59757484	8.04992087	7.45020889	6.90660408	9.10299627	-0.062742268	3.0203207	0.72954318	UGA4
YJL005W	242.068342	220.32967	245.129169	210.793609	238.408154	228.220509	-0.062753431	7.8513501	0.501020664	CYR1
YDR065W	13.6784067	18.2456911	14.949853	14.7230319	15.9633774	14.2678169	-0.062781015	3.9490374	0.69540684	RRG1
YJR011C	8.08867322	8.9213947	7.08150933	8.45539581	7.75364043	6.84338727	-0.06282064	2.99842241	0.724083488	YJR011C
YOR076C	39.9830351	41.095973	35.0443923	34.2354837	38.9636721	38.0259915	-0.062920088	5.24830144	0.555347014	SKI7
YDR034C	64.512101	68.4932883	57.6204862	60.2520862	62.6806899	59.5891175	-0.062957454	5.96159743	0.493236214	LYS14
YGR203W	15.2566844	8.57605039	14.1024929	12.890044	10.8811593	12.4601297	-0.063060104	3.63978223	0.757203564	YCH1
YNR062C	9.60118935	9.72719809	9.86569249	9.51971136	9.12192992	9.29667705	-0.063158854	3.27045945	0.67183657	YNR062C
YDL106C	32.6177391	36.8367265	31.5339005	33.8215832	32.7737911	30.0850799	-0.063182315	5.04800191	0.563556123	PHO2
YMR279C	42.7450211	40.1750548	46.0600735	39.4388042	43.4594804	40.5438416	-0.06346656	5.39878458	0.521664383	YMR279C
YLR240W	58.0674671	60.4352544	59.3152064	59.4242852	55.7740858	54.9407789	-0.063497285	5.86113195	0.459143227	VPS34
YLR300W	1552.82797	1176.07005	1415.2124	1367.882	1298.96282	1298.56501	-0.063539967	10.4005521	0.562742915	EXG1
YDR470C	46.888	47.0243837	46.8469079	47.6576855	43.8504202	43.1262519	-0.063552268	5.52453988	0.483499194	UGO1
YJL191W	179.529088	151.893939	169.59307	154.089241	155.333435	169.922597	-0.063569922	7.35316927	0.496663984	RPS14B
YGL111W	88.9754054	92.8976196	85.5228435	86.9191038	84.2475384	84.7030575	-0.063585563	6.44859917	0.436853048	NSA1
YNR070W	29.3954222	29.1240369	29.9602318	26.0757311	30.4933086	28.1482722	-0.063588381	4.85718585	0.561400461	PRD18
YER114C	164.535425	158.225252	168.806235	143.978243	164.911462	161.529764	-0.06362822	7.32593719	0.476857489	BOI2
YGR247W	14.3360224	16.5765269	15.0709045	13.7178449	14.4647746	15.8818233	-0.063640297	3.9199948	0.655296636	CPD1
YDR439W	10.6533745	12.8928543	12.0446184	9.81535457	12.2494487	12.0727681	-0.063703541	3.55422845	0.710601725	LR54
YFL034W	105.876129	97.73244	109.854183	100.045662	99.624506	100.197519	-0.063711222	6.67726389	0.443372079	YFL034W
YKL007W	67.4713717	91.0557833	72.8729678	70.9543704	75.3862351	75.2126997	-0.06380269	6.24102589	0.55813384	CAP1
YDR531W	63.7887237	84.6093562	70.8756191	64.8641203	70.8252701	74.2442959	-0.064035593	6.16339941	0.556009341	CAB1
YER026C	168.612668	134.338937	168.32203	144.451272	148.557144	157.720708	-0.064046854	7.26465383	0.524443699	CH01
YCR087W	19.1366171	23.5409705	24.3918655	21.0497966	20.3288724	22.8543311	-0.064074165	4.46092199	0.630934445	YCR087W
YLR201C	71.2197812	58.4783033	63.5520068	57.2956541	61.6381836	65.8514624	-0.064144073	5.97977537	0.514272014	COQ9
YGL143C	28.1459523	26.6490693	28.1444602	26.3713743	28.4734527	24.4683375	-0.064194921	4.7635983	0.565532668	MRF1
YPR047W	22.7535035	22.5049376	23.0602996	22.8236558	21.3713787	21.1112041	-0.064299374	4.48543742	0.572694952	MSF1
YHL006W-A	13.1523142	8.9213947	11.5604127	7.15456568	10.9463159	14.0741361	-0.064358826	3.46630263	0.78902444	YHL006W-A

YOL088C	45.3754839	49.7871381	48.8442567	51.9740763	43.9155769	41.7704864	-0.064517802	5.5573773	0.534232587	MPD2
YMR252C	13.020791	13.1806412	11.8025156	11.7074711	11.7281956	12.9120515	-0.064640948	3.64558281	0.659723091	YMR252C
YOL143C	68.9838878	73.0978791	67.1230244	71.3682709	64.3096059	64.3020162	-0.06477842	6.09454923	0.46197762	RIB4
YLR211C	5.32668724	7.07955837	5.26573771	6.14937877	4.56096496	6.1977847	-0.064965967	2.56160681	0.781584239	ATG38
YPR104C	111.531624	97.1568661	103.620034	94.9605991	104.120314	99.4227962	-0.064975176	6.67117163	0.45525794	FHL1
YDR411C	89.3042132	67.2270258	83.8281233	68.7666107	77.2106211	83.7346537	-0.065029679	6.29351052	0.562260726	DFM1
YBR175W	41.8243591	39.7721531	43.2758904	41.3900494	39.8758651	38.0259915	-0.065239297	5.35123628	0.491128025	SWD3
YNL149C	22.2931725	23.9438722	25.4813285	23.3558136	23.1957646	22.0150477	-0.065328416	4.55544354	0.576460857	PGA2
YOR359W	134.942743	137.504593	162.148406	103.829895	146.993385	164.628656	-0.065386203	7.14748646	0.640496383	VTS1
YLR131C	65.9588556	66.651452	67.3046015	57.8869405	62.2245934	71.016283	-0.065477843	6.02883313	0.490042733	ACE2
YKL222C	31.4340309	35.0524476	34.0759808	33.2302968	28.9947058	33.8941351	-0.065515881	5.0408219	0.548052441	YKL222C
YAR035W	21.2409874	15.7131661	22.6366196	18.7437795	19.5469927	18.5933541	-0.065634047	4.28700545	0.66118125	YAT1
YDR163W	8.08867322	9.89987024	9.19990956	7.56846618	9.05677327	9.42579756	-0.065771686	3.16992824	0.718484632	CWC15
YLR073C	42.0874054	36.4913822	43.3969418	27.3174326	41.5699378	47.7100301	-0.065831105	5.31653369	0.688381476	RFU1
YDR270W	63.0653465	70.5653542	74.3255851	67.5840378	63.8535094	67.2717881	-0.066069357	6.08568413	0.469127539	CCC2
YER003C	461.580466	406.182467	426.58528	422.947176	413.158269	400.144475	-0.066127553	8.72070243	0.470938444	PMH0
YHL033C	792.624214	929.436655	803.055264	896.804113	767.023993	748.124261	-0.066142785	9.68474403	0.534605262	RPL8A
YAL030W	24.4633044	26.1886102	16.5840475	27.1400467	16.6801004	20.336481	-0.066281225	4.46265092	0.731991848	SNC1
YML110C	168.612668	183.090042	171.529893	188.856883	157.157821	153.653412	-0.066294544	7.41473839	0.504061019	COQ5
YMR131C	218.788746	258.375102	240.771317	229.123488	220.750704	235.900318	-0.066317033	7.87093958	0.481692793	RRB1
YJL030W	11.7713212	15.1375923	12.4682985	11.2935706	11.1417858	15.2362207	-0.066429519	3.69755727	0.715453449	MAD2
YPL064C	24.7263506	24.3467739	26.8128943	24.5975151	23.3260779	24.5328978	-0.066430031	4.63525704	0.552888185	CWC27
YGL187C	69.115411	60.6654839	71.2387734	62.9128751	64.5702325	64.4311367	-0.066434309	6.0357267	0.461115712	COX4
YDR428C	26.8964825	32.2321357	30.7470662	27.4356899	29.4508023	29.0521158	-0.066482375	4.87956206	0.557579952	BN47
YPL199C	54.5163422	57.0393687	52.233697	55.8765667	51.9950005	48.4847532	-0.066608604	5.74128851	0.472092956	YPL199C
YJL145W	50.7679327	63.658468	52.5363256	57.5321687	52.9071935	49.0012353	-0.066934659	5.76954563	0.536952348	SFH5
YMR231W	83.3856719	88.0052419	79.5913228	78.4637079	83.3353455	77.8596703	-0.066941247	6.3558039	0.427358232	PEP5
YOR161C	110.742485	93.2429639	102.712148	97.9170312	94.6726012	100.068399	-0.066978159	6.64393605	0.448497138	PNS1
YNL239W	182.685644	156.210743	178.853505	160.711649	169.472427	163.918493	-0.067242043	7.39877116	0.463818674	LAP3
YML106W	397.725981	332.854358	371.809503	347.91293	346.242397	357.857506	-0.067344529	8.48855356	0.477833773	URA5
YLR185W	227.863843	249.683937	196.405964	236.100668	213.518317	193.551651	-0.067366248	7.77915018	0.539844214	RPL37A
YGR130C	158.419624	144.296365	164.751012	167.511443	142.953673	135.51198	-0.067429246	7.25147805	0.494821116	YGR130C
YDR501W	19.9915175	20.2026422	21.8497852	20.1037383	18.0483899	21.0466439	-0.067574656	4.34600957	0.586107384	PLM2
YGL139W	190.642794	159.894416	186.116591	154.503142	170.514933	187.031065	-0.067663113	7.45027313	0.509506729	FLC3
YMR127C	20.2545638	26.3612824	19.1261278	21.3454398	20.9152822	20.5301618	-0.067668919	4.43064356	0.634446189	SAS2
YGL077C	353.073874	270.51971	329.804653	288.311258	302.391977	318.863111	-0.067762573	8.27888359	0.528398302	HNM1
YDR346C	221.156163	252.676921	237.260826	249.108969	220.685547	208.658751	-0.067775119	7.8563642	0.492749865	SVF1
YPL021W	0.32880785	0.23022954	0.3026286	0.35477185	0.32578321	0.12912051	-0.067859683	-1.3123394	1	ECM23
YBL048W	2.56470126	1.72672155	1.99734879	2.06950247	2.21532584	1.67856669	-0.06795344	1.11080741	0.826499842	RRT1
YPL036W	47.5456157	38.3332185	45.8784964	41.3900494	44.0458902	40.15648	-0.068119113	5.42630587	0.515675829	PMA2
YLR293C	874.168562	852.309759	796.760589	826.263643	798.494651	781.953836	-0.068180264	9.6826163	0.455572481	GSP1
YGR254W	1725.38633	1172.90439	1520.89031	1519.84261	1341.90105	1352.86019	-0.068326739	10.4909186	0.594618913	ENO1
YNL117W	9.27238149	6.84932883	7.14203505	6.09025013	7.29754393	8.78019499	-0.06868364	2.93981118	0.733657715	MLS1
YOR242C	4.01145582	4.43191866	5.14468627	5.02593457	4.69127824	3.22801286	-0.068698551	2.18817028	0.781703263	SSP2
YGL086W	56.4891894	57.9602868	56.8941775	58.1825837	52.9723502	52.1646879	-0.068719906	5.80509306	0.435078866	MAD1
YNL175C	71.3513044	81.3285852	75.2334709	77.8132929	74.1482589	65.3349804	-0.068933795	6.2161713	0.465925096	NOP13
YML124C	203.597823	225.222048	202.034856	219.071619	196.251806	186.062661	-0.068957518	7.68312007	0.474039719	TUB3
YJR095W	0.98642356	1.09359032	1.1499887	0.82780099	1.10766292	1.16208463	-0.069037301	0.23541777	0.932621117	SFC1
YJR058C	28.4089986	29.1240369	26.1471114	27.7313331	25.2807772	26.279465	-0.069078036	4.77438772	0.529523046	AFS2
YLR251W	18.8735708	17.9579042	15.3130074	16.9699203	17.0710403	15.6235823	-0.069274448	4.09511853	0.619991115	SYM1
YGL038C	210.042457	191.205633	190.050763	178.213727	183.155321	202.138165	-0.069389332	7.58931241	0.456219009	OCH1
YNR040W	15.8485386	15.7131661	12.4077728	15.0778037	13.1616417	13.6222143	-0.069420622	3.85142327	0.645850168	YNR040W
YDR204W	42.8107826	44.5494161	39.0390899	44.7012534	37.1392861	38.5424736	-0.069477799	5.36700425	0.510759267	COQ4
YDR279W	24.0687349	33.0379391	27.0549972	27.3765613	25.867187	27.0507478	-0.069493466	4.78444398	0.595622873	RNH202
YNR013C	308.619052	243.352624	311.162731	242.013532	287.731732	292.716206	-0.069610688	8.13456983	0.545829563	PHO91
YER040W	37.549857	47.7726297	39.7653986	36.009343	41.4396245	41.899607	-0.069636432	5.35308925	0.549781639	GLN3
YMR013C	60.8952146	53.2981386	63.6125326	54.5757366	57.012062	57.7814303	-0.069796094	5.85740414	0.45685673	SEC59
YDL120W	30.3160842	33.6710703	26.5102657	29.7417069	28.5386093	27.9545914	-0.069796501	4.88703665	0.549658759	YFH1
YPR052C	110.545201	84.0337823	88.9728096	88.2199339	89.785853	91.9983666	-0.069886852	6.52918579	0.497227584	NHP6A
YJL071W	26.8964825	28.83625	26.5707914	27.7904617	27.3006331	23.3062529	-0.069987039	4.75053744	0.546372159	ARG2
YPL069C	29.0008528	37.2971856	32.5628378	28.5000054	31.9919114	33.8295748	-0.070010022	5.01489491	0.570165841	BTS1
YGL107C	73.7187209	82.191946	70.0887847	76.7022951	76.6242113	71.0808432	-0.070033897	6.20349429	0.451348707	RMD9
YGL128C	13.0865526	18.6485928	15.5551102	12.4761435	14.5950879	18.076872	-0.070088089	3.95791518	0.709577078	CWC23
YOL134C	2.95927069	3.97145957	3.87364613	3.01556074	3.19267547	4.13185646	-0.070132008	1.86901428	0.822203991	YOL134C
YCL001W-A	0.72337728	0.86336078	0.84736009	0.76867235	0.71672306	0.83928334	-0.070151605	-0.1222842	0.919584304	YCL001W-A
YCR004C	155.7234	162.081597	143.930164	158.93779	155.072809	125.763381	-0.070153674	7.23254665	0.490410774	YCP4
YJL029C	83.4514334	91.2860128	84.4939062	82.3661983	80.7290798	83.8637742	-0.070344074	6.40085275	0.395316047	VPS53
YDR083W	56.0946199	71.428715	65.3677785	68.5300961	60.402074	54.8116584	-0.070364573	5.97566366	0.526375106	RRP8
YNR012W	64.8409089	70.7955837	64.5204184	62.6763605	63.9838227	64.0437752	-0.070365911	6.02844843	0.411830298	URK1
YJR076C	127.972017	139.058643	125.772448	130.733427	124.253717	119.113675	-0.070393322	6.99949201	0.411461476	CDC11
YOR106W	16.6376774	18.1305763	18.3392934	15.4917042	17.5922934	17.56039	-0.070486205	4.122396	0.601209736	VAM3
YFR050C	146.51678	159.836859	140.540724	140.548782	140.998974	144.098494	-0.070492352	7.18542103	0.411610255	PRE4
YOR158W	44.7178682	48.6935478	45.6969192	48.2489719	43.1336972	41.0603236	-0.070508069	5.50461808	0.468678031	PET123

YDL182W	113.109902	112.985147	110.096286	99.5135045	110.179882	110.52716	-0.070539737	6.77505494	0.399973117	LYS20
YKL186C	19.925756	24.0014296	23.1813511	20.1628669	20.8501255	22.9834516	-0.070592391	4.45843225	0.582396575	MTR2
YIL133C	1359.68624	1277.25593	1300.75827	1393.66209	1214.78044	1141.03799	-0.070615159	10.3234268	0.484082974	RPL16A
YMR100W	67.1425639	67.3421406	68.3335388	64.9823776	67.762908	60.3638405	-0.070765611	6.04690446	0.409789632	MUB1
YGR150C	56.8837588	66.651452	64.823047	56.822625	62.5503766	60.1055995	-0.070893461	5.94110034	0.449665077	CCM1
YGL208W	29.0008528	28.0304466	27.4181515	24.7157724	27.3006331	28.4065132	-0.071036206	4.78632651	0.521343961	SIP2
YLR183C	83.2541487	80.8105687	75.657151	75.9211763	77.0151512	75.2126997	-0.071171657	6.28726548	0.388592866	TOS4
YLL014W	57.6728976	47.7150723	52.8389543	44.2873529	52.9071935	53.3913328	-0.071318559	5.68841747	0.505395066	EMC6
YBR068C	644.726441	508.059039	610.825574	524.884955	560.477437	592.921403	-0.071489218	9.16427649	0.502845842	BAP2
YML108W	3.87993268	3.39588572	3.08681176	3.78423309	2.9320489	3.09889235	-0.071590442	1.8027744	0.747383329	YML108W
YLR446W	25.9100589	24.1165444	24.4523912	22.1141121	22.8699814	25.8886632	-0.071641102	4.60531478	0.542401434	YLR446W
YLR245C	7.29953437	8.86383731	10.1077954	8.8692963	7.94911036	8.19915267	-0.071792406	3.11891685	0.684585263	CDD1
YBR042C	96.3407013	95.4301446	100.654274	92.5954534	93.5649383	92.0629269	-0.071830818	6.57340605	0.372170003	CS26
YLR065C	48.9923703	57.6724999	50.9626569	49.6089306	49.1281083	51.3254045	-0.071924388	5.68423768	0.451831016	ENV10
YBL086C	21.9643647	23.5985279	23.9076597	21.7593403	23.2609213	21.1112041	-0.071997523	4.50651401	0.538714115	YBL086C
YOR378W	25.3839664	21.0084456	21.7892595	19.6898378	22.5441982	22.59609	-0.072121136	4.47725447	0.570917822	AMF1
YIL078W	1246.18177	1276.27746	1237.32731	1292.96601	1153.27257	1130.06274	-0.072157045	10.2559953	0.445804947	THS1
YHR110W	62.3419692	70.1048951	61.4336066	66.8153655	58.7061347	58.8789546	-0.072217972	5.98163855	0.444184424	ERP5
YJR137C	172.821408	150.455005	156.216885	154.266627	155.463748	146.228983	-0.07224106	7.28562551	0.412888406	MET5
YOL013C	78.8481235	71.7165019	72.9334936	69.535283	72.2587163	70.6934817	-0.07248935	6.1854775	0.3861683	HRD1
YIL006W	31.1709846	23.3682984	27.2971001	21.8775975	27.1703198	28.7293145	-0.073045597	4.73848311	0.603139971	YIA6
YCR016W	28.0801908	36.7791691	35.1654438	34.2354837	31.2100316	29.6977183	-0.073082847	5.03038047	0.553570042	YCR016W
YKR059W	1898.7996	1623.98162	1866.49218	1596.29595	1693.29082	1833.38219	-0.073102509	10.7749079	0.471537858	TIF1
YNL327W	999.773162	888.513354	1035.95824	766.188943	959.496714	1053.88164	-0.073232389	9.8928972	0.541849134	EGT2
YPL253C	27.9486676	29.1815943	26.7523686	28.0269763	23.7170178	27.9545914	-0.073345293	4.77597508	0.523229653	VIK1
YBR177C	181.173128	155.462497	171.469367	160.711649	163.152232	168.947353	-0.073371042	7.36864827	0.411898556	EHT1
YML104C	144.149363	127.89251	136.90918	129.609983	128.554055	130.41172	-0.073385085	7.05569246	0.382704189	MDM1
YGR169C	22.5562188	23.310741	21.5471566	23.3558136	19.2212095	21.4340054	-0.073677906	4.46206775	0.547201252	PUS6
YOL046C	5.1951641	5.18016466	5.8104692	5.38070642	4.69127824	5.2939411	-0.073878953	2.4294366	0.709319144	YOL046C
YOL003C	66.0246172	53.8161551	66.2756643	50.7915035	58.0545683	67.9819509	-0.07388615	5.9209956	0.531962154	PFA4
YFL021C-A	9.40390463	5.98596805	7.62624082	7.33195161	7.42785722	7.03706804	-0.073969123	2.92127059	0.707501187	YFL021C-A
YKL220C	16.17295316	16.1736252	17.128779	15.2551896	16.028534	16.2111066	-0.074044506	4.04801826	0.577702633	FRE2
YDR082W	19.7284713	22.7927245	19.5498078	20.4585101	19.9379325	18.5933541	-0.074127543	4.34442468	0.55703229	STN1
YDL096C	32.8807854	25.6705938	30.3233861	27.7313331	26.4535968	30.1496401	-0.074151707	4.85684134	0.537048806	OPI6
YNL026W	76.4807069	82.3070608	78.5018599	78.2271934	76.1681148	71.016283	-0.074161943	6.27151919	0.379957204	SAM50
YLR239C	23.4768808	25.4403642	23.3024025	22.6462699	22.6093549	23.3708131	-0.074388669	4.56098443	0.514379889	LIP2
YBL067C	105.810368	109.646819	101.441108	96.6753297	97.7349634	106.588985	-0.074521184	6.68801176	0.377547197	UBP13
YOR250C	32.5519776	37.0093986	33.6523008	33.4668114	32.1222246	32.4738094	-0.074523577	5.07396608	0.470365178	CLP1
YGL201C	122.579568	114.078737	117.904104	118.84857	109.463159	108.267551	-0.074559455	6.84946354	0.371943187	MCM6
YBR188C	6.7734418	7.02200099	5.8104692	5.79460692	6.05956773	6.77882701	-0.074694243	2.69944042	0.6895988	NTC20
YJR007W	232.795961	244.215985	228.303019	221.555022	221.271957	226.864744	-0.074845173	7.84107403	0.389213912	SUI2
YPR095C	119.028443	114.539196	124.561933	111.04359	114.545377	114.400077	-0.074998563	6.86388008	0.357903116	SYT1
YCL046W	25.0551585	23.5409705	26.3286885	12.1213716	26.2581268	32.7966107	-0.075198285	4.61062477	0.766976913	YCL046W
YLR169W	4.99787939	6.38886975	5.87099492	6.26763605	4.95190481	5.16482058	-0.075218168	2.52317431	0.696832042	YLR169W
YKL024C	78.453554	96.0057184	81.286043	82.9574847	79.8168868	80.054719	-0.07533993	6.37921374	0.422986099	URA6
YAL055W	7.29953437	10.4754441	8.65517807	10.1701264	7.88848379	7.23074881	-0.075408106	3.12787018	0.709627665	PEX22
YER157W	70.7594503	79.4291915	71.541402	71.7230428	71.4768366	67.2717881	-0.075571851	6.17334197	0.385375859	COG3
YOR021C	54.9109117	72.925207	57.438909	65.3371494	62.4200633	48.0973917	-0.075601874	5.91520187	0.562420892	SFM1
YBL091C-A	16.1773464	15.504494	16.7050989	16.2012479	16.028534	13.6867745	-0.075646986	3.98651965	0.571552344	SCS22
YDL051W	106.994076	135.087183	113.546252	114.118279	113.046774	110.39804	-0.075722496	6.85397587	0.433611246	LHP1
YBR090C	5.26092567	7.30978791	6.4157264	4.02074766	6.51566423	7.5535501	-0.075727635	2.65545541	0.778180329	YBR090C
YML099C	81.2813016	77.9326995	79.4097457	75.2707613	74.3437288	76.7621459	-0.07578244	6.27841141	0.345971974	ARG81
YOR347C	39.3254194	32.1170209	37.8285755	34.5902556	32.7086344	36.2828646	-0.075841726	5.15334717	0.484250322	PYK2
YLR102C	10.7848976	10.4754441	9.62358961	10.6431556	10.0341229	8.58651422	-0.07585584	3.3438782	0.636361617	APC9
YJL035C	16.243108	17.8427894	16.5235218	17.3246921	15.9882207	14.7842989	-0.075877749	4.05081127	0.572435056	TAD2
YOR178C	34.0644937	33.7861851	32.3812606	31.3381803	32.2525379	31.5054055	-0.075882927	5.03026749	0.44365119	GAC1
YPR107C	12.6262216	15.5980514	11.0156812	12.4761435	13.7480515	11.039804	-0.075952971	3.6877401	0.666130898	YTH1
YJL085W	29.7899916	36.3762674	36.0733296	28.3226195	34.6633337	34.1523761	-0.076022434	5.05999288	0.537766573	EXO70
YPL172C	61.0924993	54.5068437	56.5915489	52.68362	51.9950005	58.6207136	-0.076025036	5.80811414	0.411752077	COX10
YGR106C	536.548657	427.133355	509.566043	489.703413	456.552592	451.147078	-0.076100422	8.90254297	0.460732206	VOA1
YDR372C	123.631753	136.295888	127.951374	127.836124	122.559644	117.564228	-0.076161402	6.97856255	0.367854697	VPS74
YPR149W	517.148993	381.432791	465.987524	480.479345	433.487141	380.259915	-0.076173042	8.79196411	0.533111766	NCE102
YER177W	1108.27975	1179.81128	1131.70993	1069.99191	1073.97693	1099.71942	-0.076298761	10.1172694	0.3959374	BMH1
YIL089W	5.06364096	7.42490268	6.1130978	5.32157778	6.71113415	5.68130264	-0.076406761	2.62917627	0.729082531	YIL089W
YOR228C	25.0551585	16.9794286	19.4892821	20.1628669	19.2212095	18.8515951	-0.07643641	4.32647363	0.610157475	MCP1
YPL033C	1.05218513	1.09359032	0.96841153	0.94605827	0.78187971	1.22664489	-0.076450834	0.18358614	0.931352868	SRL4
YDR381C-A	4.99787939	6.2161976	3.81312041	5.67634963	4.49580832	4.06729621	-0.076538191	2.32701479	0.767531071	YDR381C-A
YLL063C	18.7420477	14.2166741	14.949853	16.9107916	14.2693047	14.1386963	-0.07664359	3.96857913	0.616069757	AYT1
YJL002C	624.537639	511.915383	600.596727	502.593457	550.378157	593.954367	-0.076834254	9.13979944	0.466511585	OST1
YPL142C	157.235916	179.636599	156.398463	149.063307	160.545967	158.10807	-0.077122687	7.32460058	0.397213161	YPL142C
YML031C-A	8.22019636	5.98596805	7.38413794	5.79460692	7.16723065	7.48898984	-0.077182438	2.83009674	0.685651965	YML031C-A
YER086W	519.910979	409.923697	491.105699	452.984526	451.796157	441.979521	-0.077223386	8.8498476	0.451920461	ILV1
YOR081C	128.563871	110.855524	130.97766	101.583007	125.75232	123.762013	-0.077339992	6.91109616	0.454867842	TGL5

YLL011W	86.8710351	88.8110453	86.7333579	81.1244968	84.508165	83.0890511	-0.077574698	6.41473105	0.332759049	SOF1
YNL216W	188.538424	185.737682	186.298169	182.530118	177.030597	171.536604	-0.077806439	7.50837977	0.361809548	RAP1
YDR468C	16.3088696	18.9939371	16.7050989	16.4377625	16.8104137	16.0755041	-0.077829791	4.08941696	0.557441097	TLG1
YAR050W	31.6970772	26.4188398	30.0207575	26.9626608	27.1703198	29.3103568	-0.077915429	4.84339304	0.490071911	FLO1
YLR289W	17.3610547	16.9218712	17.9156134	15.6099615	17.9180766	15.9463835	-0.077957221	4.09301082	0.554934441	GUF1
YBR078W	2547.53749	2057.67652	2488.75711	1914.28979	2297.22774	2509.19896	-0.077979319	11.1690108	0.517045435	ECM33
YBR194W	2.49893969	3.45344311	3.26838892	3.60684716	2.86689226	2.259609	-0.078081214	1.6472505	0.777928667	AIM4
YGR019W	74.1790519	75.4001745	70.0887847	71.1317563	65.4824255	71.4036445	-0.078404533	6.15807575	0.356168896	UGA1
YKL115C	1.05218513	1.84183632	1.4526173	1.35995877	1.43344613	1.3557654	-0.078422315	0.62972964	0.890111136	YKL115C
YIR032C	3.28807854	3.22321357	4.23680046	3.31120395	3.19267547	3.67993466	-0.078477799	1.85338991	0.752666778	DAL3
YLR144C	86.2134194	80.2925523	88.004398	70.7769845	86.6583342	83.6700934	-0.078482497	6.37001171	0.409677072	ACF2
YBR049C	120.804006	126.453575	115.240972	116.365167	112.981618	113.948854	-0.078548482	6.87975101	0.338462814	REB1
YPR099C	14.7305919	12.3748378	15.0709045	13.3630731	14.9860277	11.5562861	-0.078681516	3.78628223	0.611081042	YPR099C
YOR063W	5421.25238	5404.23556	5472.61462	5189.48439	5205.8854	5037.12039	-0.078732922	12.3686588	0.377623477	RPL3
YBR074W	270.214295	217.682031	268.249995	222.441951	240.81895	252.624287	-0.078840814	7.9392344	0.451904405	PF11
YAR042W	153.882076	129.561674	140.117044	133.039445	135.460659	132.413088	-0.078863404	7.1035358	0.373501673	SWH1
YER068W	70.6936887	77.2420109	66.9414472	64.6867344	68.0886912	70.758042	-0.078910606	6.1264517	0.38043587	MOT2
YLR420W	83.3856719	115.402557	88.4280781	87.214747	94.4119746	90.4489204	-0.078962939	6.54478167	0.488215431	URA
YNL188W	19.005094	18.9363797	20.7603222	18.2116217	20.9152822	16.4628656	-0.078992096	4.26099477	0.564653942	KAR1
YPL227C	52.0174026	63.8311401	50.0547711	50.4958603	51.3734744	55.19902	-0.079072233	5.7544327	0.459401214	ALG5
YGR163W	50.3733633	56.8091391	52.6573771	57.47304	48.2810719	45.5149814	-0.079108106	5.70046677	0.452939506	GTR2
YLR243W	30.184561	45.873236	34.8022895	39.6753188	34.0769239	31.2471645	-0.079111104	5.17572962	0.59170533	GPN3
YOR342C	74.9681908	94.6818986	81.1044659	71.3682709	84.7687916	81.4104844	-0.079208125	6.34904387	0.44891857	YOR342C
YBR259W	23.6084039	31.6565618	30.7470662	23.7697141	28.6689226	29.116676	-0.079291384	4.81061494	0.567687454	YBR259W
YDL107W	8.02291165	9.78475547	8.41307519	8.63278173	7.29754393	8.993155	-0.079306523	3.11228709	0.659216545	MSS2
YOR387C	4.47178682	4.08657435	4.05522329	4.25726222	3.45330204	4.19641672	-0.07939373	2.07448161	0.714602042	YOR387C
YHR191C	5.39244881	6.90688622	5.87099492	6.74066519	6.84144744	3.61537441	-0.079488423	2.593696	0.754840526	CTF8
YOR061W	74.5736214	82.4221755	75.5360996	74.7386035	75.0604519	70.3061202	-0.079582395	6.23984218	0.351285082	CKA2
YPR025C	19.6627097	22.9653967	20.3971679	19.8672237	20.7198122	19.1098361	-0.079654239	4.36378767	0.522745342	CCL1
YPL014W	46.1646227	44.5494161	50.6600283	42.2178504	48.085602	43.5136134	-0.079685659	5.52307847	0.417195379	YPL014W
YOR372C	68.7208416	87.7750123	76.9887169	66.4605936	74.2134155	80.4420806	-0.079718482	6.24608046	0.455674565	NDD1
YGL246C	33.406878	48.8086626	41.4601187	40.798763	37.0089729	39.3171967	-0.079765774	5.33243348	0.535244252	RAI1
YKL018W	54.4505807	53.355696	59.4362578	50.377603	52.2556271	55.6509418	-0.07976703	5.76490988	0.385009716	SWD2
YDR352W	62.2762076	53.5283682	60.8888751	48.5446151	55.5134592	63.1399316	-0.079839355	5.84343578	0.462675117	YQP2
YDL180W	82.0704404	65.7880912	76.6860882	67.05188	68.8054142	76.5039049	-0.079946729	6.18828678	0.42213699	YDL180W
YEL022W	224.904572	227.927245	212.929486	206.536347	216.580679	206.592823	-0.080363397	7.75513234	0.35759867	GEA2
YLR182W	77.993223	83.3430937	78.1992313	77.458521	78.6440672	70.4352407	-0.080631388	6.28193141	0.345768517	SWI6
YGR250C	83.1226256	85.8756186	78.3202827	74.0881884	77.3409344	82.5080088	-0.080646841	6.3279114	0.347672817	YGR250C
YMR222C	42.0216438	32.9228243	35.0443923	35.0041561	32.5783211	36.2828646	-0.080954236	5.15992624	0.474152189	FSH2
YMR154C	23.6084039	22.7351671	23.3629282	21.4045684	22.3487283	22.1441682	-0.081059859	4.50602547	0.47171126	RIM13
YOR181W	90.4879215	72.4647479	100.109542	75.3890186	84.7687916	88.5121127	-0.081074442	6.41603204	0.47732318	LAS17
YDR385W	7664.57685	5560.44631	6901.74794	6399.90683	6244.22165	6380.0383	-0.081272542	12.6718187	0.481444672	EFT2
YMR179W	49.649986	48.0604166	49.9942454	41.7448213	49.5842048	48.3556327	-0.081294318	5.58532075	0.401788773	SPT21
YDR370C	41.3640281	50.3051546	43.0943132	40.1483479	42.7427573	44.6111378	-0.081433667	5.45438134	0.43663718	DXO1
YLR178C	54.3190575	52.2621057	50.7810797	47.1846563	48.085602	53.455893	-0.081511866	5.67618799	0.378263337	TFS1
YLL048C	635.519821	532.46337	667.901329	525.298856	589.602456	620.101271	-0.081531996	9.21735586	0.454499246	YBT1
YJL006C	14.0072146	23.5409705	14.8288016	15.6690901	16.0936906	17.818631	-0.081681594	4.09980395	0.672569976	CTK2
YCL008C	66.813756	52.7225648	58.0441662	53.8661929	56.9469053	56.8775866	-0.081771561	5.84922159	0.412748534	STP22
YNR021W	434.355176	359.618542	428.158949	336.501122	384.424189	433.780369	-0.081877579	8.63022319	0.469890222	YOR021W
YNL071W	643.542733	595.718936	645.446287	603.615257	603.066604	590.209872	-0.08192399	9.25505014	0.362094637	LAT1
YIL099W	7.2337728	7.13711576	7.68676654	7.39108025	7.36270058	6.06866418	-0.081952271	2.86295751	0.637463672	SGA1
YCR011C	337.093812	297.686796	320.241589	316.98865	288.057515	297.106304	-0.081955275	8.27450226	0.375618289	ADP1
YIL158W	28.6062833	30.5629715	28.9312945	26.5487603	28.0825128	28.6647542	-0.081967898	4.84261538	0.439881574	AIM20
YDR363W	21.8986031	20.2601996	21.1234766	19.8672237	20.0030892	19.8845592	-0.081987743	4.36646697	0.481374503	ESC2
YHR054C	30.3818457	42.0168912	39.3417185	38.6701319	36.1619365	30.7952427	-0.081988278	5.18534918	0.537060521	YHR054C
YOR334W	35.5770098	34.7071032	36.4364839	33.9989692	33.3602008	33.4422133	-0.081997857	5.11741209	0.391950022	MRS2
YLR276C	113.635994	138.598183	123.714573	119.794629	116.82586	118.661753	-0.082034849	6.93092945	0.369975956	DBP9
YDR145W	70.1675961	79.7169784	76.6860882	71.2500136	72.4541862	70.4352407	-0.08208329	6.20140689	0.338755153	TAF12
YDL091C	34.3933016	37.815202	32.1996835	35.3589279	32.2525379	30.9889235	-0.082348821	5.08635135	0.448833732	UBX3
YLR176C	30.1187995	32.8652669	28.3865631	27.6722045	27.8870429	30.7952427	-0.082368798	4.89477384	0.456549024	RFX1
YMR014W	48.9266087	55.4853193	51.1442341	50.4958603	50.9524942	45.5149814	-0.082480412	5.46987937	0.386347581	BDU22
YOR360C	229.770929	201.911307	260.200074	168.043601	228.178561	257.272625	-0.082495276	7.80943848	0.556209794	PDE2
YJL065C	17.8898626	20.778216	16.9472018	16.9699203	18.8302696	16.5919861	-0.082515677	4.17792415	0.554027104	DLS1
YLR321C	50.8336943	53.643483	46.4232278	48.1307146	49.9751446	44.417457	-0.082535428	5.61570667	0.391572342	SFH1
YNL090W	25.3839664	24.058987	19.0656021	24.2427432	17.0710403	23.3062529	-0.082737289	4.48024922	0.597196913	RHO2
YDR329C	44.3232988	47.7726297	46.8469079	41.449178	45.9354328	43.9009749	-0.082887064	5.49712943	0.37367935	PEX3
YPR115W	147.305919	135.720314	144.353844	126.003136	138.197238	139.321035	-0.082908837	7.11475003	0.334393432	RG1
YAL063C-A	0.32880785	0.11511477	0.3026286	0.1085728	0.39093985	0.19368077	-0.08294143	-1.4676927		1 YAL063C-A
YBR061C	41.1667434	49.4993512	46.3021764	45.6473116	40.3319616	43.3844929	-0.082948852	5.47688141	0.419011195	TRM7
YDR275W	16.5061543	14.792248	18.5813963	18.0933645	14.2693047	14.6551784	-0.082997335	4.02533765	0.579768392	BSC2
YNR036C	94.4336158	82.4221755	88.4886038	87.037361	76.9499945	86.3816242	-0.083003015	6.42749028	0.354969205	MRPS12
YJL216C	15.7170154	15.2527071	14.526173	15.9647333	14.3344613	12.5892502	-0.083271865	3.8936232	0.568622155	IMA5
YKR106W	9.99575877	12.7777395	9.92621821	9.40145408	9.2522432	12.2664489	-0.083353437	3.42437171	0.647950385	GEX2

YOR060C	8.08867322	9.15162424	8.71570379	6.85892247	7.75364043	9.94227962	-0.083357802	3.09434634	0.664790539	SLD7
YNL025C	20.5176101	21.526462	19.9129621	18.7437795	20.394029	19.3680772	-0.083628523	4.33644582	0.486515259	SSN8
YMR061W	85.358519	96.5812923	81.6491974	82.1888124	82.879249	83.7346537	-0.083768495	6.41841337	0.345147832	RNA14
YKR078W	18.1501936	20.317757	18.4603448	17.4429494	18.6999563	17.6249502	-0.083782741	4.21564996	0.515930307	YKR078W
YDR259C	5.06364096	5.64062374	5.99204636	5.26244914	5.79894116	4.71289878	-0.083827321	2.47011767	0.675734391	YAP6
YKL034W	112.057717	84.1488971	106.041063	91.7085238	92.8482152	100.520321	-0.083844149	6.61455038	0.428817464	TUL1
YMR290C	228.784505	242.949723	237.926608	232.789464	222.77056	213.952693	-0.084016611	7.84548402	0.341475306	HAS1
YER170W	12.4946985	15.0800349	14.8893273	12.890044	12.5100753	14.7197387	-0.084028083	3.79689151	0.584132968	ADK2
YGR054W	331.767125	289.513647	342.938734	284.053996	313.273136	312.213404	-0.084204024	8.28726492	0.387351162	YGR054W
YDR212W	359.978839	344.998967	370.356886	354.357952	333.667165	326.22298	-0.084275418	8.44457259	0.345801657	TCP1
YDR294C	188.604185	176.068041	186.237643	170.881775	172.925729	175.73302	-0.084482584	7.48000918	0.324734795	DPL1
YHR021C	810.577123	586.624869	685.937994	621.146384	652.869555	690.536512	-0.084484014	9.39811912	0.467731029	RPS27B
YER021W	227.535035	282.606761	230.845099	236.632825	230.71967	231.513083	-0.084626782	7.90762235	0.404386704	RPN3
YPR169C-A	4.14297896	5.4103942	4.59995478	4.43464815	3.97455518	4.97113981	-0.084638767	2.23963937	0.719959771	LSO2
YIL142C-A	12.2316522	10.9934606	11.1972583	6.50415062	12.2494487	13.7513348	-0.084687388	3.4915074	0.730206325	YIL142C-A
YPR133W-A	0.39456943	1.1511477	0.42368005	0.59128642	0.52125314	0.77472309	-0.084693147	-0.3702165	0.916093892	TOM5
YNL123W	268.307209	269.368562	269.944715	249.108969	256.977797	255.464938	-0.084777971	8.03151534	0.325915063	NMA111
YPL255W	29.4611837	26.7066267	29.7786546	27.6722045	25.867187	27.4381093	-0.084826301	4.80444721	0.431478797	BBP1
YER090W	152.040752	162.829843	135.577615	135.700233	139.760998	149.327875	-0.084827282	7.18981744	0.360980964	TRP2
YDR469W	12.8892679	16.1160678	10.834104	13.8361022	11.3372558	12.3955694	-0.084846642	3.70553676	0.629330657	SDC1
YPL219W	44.8493913	46.3912524	41.0364387	42.8091368	41.2441546	40.6084018	-0.085340843	5.42471478	0.365022578	PCL8
YGL042C	7.56258065	6.9644436	7.14203505	8.75103902	7.23238729	4.39009749	-0.085397099	2.8366592	0.72520706	YGL042C
YCL009C	561.866861	413.146911	516.82913	468.003202	459.093701	478.778868	-0.085497938	8.91604298	0.445283234	ILV6
YPR033C	448.165105	488.029069	457.211295	444.056101	430.750562	438.428707	-0.085532036	8.81775942	0.336710691	HTS1
YBR204C	27.0937622	30.7356437	26.6918429	27.8495904	26.1929702	25.6304421	-0.085562686	4.781588	0.44772135	LDH1
YER010C	64.512101	55.139975	65.6704071	58.8921274	52.7768802	62.8816906	-0.085653592	5.9092238	0.396269591	YER010C
YLR139C	60.6321683	58.5358607	70.9361448	49.7863166	62.6806899	66.755306	-0.085804687	5.94635727	0.463483455	SLS1
YDR036C	97.8532174	94.6818986	97.2043076	88.1016766	91.5450824	93.354132	-0.085906449	6.55322132	0.286911205	EHD3
YBL077W	102.719574	85.18493	86.2491521	78.286322	88.5478768	91.4173243	-0.085966017	6.47304696	0.385167468	YBL077W
YOR064C	16.3746311	17.0945434	16.0998417	16.0829906	14.2693047	16.3337451	-0.086192305	4.01559653	0.521769162	YNG1
YDR274W	82.4650099	97.73244	84.1307519	84.6130867	81.4458028	83.0244908	-0.086203993	6.42140278	0.3396021	MCM5
YDL043C	14.0072146	18.8788223	17.9761391	18.9211654	15.116341	13.8804553	-0.086214553	4.05501526	0.610536675	PRP11
YNL086W	5.06364096	5.52550897	5.99204636	5.38070642	4.6261216	5.61674238	-0.086322371	2.45901521	0.673781296	SNN1
YJR093C	30.644892	34.9373328	29.1733974	28.5000054	29.320489	31.5054055	-0.086356165	4.94538336	0.441664993	FIP1
YLR192C	194.325442	220.675015	193.863884	207.896305	188.889106	176.636864	-0.08650923	7.62347381	0.377682782	HCR1
YCR077C	331.635602	306.320404	340.215077	304.80815	317.508318	298.849431	-0.086571504	8.30686445	0.336238454	PAT1
YGL002W	39.1281347	34.4193163	36.6180611	35.2997993	33.5556708	34.7979787	-0.086622553	5.16010761	0.381052216	ERP6
YNL084C	50.8994559	68.9537474	54.2915716	57.650426	52.7117236	53.714134	-0.086699224	5.82082895	0.446528591	END3
YHR064C	1215.40535	988.432975	1067.31056	1011.33629	997.548193	1071.31291	-0.086725853	10.0480294	0.392881717	SSZ1
YDL119C	11.7713212	15.3678218	13.5577615	10.5248983	13.6177382	14.2678169	-0.087181179	3.73469055	0.61594391	YDL119C
YKL112W	128.629633	136.929019	136.90918	135.522847	125.100753	118.209831	-0.087204017	7.02632672	0.313195833	ABF1
YOR241W	88.120505	109.761933	94.6622273	86.3278173	96.3015173	92.9022102	-0.087348964	6.56707517	0.371448469	MET7
YDR228C	57.8701824	73.9036825	61.130978	61.9668168	56.7514354	62.9462508	-0.087379295	5.96755148	0.401892101	CFP11
YDR043C	11.3767518	13.095756	7.98939514	11.5300852	9.9038962	9.29667705	-0.087389932	3.42020912	0.668610836	NRC1
YJL203W	10.2588051	11.6265918	9.19990956	9.81535457	10.3599061	9.10299627	-0.087429182	3.34928646	0.602816232	PRP21
YLR221C	21.6355568	26.1886102	23.4234539	25.7800879	21.5668486	19.6908785	-0.087632583	4.5360156	0.517790297	RSA3
YDL040C	314.669117	342.869343	304.262798	310.543628	297.374915	297.170864	-0.087708219	8.28209312	0.333165105	NAT1
YLR210W	33.406878	32.57748	33.2891464	34.1763551	30.4933086	28.6647542	-0.087755442	5.01056187	0.407823868	CLB4
YOR030W	53.5956803	57.6724999	54.9573545	51.855819	51.6040607	53.0039712	-0.087823342	5.75257093	0.311641963	RKM3
YBR145C	97.7874559	106.135818	103.25688	89.6390213	94.9983844	104.523057	-0.087828371	6.63686852	0.322466671	PN01
YDR245W	122.776853	132.266871	125.046139	124.879692	113.958967	118.790873	-0.087862931	6.94358835	0.294059187	MNN10
YLR154W-C	712.263574	459.307933	1086.43669	826.322772	450.818808	847.353377	-0.087902394	9.51283517	0.734335917	TAR1
YNR027W	43.4026368	39.6570384	42.4285303	41.7448213	38.8333588	37.380389	-0.088019118	5.34697633	0.361232737	BUD17
YDR420W	244.50152	210.199571	241.921306	178.864142	230.198417	246.361942	-0.088050579	7.81657564	0.459315684	HKR1
YNL079C	169.599091	193.392814	183.635037	195.774934	166.540378	151.910285	-0.088054663	7.46729992	0.404198866	TPM1
YNL035C	49.4527013	58.0178442	52.233697	54.2209647	46.6521559	49.3885968	-0.088071468	5.69511472	0.376330711	YNL035C
YMR085W	7.8913885	8.00047653	7.5657151	8.21888124	6.7762908	7.03706804	-0.088108871	2.94754395	0.597882246	YMR085W
YNL127W	50.7021711	58.881205	52.4757999	48.6037437	52.9723502	51.0026032	-0.088177647	5.71624299	0.354493478	FAR11
YOR020C	57.6071361	76.9542239	57.6204862	74.6794749	58.2500382	47.8391506	-0.088188245	5.96187561	0.556075093	HSP10
YDR064W	2586.86291	2121.91056	2380.83975	2440.17993	2238.84738	1989.68257	-0.088267125	11.16313	0.421688655	RPS13
YBL010C	12.4946985	13.756215	15.0709045	14.8412891	12.9661718	11.039804	-0.088329417	3.75532987	0.58856407	YBL010C
YER036C	765.727731	713.366231	721.224489	697.717976	684.60084	687.243939	-0.088341741	9.47526413	0.322761405	ARB1
YDR302W	37.8129032	35.1675623	41.0364387	34.2354837	34.2723938	38.7361544	-0.088360255	5.20931152	0.40164833	GP11
YDL228C	802.356926	586.509755	676.859136	745.789562	618.597162	578.330785	-0.088439187	9.38411448	0.486888275	YDL228C
YAL062W	50.1760786	41.2686451	46.7863822	41.8039499	42.5472874	45.5795416	-0.088475418	5.48551866	0.380352512	GDH3
YLR304C	819.060365	687.522966	776.666049	725.449309	732.360659	689.180746	-0.088702288	9.52842819	0.362908506	ACO1
YKL076C	3.87993268	1.95695109	2.96576032	2.83817482	2.54110905	2.84065132	-0.088880726	1.55959809	0.780878682	PSY1
YGR263C	40.2460814	36.5489396	44.7285077	35.5363138	39.8758651	38.8652749	-0.088902339	5.30068622	0.406081997	SAY1
YER133W	135.731882	170.484975	147.80381	153.202311	141.84601	131.896606	-0.088908785	7.19949148	0.379454737	GLC7
YBR039W	186.30253	244.561329	194.892821	212.449211	191.430215	184.513215	-0.088966553	7.66189808	0.427993891	ATP3
YMR212C	211.357689	186.140584	197.979633	192.995888	187.781443	178.961033	-0.088997782	7.58988087	0.326736713	EFR3
YDR182W	99.6945414	100.264965	97.1437819	92.4180675	91.610239	95.2909397	-0.089079751	6.58791677	0.265999357	CDC1
YMR171C	107.848976	111.431098	112.214686	106.431556	102.361085	102.77993	-0.089410081	6.74564868	0.264704279	EAR1

YBR230W-A	1.5782777	0.92091816	0.84736009	1.59647333	0.71672306	0.77472309	-0.089467746	0.26004175	0.824334465	YBR230W-A
YLL066C	129.879102	114.366524	142.659124	118.789442	128.814682	115.950222	-0.089678199	6.96801034	0.353347529	YLL066C
YBL085W	148.029296	148.670726	149.740633	132.80293	146.863072	139.902077	-0.089784216	7.17449016	0.281883542	BOI1
YKL082C	58.6593212	65.0398452	67.2440758	61.612045	62.4200633	55.3927007	-0.090159663	5.95108568	0.330967336	RRP14
YCR066W	23.4111192	21.4689047	22.6366196	21.2271825	21.3713787	20.7884028	-0.090165243	4.45538237	0.430511077	RAD18
YER115C	17.0322469	19.8572979	15.6761617	16.023862	17.2665102	16.1400643	-0.090187354	4.09855458	0.521665922	SPR6
YHR098C	384.179097	335.271768	389.967219	335.732429	347.024277	359.277832	-0.090339711	8.48658813	0.339403906	SFB3
YPR031W	38.7993268	41.5564321	37.6469983	34.6493842	38.246949	38.0259915	-0.090360698	5.25848147	0.363647179	NT01
YHR101C	22.6877419	24.058987	23.6655568	23.119299	22.4138849	20.5947221	-0.090492141	4.51670648	0.432954468	BIG1
YAL061W	59.9087911	52.3772205	56.5310232	50.4958603	54.9270494	53.0685315	-0.090660929	5.77249691	0.322298889	BDH2
YPR193C	1.84132398	1.32381986	1.7552459	1.18257284	2.01985591	1.42032566	-0.090822088	0.77025948	0.800969359	HPA2
YML030W	17.9529088	18.9363797	14.8288016	18.8620368	16.3543172	13.299413	-0.090860896	4.0742967	0.577571885	RCF1
YHR178W	33.1438317	31.1961027	33.6523008	30.5103793	29.1250191	32.3446889	-0.090897405	4.99027357	0.37656392	STB5
YDR037W	955.055294	1008.57806	882.222906	948.77819	865.149896	858.070379	-0.090924398	9.84514541	0.345364899	KRS1
YOR307C	100.089111	89.1563896	97.0227304	84.6130867	92.7830586	91.352764	-0.090997087	6.53316891	0.292639344	SLY41
YGR143W	149.87062	139.691774	140.661775	129.669112	137.806298	136.415824	-0.091058818	7.12034852	0.273390557	SKN1
YEL064C	38.6020421	34.5919885	41.3390673	37.7240736	34.4027071	35.3144607	-0.091094138	5.21418527	0.38021999	AVT2
YOL076W	95.4200393	117.704853	100.593748	106.549813	100.015446	87.9956306	-0.091114233	6.66579442	0.374664478	MDM20
YGR262C	45.7700533	50.0749251	44.0627247	41.7448213	43.2640105	46.418825	-0.091118459	5.5030575	0.343612973	BUD32
YBL102W	83.977526	71.3136002	78.3202827	71.4865282	72.6496561	75.0835792	-0.091126458	6.24000196	0.302426495	SFT2
YER107W-A	9.14085835	11.6265918	9.62358961	7.92323803	10.0992796	10.5878822	-0.091245654	3.31614604	0.628620584	YER107W-A
YER025W	490.778603	566.710014	498.671414	498.336195	467.955005	494.531571	-0.091264877	8.97433572	0.335547395	GCD11
YML031W	189.65637	155.692727	178.550876	150.600651	162.305196	178.767352	-0.091471889	7.40398921	0.36781661	NDC1
YGL249W	10.5218513	9.6696407	11.3183098	8.45539581	9.64318305	11.4917258	-0.091859892	3.36418739	0.601117693	ZIP2
YDR317W	13.7441683	13.5835429	13.6788129	12.3578862	11.4024124	14.7197387	-0.091904148	3.74107991	0.539366954	HIM1
YNL309W	29.3954222	33.2106112	33.7733522	26.7261462	32.3176946	31.5054055	-0.09201121	4.96716491	0.42831412	STB1
YGL233W	79.3084545	97.73244	85.0386377	80.2375672	82.7489357	83.0244908	-0.092138066	6.40638465	0.323401378	SEC15
YCL005W-A	19.5311865	20.0875274	17.4919333	19.0985514	17.3968235	17.0439079	-0.092291627	4.21522272	0.470090527	VMA9
YBR044C	52.6092567	51.3987449	47.0284851	50.2593457	47.4991922	43.8364147	-0.092311554	5.61181141	0.33087698	TCM62
YOR131C	26.4361515	31.7141192	22.6366196	27.0217894	23.3912346	25.3721811	-0.092432527	4.71364306	0.496667823	YOR131C
YBR276C	149.081481	157.477006	149.377479	132.329901	146.146349	149.263315	-0.092473026	7.20361962	0.284745211	PPS1
YOR069C	128.629633	126.396018	124.864562	124.170148	115.066663	116.983186	-0.092512283	6.94034785	0.256233784	MEF1
YOR270C	1413.08463	1109.07325	1298.76092	1210.95459	1197.83971	1174.54476	-0.092564719	10.2693029	0.375586348	VPH1
YJR129C	20.3203254	18.533478	19.6708593	17.4429494	19.2863661	18.1414323	-0.092812543	4.24912866	0.457099831	EFM3
YBL063W	50.3733633	53.4132534	54.0494687	47.3029136	47.8249754	52.939411	-0.092906169	5.67559252	0.313433168	KIP1
YDR121W	11.4425133	13.007969	11.0156812	11.4709566	11.3372558	10.4587617	-0.093030184	3.53476528	0.540779424	DPB4
YER100W	49.3211781	53.1830239	47.7547937	48.0124573	46.0005894	46.8707468	-0.093138406	5.6046034	0.30369252	UBC6
YNL058C	52.2146873	49.7295808	50.2363483	43.8734524	47.173409	51.6482058	-0.09317897	5.62238756	0.32525379	YNL058C
YPR072W	81.8073942	92.5522753	79.6518486	82.3070697	77.7970309	78.053351	-0.093206014	6.3605072	0.291334495	NOT5
YML073C	803.474873	943.538215	790.405388	899.58316	778.817345	699.639508	-0.093576191	9.67842105	0.411427878	RPL6A
YJR054W	59.7772679	68.8386326	61.9178124	55.5217948	63.7231961	59.4599969	-0.093659922	5.94649747	0.32090227	KCH1
YIL097W	12.6262216	15.4829366	11.6814641	13.1856872	11.467569	12.6538104	-0.093679538	3.69939646	0.562040448	FYV10
YHR036W	31.8286003	34.7646606	33.5312493	31.1016657	30.9494051	31.8282068	-0.093700127	5.02088344	0.352183898	BRL1
YOR086C	747.24873	613.791955	753.908378	628.30095	670.266379	683.305763	-0.09372126	9.41555212	0.36432471	IST2
YDL026W	2.89350912	3.28077095	2.66313171	2.83817482	2.73657898	2.71153081	-0.093917274	1.57637986	0.712806655	YDL026W
YPL230W	10.0615203	10.3027719	12.1656699	9.87448322	9.38255649	11.2334848	-0.094158985	3.41016419	0.569141838	USV1
YOR305W	19.7942328	23.8287574	20.3366422	17.7385926	19.481836	22.7897708	-0.094248207	4.37785924	0.499357926	RRG7
YOR313C	11.5740365	15.2527071	12.0446184	11.884857	12.9661718	11.6208463	-0.09450733	3.66627898	0.56587743	SPS4
YEL030W	16.5719159	16.6916417	15.3735331	14.1908741	14.7905578	16.5919861	-0.094606179	3.98394726	0.493475058	ECM10
YNL148C	22.5562188	16.5765269	17.7945619	19.3350659	17.5922934	16.2691848	-0.094701964	4.20685361	0.524509042	ALF1
YLR048W	2557.53325	1885.46482	2194.90474	2176.58444	1960.3679	2079.03396	-0.09470772	11.065026	0.410157304	RPS0B
YGR221C	47.9401852	53.0679091	49.9942454	42.5134936	48.8023251	50.2278802	-0.094723891	5.61124366	0.336240194	TOS2
YFR014C	46.427669	45.2401047	41.8837988	43.5186805	42.4821308	38.9943954	-0.094806589	5.43358518	0.318994453	CMK1
YPR114W	156.315254	132.95756	163.237869	127.481352	144.256806	151.974846	-0.094874074	7.19123401	0.349895374	YPR114W
YBR003W	103.771759	97.2144235	101.017428	92.5954534	93.5649383	96.5821449	-0.094899056	6.60848046	0.24135838	COQ1
YJL126W	14.401784	21.4113473	17.1893047	15.7873474	18.569643	15.3653412	-0.094944998	4.10988651	0.56794982	NIT2
YNL121C	299.74124	300.737337	282.473539	309.420184	262.320642	254.754775	-0.095144929	8.15506292	0.335339769	TOM70
YLR093C	37.2868107	50.9958432	38.2522555	39.5570615	40.9183713	38.0905518	-0.095162685	5.35752243	0.441355523	NYV1
YPR171W	65.8273324	65.0398452	72.6913907	59.6607998	65.938522	65.0121791	-0.095304599	6.04037007	0.287455541	BSP1
YER120W	402.986906	349.891344	380.76731	372.569573	352.301965	336.100699	-0.095405438	8.51526851	0.31135221	SCS2
YOR254C	339.395467	343.675147	348.386049	325.562303	320.17974	319.702394	-0.095414623	8.37914791	0.268653984	SEC63
YDR246W	19.3339018	21.9293637	20.2761165	17.0290489	18.9605829	21.6922464	-0.095515956	4.32160555	0.482552288	TRS23
YOR073W	38.0759495	38.9087924	36.5575354	38.3744887	31.0797184	36.7347864	-0.095778512	5.20000646	0.369026262	SGO1
YPL040C	43.9287293	47.7150723	45.8784964	39.4388042	43.720107	45.6441019	-0.095784312	5.47614936	0.325393246	ISM1
YAL047C	17.8213857	19.6846257	19.1866535	16.0829906	18.8954263	18.1414323	-0.096011626	4.20376187	0.468437965	SPC72
YOL114C	3.02503226	3.28077095	3.02628604	2.83817482	3.25783211	2.64697055	-0.096155853	1.6498883	0.689163334	YOL114C
YOR058C	54.713627	54.391729	52.4757999	50.4367316	48.9326383	51.7773263	-0.096167487	5.70729482	0.267868148	ASE1
YNL158W	16.1115849	16.7011172	16.2208932	12.2987575	15.3230641	18.7224746	-0.096233213	4.02310593	0.566638503	PGA1
YPL247C	45.7042918	44.4918587	48.7232052	40.2074766	45.8051195	43.9655352	-0.096607981	5.48976247	0.312400761	YPL247C
YKR021W	68.2605106	71.0258133	69.7256304	60.4294721	64.8308591	70.3061202	-0.096638604	6.07794328	0.276121655	ALY1
YGR180C	603.362413	704.041935	607.678237	669.690999	576.962067	544.242969	-0.096711461	9.27103543	0.367825036	RNR4
YNL238W	243.580858	205.652537	234.476642	220.195063	211.433304	207.625787	-0.096712048	7.78536265	0.305547736	KEX2
YHR127W	21.2409874	22.4473802	21.4261052	20.8724106	20.8501255	19.1743964	-0.096734223	4.401482	0.409379273	YHR127W

YBR192W	36.4976718	43.6860553	38.6759356	36.009343	35.1194302	40.0919198	-0.097095526	5.26620269	0.367064641	RIM2
YHR158C	160.32671	136.641232	160.211583	142.913928	143.279456	141.128722	-0.097107425	7.20488851	0.279973545	KEL1
YCR089W	148.555389	120.985624	146.593296	104.184667	140.347407	144.550416	-0.097107731	7.06924016	0.432082254	FIG2
YBR156C	30.3818457	29.6996107	28.6891917	27.1991753	28.6689226	27.1153081	-0.097214346	4.84540992	0.349707914	SLI15
YDR292C	118.107781	142.684758	138.301272	121.331973	124.97044	126.925466	-0.097232987	7.00967583	0.291272583	SRP101
YPR180W	26.6334362	31.080988	26.1471114	28.3226195	26.1929702	23.8872952	-0.097249034	4.76488408	0.419563167	AOS1
YOL119C	66.4849481	55.888221	67.2440758	59.7199284	54.6012662	62.8171303	-0.097410083	5.93647278	0.325688155	MCH4
YGR070W	48.6635624	52.0318762	47.9968966	47.1255277	49.5842048	42.2869685	-0.097547143	5.5873833	0.309224383	ROM1
YNL307C	355.770098	276.505678	334.707236	316.98865	291.054721	295.492297	-0.097664852	8.2847822	0.353426639	MCK1
YGR001C	88.6465975	116.43859	92.4833014	95.6110141	92.5875887	89.9969986	-0.097670126	6.58665527	0.351044266	EFM5
YGL071W	79.5715007	89.4441765	93.1490843	74.9159894	81.4458028	88.7703537	-0.097777773	6.40393132	0.304431089	AFT1
YGR014W	615.39678	514.045007	623.05177	466.465857	575.463464	595.697494	-0.097822096	9.14240602	0.396552451	MSB2
YDL004W	100.549442	117.99264	95.9937932	100.57782	95.5196376	97.87335	-0.097852705	6.66618689	0.2961734	ATP16
YGR267C	81.3470632	88.8110453	81.0439401	75.980305	80.2729833	78.5698331	-0.097857975	6.3422463	0.243933817	FOL2
YNL040W	48.0717083	50.9382859	46.5442793	48.0124573	45.4141797	42.5452095	-0.09800536	5.55634651	0.293894963	YNL040W
YLR162W	5.45821038	2.47496756	4.11574901	4.19813358	2.67142233	4.32553724	-0.098127385	1.99383537	0.752333997	YLR162W
YMR277W	154.47393	132.324428	155.127422	138.715794	140.347407	133.704293	-0.098137891	7.15547865	0.27641911	FCP1
YCR100C	11.0479439	11.799264	10.7130526	11.2935706	10.1644362	9.87771936	-0.098195911	3.45290014	0.516431012	YCR100C
YLR228C	49.9130323	49.0388921	47.3311137	41.626564	48.085602	46.9998673	-0.098278939	5.56322059	0.298561969	ECM22
YLR351C	117.187119	141.591167	117.783053	119.794629	115.131787	116.918626	-0.098301565	6.92535481	0.294222982	NIT3
YNR030W	215.106098	166.455958	195.982284	168.398372	176.053247	194.971977	-0.09830893	7.54118055	0.359362363	ALG12
YDR381W	219.117554	262.634348	243.010769	226.758342	221.271957	229.059793	-0.098376506	7.8690443	0.298753223	YRA1
YAL058W	54.9766732	56.8666965	56.1073432	49.3724161	50.822181	56.7484661	-0.098433929	5.76217691	0.282564574	CNE1
YGR257C	63.2626312	65.15496	62.1599153	57.650426	61.1820871	59.2017559	-0.098640937	5.94394826	0.239894523	MTM1
YLL036C	58.2647518	56.7515817	57.7415376	52.3879768	54.275484	54.6825379	-0.098662255	5.80235918	0.244297958	PRP19
YHL031C	25.0551585	31.1385454	29.7181289	29.0321632	25.0201506	26.2114644	-0.098702838	4.79940149	0.416937438	GOS1
YDR004W	46.2303843	44.3767439	44.1837762	43.1639087	44.0458902	38.6070338	-0.098833858	5.4449441	0.296320113	RAD57
YHR109W	20.7806564	19.3968388	20.9418994	19.2168087	19.4166794	18.3996733	-0.099092666	4.30855054	0.410560063	CTM1
YJR096W	24.0687349	30.2176272	26.1471114	26.6078889	24.6943674	23.8227349	-0.099413106	4.70452989	0.41721465	YJR096W
YGL256W	109.953346	93.5307509	101.199005	93.4232544	94.8680711	96.0011026	-0.099415584	6.618751	0.253347441	ADH4
YPR124W	74.3763367	68.7235179	59.3152064	67.05188	66.9158716	54.8762187	-0.099421727	6.02974996	0.35997049	CTR1
YOR183W	0.32880785	0.4029017	0.54473149	0.35477185	0.65156642	0.19368077	-0.099426147	-0.8973048	0.887198181	FVY12
YBR284W	7.95715007	8.97895208	8.41307519	6.97717976	9.05677327	7.68267061	-0.099502243	3.05334427	0.571634322	YBR284W
YDR400W	57.6728976	50.8231711	51.6284398	45.7064403	53.4936033	50.2278802	-0.099675362	5.6920866	0.308873156	URH1
YOR298W	14.6648303	12.6050673	13.8603901	12.5352721	13.0964851	12.7183707	-0.099677817	3.74018853	0.473751458	MUM3
YNL042W	18.084432	19.6270683	21.4866309	17.2064348	21.306222	16.7856669	-0.099842476	4.26371856	0.480385565	BOP3
YGL215W	303.160842	257.857085	313.160079	214.341327	280.955441	320.412557	-0.099960739	8.13822218	0.450865454	CLG1
YPL228W	45.3097223	51.7440892	49.5705653	45.8838262	46.6521559	44.3528967	-0.099973932	5.56650825	0.282813469	CET1
YBR135W	36.4976718	32.2896931	33.4707236	30.5103793	33.4253575	31.4408453	-0.09998358	5.04669247	0.336253455	CKS1
YLR150W	1266.69938	1382.06793	1207.30655	1437.41729	1142.32625	1017.66334	-0.100144374	10.2789175	0.416683088	STM1
YNL016W	408.18207	429.493208	406.006535	367.425381	371.848957	421.061998	-0.100156309	8.64672478	0.284222636	PUB1
YOR047C	70.5621655	72.0618462	73.4176993	66.401465	69.7176072	65.4641009	-0.1001959	6.12374577	0.226442724	STD1
YFL044C	34.9851557	35.7431362	35.8312267	34.5311269	31.0145617	33.8295748	-0.100317165	5.10666349	0.313854108	OTU1
YCL001W	78.0589846	80.5227818	87.9438723	70.6587222	75.9074882	83.4764126	-0.100456932	6.3138164	0.276306264	RER1
YML111W	119.225728	122.309443	122.62511	110.747946	113.893811	115.046378	-0.100570382	6.87572375	0.208260523	BUL2
YLL025W	1.70980084	2.35985279	2.17892595	1.71473062	1.88954263	2.259609	-0.100597473	1.10201172	0.737284842	PAU17
YGL120C	347.221094	330.782292	340.820334	301.201302	322.004126	326.933143	-0.100717562	8.35877495	0.25586414	PRP43
YJL185C	19.1366171	14.9073628	20.3366422	15.6099615	16.2240039	18.8515951	-0.10080257	4.13910386	0.51264779	ATG36
YAL021C	153.816314	139.403987	164.387858	127.244838	150.77247	148.746833	-0.10083077	7.2046175	0.30146181	CCR4
YKL119C	16.6376774	25.0950199	20.155065	16.6328669	18.3741731	19.2389567	-0.101047621	4.32915978	0.516985858	VPH2
YPL266W	50.9652174	67.3421406	56.1678689	52.9201346	57.3378452	52.5520494	-0.101111903	5.81659223	0.352413935	DIM1
YPL257W	5.58973352	5.4103942	5.8104692	4.90767729	6.05956773	4.71289878	-0.101512362	2.46889894	0.614275364	YPL257W
YHR193C	317.562626	415.679435	317.094251	403.671239	311.05781	264.180573	-0.101568697	8.40251578	0.488267789	EGD2
YGR264C	587.77692	655.521059	621.296524	569.94098	587.843226	579.75111	-0.101889906	9.2299967	0.262171128	MES1
YPL223C	3.6168864	3.39588572	3.14733748	2.48340296	3.77908525	3.22801286	-0.101965739	1.76141732	0.690208064	GRE1
YOL029C	15.2566844	16.2311826	16.1603675	11.5300852	16.825534	16.9147874	-0.102063145	3.95111792	0.536714266	YOL029C
YGR132C	88.3177897	114.424082	93.3306615	97.5622593	96.171204	82.1852075	-0.102101916	6.57721088	0.349497741	PHB1
YCR053W	876.733263	725.625954	894.146473	730.238729	797.256675	797.96478	-0.102370444	9.65063424	0.326043418	THR4
YDL209C	31.4340309	27.5699875	28.6891917	25.2479301	27.7567296	28.6647542	-0.102391858	4.82466004	0.359193333	CWC2
YBL009W	75.4942834	73.673453	67.6677558	65.1597635	64.3747626	72.4366086	-0.10242333	6.12767917	0.253135948	ALK2
YDR407W	38.470519	47.6575149	41.3390673	46.8298845	37.334756	34.5397376	-0.102490628	5.36418456	0.416665616	YLR407W
YPL063W	193.733588	204.213602	205.545348	187.851696	185.761587	188.515951	-0.102527739	7.60290763	0.234639269	TIM50
YFR036W	3.87993268	5.52550897	3.57101753	4.13900494	4.23518175	3.74449492	-0.102546366	2.11069056	0.651035747	CDC26
YMR066W	31.6970772	36.606497	33.8338779	29.9782215	33.2950442	31.9573273	-0.102661966	5.04554975	0.337220688	SOV1
YIL018W	3964.69935	3096.01175	3708.04776	3230.49336	3307.22085	3490.77311	-0.102735352	11.759185	0.338156408	RPL2B
YCR102C	6.11582609	5.98596805	5.68941775	4.78942	5.53831459	6.26234495	-0.10288142	2.54800864	0.587582725	YCR102C
YLR135W	145.596118	187.867305	149.014325	166.210613	147.384325	135.705661	-0.10289023	7.28036526	0.361275541	PRE9
YER145C-A	16.7692006	19.281724	16.5840475	19.3350659	14.8557144	14.7842989	-0.10290337	4.09457548	0.492075772	YER145C-A
YER070W	859.43797	825.085116	919.264647	740.054083	840.650998	843.802562	-0.102953436	9.71109024	0.289776948	RNR1
YLR038C	7.8913885	11.7417066	6.71835501	10.6431556	7.49301386	6.39146547	-0.103053131	3.1112139	0.687546583	COX12
YOR211C	115.148511	105.790474	111.791006	106.135912	106.009857	97.5505487	-0.103074505	6.74408279	0.219346922	MGM1
YGL004C	23.4768808	26.8792989	23.9076597	22.7645272	22.4138849	24.0164157	-0.103174559	4.58762504	0.376393193	RPN14
YDR118W	25.1866816	26.7066267	26.5707914	27.9678477	24.042801	20.9820836	-0.103241409	4.665993	0.412678483	APC4

YFL003C	6.24734923	7.30978791	6.89993217	4.90767729	6.7762908	7.42442959	-0.103489076	2.74725962	0.626443921	MSH4
YOR017W	50.1760786	51.2260728	49.5705653	47.3620423	45.8051195	47.3226686	-0.103788457	5.60605328	0.232701879	PET127
YAL028W	23.9372118	22.274708	23.4839797	23.7697141	21.0455955	19.9491195	-0.10403112	4.49446261	0.383518597	FRT2
YPL215W	50.2418401	59.6870084	49.0258338	49.2541588	50.4312411	48.2910724	-0.104100368	5.68072644	0.297707953	CBP3
YIL031W	72.9953437	82.6524051	77.2913455	72.6099724	73.1057526	71.0808432	-0.104187	6.2306183	0.220578156	ULP2
YKL190W	43.1395905	45.1825473	41.399593	41.7448213	37.8560092	41.0603236	-0.104253611	5.38765274	0.273788044	CNB1
YJL025W	39.8515119	39.5419236	41.2180159	33.9989692	36.2270931	42.0287275	-0.104343614	5.28280838	0.322775786	RRN7
YPL032C	268.109924	250.604855	277.328853	206.83199	261.408449	272.315165	-0.1043951	8.00115293	0.343732309	SVL3
YNL300W	42.6134979	38.851235	44.4258791	27.1400467	37.5953826	52.4229289	-0.104446447	5.34347247	0.555047997	TOS6
YFR001W	19.5311865	23.7712001	19.2471792	25.4253161	18.8302696	13.8804553	-0.104529902	4.34182336	0.578685912	LOC1
YDL052C	189.130278	143.087659	155.672154	149.122435	147.644951	156.881425	-0.104542412	7.29484384	0.316110015	SLC1
YPL210C	119.751821	137.159249	135.456563	118.020769	122.624801	124.407616	-0.104614632	6.9815457	0.229647605	SRP72
YDR500C	482.295361	474.618198	450.674517	427.795275	432.509791	448.758348	-0.104687404	8.82304379	0.237667156	RPL37B
YNL298W	75.8888528	83.2855363	85.0386377	71.9595573	77.4712477	77.79511	-0.104816197	6.29835842	0.224919569	CLA4
YFR009W	255.023372	273.915596	236.837145	241.540503	235.476105	234.999336	-0.105045607	7.94505133	0.251336218	GCN20
YFL034C-B	40.1803198	52.3772205	38.6759356	36.5415008	42.7427573	42.8680108	-0.105086161	5.40486045	0.401698811	MOB2
YCR020C	4.34026368	5.00749251	4.17627473	3.72510445	4.75643489	4.13185646	-0.105136593	2.16370231	0.630992998	PET18
YOR320C	92.0004376	105.905589	95.812216	95.3744996	87.3750573	90.3197999	-0.105385395	6.56390008	0.230621058	GNT1
YKL069W	21.7013184	28.4333483	21.244528	21.463697	23.6518611	21.3048849	-0.105765507	4.53027498	0.446880895	YKL069W
YDR100W	51.6885947	45.3552195	50.1758225	43.6960664	46.4566859	46.6125057	-0.105848858	5.56816739	0.256927234	TVP15
YMR081C	7.69410379	8.00047653	8.65517807	7.21369433	7.81879707	7.61811036	-0.10591601	2.99258466	0.516014017	ISF1
YDL167C	106.467983	134.166265	119.719876	97.444002	112.395208	125.182339	-0.105940779	6.85834761	0.335706698	NRP1
YLL032C	40.3118429	40.347727	36.1338553	35.8910857	34.5330204	38.0905518	-0.105946973	5.23560644	0.288040336	YLL032C
YOR324C	66.5507097	55.8306636	65.3677785	54.3983506	60.3350507	59.6536777	-0.106199556	5.91800567	0.270651827	FRT1
YBR159W	302.24018	280.764925	302.26545	274.593413	284.86484	262.760247	-0.106520796	8.15331439	0.233769686	IFA38
YGR033C	44.9809145	54.5068437	46.6653307	46.9481418	45.4141797	43.4490531	-0.106611625	5.55884722	0.289516088	TIM21
YDR197W	26.8964825	38.9663497	31.2917977	34.1763551	27.7567296	28.3419529	-0.1066218	4.97287798	0.451262494	CBS2
YGL223C	41.6270744	56.0033357	44.5469305	40.5031198	44.1762035	47.5163493	-0.106679121	5.51949073	0.371889326	COG1
YGR261C	133.232943	144.699266	133.822369	123.697119	130.769381	128.02299	-0.106715215	7.04989933	0.200618456	APL6
YLR082C	21.0437027	21.6991342	21.4866309	20.6358961	20.7849689	18.2059925	-0.107091394	4.37672027	0.371348846	SRL2
YLO26C-A	2.56470126	1.95695109	1.69472018	1.24170148	2.01985591	1.215785003	-0.107247343	1.0771504	0.761945447	FRM2
YCL086W-A	4.53754839	4.31680389	3.93417185	4.25726222	3.64877197	3.93817569	-0.107269437	2.08128784	0.606288452	MHF1
YHR029C	24.2660196	33.2106112	24.4523912	23.8879714	26.1278135	26.1469042	-0.107373969	4.72742746	0.438823102	YHI9
YJL001W	98.5108332	119.776918	100.170068	96.3205578	103.142965	96.2593436	-0.107503787	6.67952977	0.256407808	PRE3
YOR004W	26.1073436	34.9373328	30.6865404	29.6234496	29.1250191	26.4697055	-0.107617132	4.88959804	0.387916722	UTP23
YLR363C	23.3453577	26.7066267	24.270814	26.9035321	22.5441982	19.4971977	-0.107624892	4.58664194	0.426339376	NMD4
YBR219C	6.24734923	5.92841067	8.83675524	6.09025013	6.64597751	6.77882701	-0.107702545	2.78192986	0.606407006	YOR219C
YOR072W	0.92066199	0.86336078	0.66578293	0.53215778	0.97734963	0.77472309	-0.107938815	-0.1375824	0.921002513	YOR072W
YNL038W	20.5833717	26.7066267	19.5498078	20.5176388	20.7198122	20.8529631	-0.107984632	4.4349874	0.439098496	GPI15
YDR395W	280.736146	278.289957	264.557926	254.548804	257.30358	252.301485	-0.108027994	8.04848045	0.215150534	SXM1
YDR196C	27.1595288	29.1240369	23.7260826	26.6670175	23.9124877	23.6290542	-0.10804702	4.69153133	0.370358252	CAB5
YDR430C	111.531624	108.668343	113.364675	100.282177	101.839832	107.363708	-0.108150363	6.7454819	0.18291648	CYM1
YKL206C	19.8599944	26.2461676	23.7260826	18.7437795	22.6093549	23.5644939	-0.10817212	4.49776081	0.447228604	ADD66
YBR246W	82.5307714	82.7675198	86.067575	78.7593512	79.0350071	75.4063805	-0.108175415	6.33789972	0.180524554	RR22
YNR017W	109.756062	105.387572	110.156812	97.444002	101.253422	103.102731	-0.108208596	6.70926348	0.178085734	TIM23
YMR150C	25.0551585	31.829234	27.539203	26.9626608	24.6292108	26.7925068	-0.108289491	4.7698365	0.373026075	IMP1
YDL035C	141.781947	126.453575	136.969706	126.949194	123.40668	125.44058	-0.108312843	7.0255476	0.19508779	GPR1
YMR052C-A	1.70980084	1.78427894	1.51314302	1.71473062	1.6940727	1.22664489	-0.108404378	0.79404846	0.745368977	YMR052C-A
YEL030C-A	0	0.17267216	0.42368005	0.35477185	0.06515664	0.12912051	-0.10845754	-1.644419	1	YEL030C-A
YCR063W	6.90496944	6.04352544	7.74729226	6.20850741	7.62332714	5.35850135	-0.108572701	2.75852431	0.576137432	BUD31
YLR433C	66.0246172	74.9397155	74.3255851	71.0726277	65.2217989	63.3981726	-0.108649433	6.11496943	0.233653579	CNA1
YHR167W	15.3882076	15.5980514	14.8893273	15.0186751	14.0086781	13.4930938	-0.108701068	3.89374855	0.417383042	THP2
YMR126C	29.0666143	34.4768737	30.7470662	31.9885953	28.2779827	27.1798683	-0.108851238	4.92776515	0.343209489	DLT1
YOR318C	1.24946985	0.97847555	1.63419446	1.47821605	0.91219299	1.16208463	-0.109169154	0.44621875	0.766436289	YOR318C
YKR008W	69.575742	93.4156361	76.0203053	66.6379795	74.7998253	80.31296	-0.10929266	6.26556091	0.336803485	RSC4
YOR373W	67.0110407	70.6229116	67.7888073	58.1825837	65.2217989	67.1426676	-0.109322762	6.04696817	0.221144313	NUD1
YJR070C	238.911787	242.604378	226.608299	238.111041	217.883812	200.265918	-0.109571119	7.82994566	0.246365691	LIA1
YIR017C	5.12940253	3.97145957	5.32626343	5.9128642	3.32298876	4.06729621	-0.109634496	2.24932356	0.66695417	MET28
YML025C	41.5613128	45.0674326	41.0969644	35.4771852	40.5274315	42.4806493	-0.109695273	5.36310901	0.288700355	YML6
YJR090C	113.504471	119.08623	115.059395	99.927405	116.109137	106.266183	-0.109714922	6.80454653	0.205931333	GRR1
YNL154C	201.230407	190.687617	200.642764	173.365178	184.523611	191.292042	-0.109726629	7.5729506	0.214835134	YCK2
YKL025C	90.5536831	92.8976196	99.4437593	82.3070697	89.0039733	90.9008422	-0.110029198	6.50741239	0.198136983	PAN3
YLR279W	2.36741655	2.01450848	1.93682307	2.12863111	2.01985591	1.67856669	-0.110253402	1.10280587	0.691569543	YLR279W
YGR193C	79.1769313	81.3861426	75.7782024	71.7230428	75.6468617	71.5973253	-0.110393572	6.24814786	0.181702249	PDX1
YFL020C	3.74840954	3.16565618	3.93417185	3.72510445	2.60626569	3.67993466	-0.11049051	1.84903269	0.647341341	PAU5
YJL192C	152.040752	156.613645	152.101136	147.348576	139.695841	139.708397	-0.110523964	7.2099606	0.177510879	SOP4
YLR090W	54.6478654	55.600434	54.1705201	47.1846563	50.2357712	54.9407789	-0.110546214	5.22970005	0.229744799	XDJ1
YOR008C	123.237184	129.21633	119.114619	110.215789	116.500076	117.499668	-0.110620951	6.89994756	0.182020011	SLG1
YKL154W	36.3661487	43.1104815	36.860164	39.3796756	36.2270931	32.1510081	-0.110638081	5.22870153	0.327335411	SRP102
YKL110C	37.4183338	46.333695	38.1312041	34.2354837	36.5528763	42.224083	-0.110644895	5.29584604	0.35044929	KTI12
YOL116W	25.9100589	27.1095284	26.1471114	25.9574738	22.8048248	24.5328978	-0.11066934	4.67503328	0.319998745	MSN1
YPR172W	32.2889313	34.7646606	30.9286433	31.3973089	30.3629953	28.9875555	-0.110701264	4.9813921	0.287163218	YPR172W
YLR230W	31.565554	30.9658732	35.770701	25.3661874	32.057068	33.7004543	-0.110725513	4.98565685	0.379290348	YLR230W

YGL262W	0.19728471	0.17267216	0.24210288	0.29564321	0	0.25824103	-0.110920683	-1.6438283	1	YGL262W
Q0085	0.19728471	0	0.42368005	0.17738593	0.06515664	0.32280129	-0.110951949	-1.6432033	1	ATP6
YGR185C	518.793033	530.161075	501.879277	493.724161	467.759535	474.517891	-0.110961149	8.95982384	0.209078759	TYS1
YBR261C	40.9036971	40.7506287	35.1049181	35.5363138	34.8588036	37.7031902	-0.111066029	5.23267469	0.279359298	TAE1
YJL057C	36.2346255	40.2901696	34.1970322	34.7085129	32.9041043	34.9270992	-0.111184963	5.15701247	0.281018295	IKS1
YLR029C	1192.06	1576.32411	1177.10422	1353.04072	1205.78882	1093.97356	-0.1112127	10.3066831	0.377042743	RPL15A
YMR309C	537.798127	545.874241	544.97359	477.759427	501.250049	528.813067	-0.11125891	9.03030464	0.214661932	NIP1
YHR203C	1286.29633	1352.65611	1220.13801	1211.36849	1148.77676	1212.37707	-0.1111318922	10.2746524	0.229347072	RPS4B
YLR437C	35.1824404	27.2822006	29.3549746	32.698139	26.1929702	25.9532234	-0.111320991	4.88588348	0.394373596	DIF1
YHL042W	2.17013184	1.89939371	1.51314302	1.71473062	1.88954263	1.54944617	-0.111386881	0.93411428	0.715657874	YHL042W
YBL057C	34.5905863	43.2255962	34.8628152	37.0736585	35.70584	31.5699658	-0.111430045	5.18268863	0.343066508	PTH2
YDL208W	113.109902	126.914034	113.001521	124.465791	103.990001	98.2607116	-0.111486886	6.8258138	0.269830484	NHP2
YGL219C	40.8379355	42.8226945	41.8232731	40.5622484	39.0288287	36.5411056	-0.111573009	5.33644635	0.23938823	MDM34
YBR249C	546.478654	453.839982	493.224099	476.872498	445.34565	459.862712	-0.1111751897	8.90504371	0.249342981	AR04
YNR041C	66.353425	51.0534006	56.7731261	58.5373556	51.2782775	51.196284	-0.111755706	5.80686015	0.300855882	COQ2
YPL007C	33.8014474	44.4343013	34.7417637	34.4719983	35.7709966	34.4106171	-0.111899724	5.186544	0.345265602	TFC8
YHR218W	14.5333072	16.8643138	22.333991	0.05912864	23.3912346	26.2760247	-0.112074643	4.11294563	0.898883769	YHR218W
YDL170W	35.3797251	37.2971856	32.6838892	32.5798817	32.1873813	32.7320504	-0.112092405	5.08492327	0.270772917	UGA3
YGR181W	13.6784067	13.9288872	10.5920011	12.4170148	13.0313285	9.87771936	-0.11210295	3.63020791	0.519635709	TIM13
YMR306W	34.32754	32.1745783	35.9522782	29.6234496	33.685984	31.5054055	-0.112136683	5.04420385	0.287540497	FKS3
YER180C	12.7577447	17.2096582	13.4972357	16.2012479	13.2267984	10.781563	-0.112190118	3.81799664	0.545028406	ISC10
YMR025W	4.34026368	8.00047653	5.08416055	5.97199284	5.60347123	4.58377827	-0.112238866	2.52357958	0.677777621	CSI1
YOL052C	82.0704404	76.7815518	77.4729226	73.7925452	71.1510534	73.5986933	-0.112356272	6.24668436	0.169153123	SPE2
YER182W	17.0980084	17.9003468	15.7972131	15.8464761	16.6149438	14.5260579	-0.112585576	4.03791719	0.405430244	FMP10
YBL076C	1636.08212	1409.1199	1596.66851	1480.22642	1428.10329	1384.62384	-0.112699619	10.5403765	0.243709404	ILS1
YDR518W	144.41241	122.424558	141.509135	116.365167	124.905283	136.351263	-0.112745553	7.03454411	0.237184895	EU61
YPL239W	35.248202	38.851235	36.7996382	34.0580978	34.598177	33.9586953	-0.112824095	5.15864117	0.24568591	YAR1
YGL210W	31.565554	35.8582509	30.2023347	27.908719	31.6009715	30.859803	-0.112969547	4.97549063	0.313068474	YPT32
YOR193W	7.56258065	10.014985	6.05257208	8.92842494	6.7762908	6.13322444	-0.113104876	2.95005177	0.619038854	PEX27
YJR068W	48.5320393	54.5068437	50.4179254	45.2925398	48.1507586	48.5493135	-0.113139341	5.62566497	0.220544619	RFC2
YGL080W	19.3996634	26.6490693	19.6708593	19.15768	20.5243423	21.1757644	-0.113204356	4.4086079	0.439138202	MPC1
YKL006W	1148.52584	1043.05493	1048.91074	1068.86846	972.397729	954.523404	-0.113217112	10.0216831	0.236429355	RPL14A
YEL018W	14.0729762	14.792248	13.9814415	12.4761435	12.379762	14.7842989	-0.113272502	3.79425829	0.431369686	EAF5
YFL017W-A	2.82774755	3.8563448	5.02363483	4.90767729	2.67142233	3.22801286	-0.113318507	1.963879	0.711129518	SMX2
YEL011W	88.6465975	72.0618462	85.2202149	78.8776084	71.7374631	76.5684651	-0.113412597	6.30321041	0.233623444	GLC3
YKL194C	42.0216438	44.9523178	46.7863822	41.626564	42.2866608	39.7691185	-0.113488122	5.42764483	0.224152367	MST1
YBR151W	99.6287799	120.697837	90.7280555	111.398362	93.695216	82.3788883	-0.11361875	6.64260369	0.355829217	APD1
YBR109C	78.1247462	81.7314869	82.1939288	73.7925452	71.8026198	78.1179113	-0.113941595	6.28092478	0.168260119	CMD1
YJL066C	30.0530379	34.822218	27.1760486	26.1348598	26.9748499	32.0218876	-0.114029784	4.89045396	0.369420882	MPM1
YPL169C	131.917711	144.469037	125.954025	117.015583	129.466248	125.37602	-0.114090891	7.01302801	0.197766345	MEX67
YLR168C	18.084432	23.310741	20.2761165	20.7541533	18.5044864	17.7540707	-0.114116074	4.31695186	0.409115091	UPS2
YIL164C	11.5082749	8.74872254	11.6209384	12.890044	9.64318305	6.84338727	-0.114210305	3.37059768	0.609026729	NIT1
YDR266C	112.518048	122.654788	114.030458	107.436743	107.8994	107.299148	-0.114451583	6.80874025	0.162136859	HEL2
YIL035C	80.1633549	85.7605039	76.6860882	82.247941	73.3012225	68.498433	-0.114459025	6.2838996	0.217649104	CKA1
YHR091C	56.5549509	61.874189	55.9862917	50.9688894	52.6465669	57.5877495	-0.114487856	5.80904556	0.21528306	MSR1
YMR234W	25.1866816	28.83625	24.5129169	22.9419131	23.9124877	25.7595426	-0.114574252	4.66236789	0.335051963	RNH1
YER037W	23.0823114	25.6705938	24.270814	23.119299	20.5243423	23.8227349	-0.114596037	4.55779268	0.334061961	PHM8
YOR365C	15.2566844	16.3462974	13.4972357	13.7178449	13.291955	14.6551784	-0.114774446	3.86687358	0.425555896	YOR365C
YEL001C	266.2686	232.071377	267.644737	234.504194	226.940585	245.84546	-0.11486508	7.94053723	0.222093241	IRC22
YJR112W	20.4518485	16.0009531	17.6735105	18.8620368	16.7452571	14.2678169	-0.114949644	4.12556317	0.441722561	NNF1
YDR526C	6.44463394	9.78475547	8.29202375	5.67634963	8.014267	9.03843602	-0.114972048	3.00097591	0.612200643	YDR526C
YDR092W	47.6113773	61.2986152	41.6416959	54.1027074	43.1336972	41.7704864	-0.115018443	5.59757347	0.410674723	UBC13
YBR180W	5.1951641	5.00749251	3.93417185	3.6659758	4.6261216	4.77745904	-0.115144557	2.21742236	0.586141835	DTR1
YLR463C	1.5782777	1.38137724	1.39209158	2.12863111	0	1.87224746	-0.115199626	0.6098988	0.893320808	YLR463C
YPL041C	18.4132398	14.2742315	15.7972131	13.8952309	15.7027508	15.1071002	-0.115729194	3.96692633	0.432575678	YPL041C
YJR094W-A	211.226166	209.33621	196.769118	206.477218	182.308285	180.833281	-0.115806332	7.62907146	0.210583101	RPL43B
YOR175C	293.822699	252.216462	292.036603	266.847561	255.088254	251.333082	-0.115901011	8.06973091	0.221509697	ALE1
YGL148W	307.106536	322.206242	308.136445	272.878683	287.992359	304.207932	-0.116038281	8.23144916	0.195830709	ARO2
YBR118W	14970.6216	13325.4556	13673.0024	13620.2236	12391.9463	12712.1729	-0.116081528	13.7152139	0.225097041	TEF2
YBL015W	65.893094	61.125943	71.3598248	62.26246	61.3124004	59.3954367	-0.116216076	5.99285455	0.193593451	ACH1
YEL054C	779.07733	749.224482	737.021707	738.694125	680.235345	670.910193	-0.116264642	9.50380827	0.204689851	RPL12A
YER154W	137.244398	119.661804	135.396037	113.467864	116.650246	129.701557	-0.116579036	6.97496912	0.201294146	OXA1
YPL224C	61.0924993	60.4352544	63.1888525	55.5217948	57.2075319	57.6523097	-0.116715428	5.89015877	0.164794877	MMT2
YPL071C	5.98430295	7.94291915	5.44731487	6.03112149	6.25503766	5.61674238	-0.116719801	2.66663683	0.570892872	YPL071C
YLR212C	96.9325555	76.4937649	86.4307293	78.2271934	79.0350071	82.2497678	-0.11688838	6.38084344	0.222322186	TUB4
YMR078C	62.4734923	65.0398452	65.7309328	60.2520862	58.1197249	59.8473585	-0.116894334	5.95520825	0.160003401	CTF18
YFL048C	137.375922	148.555611	140.903878	130.378656	127.837332	135.44742	-0.116939907	7.09680801	0.158376877	EMP47
YDR429C	234.505762	245.885149	247.973878	236.514568	213.778943	221.312562	-0.116991952	7.86707855	0.189927538	TIF35
YCL058W-A	0.78913885	1.1511477	0.90788581	0.82780099	0.91219299	0.9038436	-0.11719416	0.05990779	0.854770345	ADF1
YFR041C	40.2460814	49.1540069	41.8232731	45.2334111	36.3574064	39.3817569	-0.117340426	5.39872627	0.305725931	ERJ5
YBR076C-A	1.77556241	1.61160678	1.4526173	1.77385926	1.2379762	1.42032566	-0.117517891	0.74161175	0.739807047	YBR076C-A
YPR110C	202.940208	246.863625	217.408389	200.209582	211.498461	203.36481	-0.117689197	7.74049554	0.223403802	RPC40
YPR065W	47.5456157	63.1980089	55.3810345	41.9813358	52.9723502	58.2979123	-0.117962825	5.73773323	0.366683512	ROX1

YHL001W	294.546076	314.55111	282.110385	295.22931	266.099727	259.790475	-0.118099554	8.15749512	0.20908614	RPL14B
YGL028C	514.255484	427.881601	530.871097	388.82995	459.484641	508.928508	-0.118104818	8.88205475	0.315842599	SCW11
YOR167C	229.968213	214.804161	203.426948	235.745896	190.127082	171.149242	-0.118305906	7.69820141	0.304339402	RPS28A
YNR037C	16.1773464	17.4398877	13.7393386	14.9004178	13.291955	15.4299015	-0.118424849	3.93500149	0.417167952	RSM19
YPL236C	24.7263506	23.1956262	23.1208253	22.0549835	21.8926318	21.4340054	-0.118939616	4.51480191	0.288769322	ENV7
YDR542W	0.06576157	0.17267216	0.3026286	0.05912864	0.19546993	0.25824103	-0.118952429	-1.7396905	1	PAU10
YNL110C	32.2889313	40.1174974	34.3786094	33.1120395	31.9919114	33.3130927	-0.11895838	5.10199777	0.282729152	NOP15
YDL202W	33.7356859	30.4478567	28.2049859	27.258304	28.0825128	29.6977183	-0.118998095	4.89171635	0.280672225	MRPL11
YJR073C	96.3407013	71.9467314	83.0412889	84.4357008	75.0604519	71.7264458	-0.119087602	6.33161262	0.274983184	OPI3
YCR024C	28.9350912	27.1095284	27.0549972	25.1888015	25.0853073	26.2114644	-0.119105561	4.73979072	0.26349147	SLM5
YGL196W	63.3941543	69.0113048	60.2836179	60.3112149	58.9016046	58.2333521	-0.119116919	5.95010889	0.175612958	DSD1
YPR056W	26.2388668	33.9012998	27.1760486	26.3122457	28.6689226	25.5013016	-0.119288533	4.81294598	0.343852704	TFB4
YNL316C	24.7921122	26.1886102	24.9971227	22.7053985	23.4563912	23.8227349	-0.119339681	4.61208787	0.279324363	PHA2
YPR192W	9.4696662	8.28826346	8.77622952	7.86410939	8.47036349	8.07003216	-0.11951161	3.10559594	0.441627186	AQY1
YLR435W	19.1366171	25.6130364	20.9418994	25.4253161	17.1361969	17.8831913	-0.119540089	4.40535361	0.477450746	TSR2
YIR026C	52.3462104	64.7520583	57.2573319	51.9149477	55.5786159	53.1330917	-0.11959069	5.80661521	0.225123455	YVH1
YLR060W	598.561818	646.25432	571.483856	573.843471	553.179893	544.759451	-0.119623856	9.18359609	0.193934263	FRS1
YIL134W	26.0415821	28.1455613	28.9918203	25.2479301	23.2609213	28.0837119	-0.119657728	4.74210572	0.304194835	FLX1
YHR024C	95.8803703	94.451669	96.901679	86.8599751	85.6158279	91.8692461	-0.119811326	6.52443391	0.140480125	MAS2
YNR005C	3.55112483	3.74123003	3.99469757	2.89730346	3.19267547	4.32553724	-0.119977158	1.90256515	0.628937085	YNR005C
YCR084C	501.037408	411.880648	496.068808	416.206511	448.342855	431.843561	-0.120086306	8.81699915	0.232323213	TUP1
YLL041C	110.216393	87.0267663	100.714799	94.7240845	94.9983844	84.2511357	-0.120292926	6.57643272	0.227945039	SDH2
YML085C	414.692466	375.907282	413.269622	365.119364	371.262548	371.092359	-0.120341986	8.58999936	0.179017001	TUB1
YDR020C	15.9143001	16.9794286	15.7972131	15.6690901	14.1389914	14.9779797	-0.120350268	3.973969	0.360407294	DAS2
YMR036C	29.3296606	35.8006936	30.141809	28.5591341	31.0145617	28.1482722	-0.12065412	4.93722352	0.295061964	MIH1
YJL003W	5.12940253	7.07955837	3.51049181	5.32157778	6.3294618	4.71289878	-0.120858352	2.37057735	0.635821166	COX16
YCL056C	9.99575877	10.4754441	8.35254947	8.8692963	8.20973693	9.42579756	-0.120906818	3.22485283	0.463098958	PEX34
YFL005W	85.5558037	123.403034	102.348994	105.603755	93.434625	87.2854678	-0.121051604	6.64059935	0.321049572	SEC4
YPR083W	21.6355568	23.8863148	24.1497626	17.8568499	23.6518611	22.6606503	-0.121084292	4.487151	0.369969334	MDM36
YER063W	60.1718373	63.7160254	60.4046694	62.1442028	60.4002074	46.8707468	-0.121111189	5.88489896	0.261868256	THO1
YDR194C	177.622003	205.36475	202.034856	183.712691	177.55185	176.701424	-0.121163152	7.54927313	0.18734692	MSS116
YOL031C	66.813756	76.8966665	73.1755964	66.9336228	66.2384618	66.238824	-0.121196098	6.11973132	0.164595597	SIL1
YDR175C	39.1938962	44.1465144	38.796987	39.970962	36.6831896	35.637262	-0.121298707	5.29328428	0.231387611	RSM24
YGL020C	74.3105751	85.3576022	74.7492652	73.7925452	76.7545246	65.0121791	-0.121379416	6.23144287	0.203743212	GET1
YMR270C	34.2617784	36.4913822	36.0128039	33.8807119	31.4055016	32.8611709	-0.121476911	5.09963729	0.219654483	RRN9
YDR462W	12.100129	13.0655264	12.0446184	12.6535294	9.83865298	11.6854066	-0.121560373	3.5893645	0.43272999	MRPL28
YHR103W	136.586783	142.396971	144.353844	123.992762	134.09237	131.121883	-0.121594226	7.08269449	0.142904183	SBE22
YOR19W	15.2566844	16.2311826	15.5561102	13.1265585	15.3118109	14.8488592	-0.121891637	3.92395071	0.37772314	YOR19W
YER030W	17.6898626	22.7927245	17.6735105	20.9315393	17.5922934	14.9134194	-0.121969404	4.22918439	0.451368237	CHZ1
YNL138W-A	4.7348331	4.6621482	1.87629734	3.72510445	3.32298876	3.29257312	-0.122146519	1.89789704	0.702504694	YSF3
YJR153W	9.27238149	10.5330015	10.8946297	8.10062396	10.0341229	10.1359604	-0.122377685	3.31510368	0.467577563	PGU1
YIL044C	48.9923703	58.1905164	46.7258565	45.6473116	45.349023	50.4861212	-0.12239547	5.62553485	0.245155211	AGE2
YMR130W	39.4569425	54.4492863	41.399593	40.6213771	41.9608776	41.8350467	-0.122480682	5.44083642	0.30980844	YMR130W
YAR002W	75.9546144	90.5377668	81.0439401	74.2064457	80.0775133	73.2113317	-0.12264109	6.30945353	0.180928737	NUP60
YIL051C	546.018323	466.963066	494.61619	466.288471	460.787774	457.473983	-0.122721629	8.91330714	0.189278427	MMF1
YBL061C	90.9482525	92.7249475	97.8700905	76.4533341	89.3949132	92.8376499	-0.122825769	6.4943657	0.186475874	SKT5
YFR025C	57.8701824	68.2055014	53.7468401	55.994824	53.6239166	55.5863815	-0.122832676	5.84914419	0.223187443	HIS2
YPL104W	42.2846901	45.3552195	40.2496043	41.9813358	37.5302259	37.896871	-0.122987728	5.35832944	0.212834025	MSD1
YOR103C	22.7535035	24.4043313	25.5418542	21.2863111	22.5441982	22.9834516	-0.123047304	4.54728522	0.288170557	OST2
YNL076W	45.4412455	54.7946307	48.7232052	42.0404645	45.4793363	49.3885968	-0.123234579	5.57830839	0.236166176	MKS1
YDR288W	15.322446	16.6340843	16.2208932	15.4325756	15.116341	13.6867745	-0.123303026	3.95766438	0.356451664	NSE3
YJR030C	66.8795176	58.2480738	63.4914811	55.5217948	59.3577011	58.2333521	-0.123325204	5.91652018	0.167763054	YJR030C
YLR242C	21.306749	19.8572979	23.4234539	15.2551896	20.589499	23.4999336	-0.123621207	4.37580911	0.435526978	ARV1
YPR044C	777.236006	908.831111	799.605297	910.699344	752.103122	618.487265	-0.123757971	9.63418818	0.337729413	OPH1
YOL049W	134.350889	159.606629	137.514438	127.599609	128.684368	139.837517	-0.123777768	7.10926818	0.183962586	GSH2
YDR404C	66.6822329	45.873236	63.1888525	49.4315447	47.173409	64.6248175	-0.123802586	5.81396857	0.390245743	RPB7
YBR190W	0.19728471	0.23022954	0.12105144	0.17738593	0.06515664	0.25824103	-0.124196	-1.7398427	1	YBR190W
YDR516C	126.327978	121.964099	119.296196	121.982388	108.420653	106.718105	-0.124300068	6.87756375	0.149607958	EMI2
YGR071C	60.6321683	67.8025997	61.3730809	52.0923336	60.7911472	61.3968047	-0.124352155	5.92616863	0.197751595	ENV11
YDR091C	457.634772	417.003255	453.579752	392.436797	402.277109	423.773529	-0.124369673	8.72985204	0.171307014	RLI1
YOR258W	4.27450211	5.8132959	5.26573771	4.90767729	4.6261216	4.58377827	-0.124386878	2.33628569	0.554594068	HNT3
YDR305C	13.0865526	19.5119536	16.4024703	13.6587163	16.3543172	15.0425399	-0.124446042	3.98361835	0.455648522	HNT2
YMR314W	104.297851	116.66882	102.40952	90.6442082	102.295928	103.812894	-0.124642038	6.69324373	0.172173444	PRE5
YBL045C	408.905448	396.340154	390.754053	360.389073	358.035749	378.516788	-0.124710179	8.57848811	0.154571803	COR1
YMR243C	531.024685	417.233485	486.808372	424.307135	424.169741	467.609943	-0.12476209	8.84118688	0.236039063	ZRC1
YDR486C	21.76708	30.9658732	28.0839344	24.3610005	23.3260779	26.5342657	-0.124795059	4.69992233	0.368604431	VPS60
YJR069C	45.8358149	61.5288447	47.6337423	52.1514623	47.4304356	42.6097698	-0.12486256	5.63493062	0.307013716	HAM1
YLR394W	34.5248247	33.7861851	34.1970322	28.1618267	32.9041043	32.5383697	-0.124881741	5.03910722	0.230990695	CST9
YOR020W-A	2.95927069	5.06504989	4.23680046	4.0798763	3.84424189	3.35713338	-0.125037961	2.02425417	0.624027342	YOR020W-A
YKR004C	19.2023787	23.2531836	20.3366422	18.9802941	20.3288724	18.3351131	-0.125141405	4.33703547	0.327774478	ECM9
YJR006W	65.893094	71.6589445	65.1256756	63.6224188	60.3350507	61.8487265	-0.125557063	6.01979829	0.144380396	POL31
YHL019W-A	6.24734923	4.94993512	3.81312041	4.13900494	4.56096496	5.03570007	-0.125652601	2.29335086	0.56697773	YHL019W-A
YCR071C	11.5082749	12.54751	12.6498756	11.3526993	10.8160026	11.4917258	-0.125663893	3.56808255	0.39217414	IMG2

YAL054C	28.2117139	21.3537899	25.2392256	21.9367262	21.7623185	24.7911388	-0.125720543	4.58427655	0.335056299	ACS1
YNL151C	40.3776045	44.4918587	44.9100848	40.5031198	40.3319616	38.155112	-0.125748851	5.37848233	0.187911193	RPC31
YNR047W	88.3177897	66.4787798	86.9149351	71.0726277	76.8196812	73.534133	-0.125882369	6.27226809	0.241490532	FPK1
YDR336W	12.56046	19.8572979	14.7077502	13.2448158	15.8982207	14.1386963	-0.125949289	3.92738768	0.494047999	YDR336W
YJR059W	167.823529	147.116676	157.972131	141.672226	148.491988	143.13009	-0.125985802	7.23982902	0.143226064	PTK2
YKR014C	57.6071361	63.0828941	62.7046467	56.7634963	58.4455081	52.8748507	-0.126240365	5.87568703	0.155888552	YPT52
YIL096C	15.782777	17.9579042	17.128779	14.1908741	15.4421242	17.0439079	-0.126298155	4.03441329	0.363582106	BMT5
YIL092W	16.243108	17.6701172	17.7945619	15.3734469	16.028534	16.0109438	-0.126361727	4.05750061	0.325619728	YIL092W
YGL245W	1153.32643	1159.37841	1155.92022	1074.48568	1066.02782	1036.96685	-0.126475391	10.1135005	0.154712015	GUS1
YKL128C	75.8888528	98.0202269	86.4307293	81.597526	84.6384783	72.3074881	-0.126794402	6.38021358	0.225317868	PMU1
YHR008C	214.974575	217.969818	203.124319	193.173273	191.886311	197.489827	-0.126811718	7.66697778	0.14313357	SOD2
YLR165C	7.62834222	10.1876572	9.38148672	7.98236667	8.27489357	8.71563473	-0.126820599	3.14287233	0.472225808	PUS5
YLR367W	120.080628	141.476053	120.143556	111.812262	116.43492	121.437844	-0.126918302	6.93114609	0.168368588	RPS22B
YPL250C	7.03648808	5.52550897	6.17362352	6.38589334	5.79894116	4.90657955	-0.127159692	2.60720563	0.507876302	ICY2
YGR120C	19.5969481	26.1310529	15.1314302	19.0985514	18.765113	17.8831913	-0.127505829	4.29132052	0.469874941	COG2
YGL018C	5.58973352	9.03650947	8.71570379	7.09543704	6.3201943	8.0054719	-0.127582631	2.92745626	0.551205826	JAC1
YOL094C	29.9215147	38.6210054	32.8654664	31.9885953	31.8615981	29.0521158	-0.127599265	5.02385338	0.279423306	RFC4
YDL080C	42.6134979	43.6284979	41.7022216	37.9605882	39.0288287	40.15648	-0.127630463	5.35667072	0.166302698	THI3
YER099C	72.2062048	81.5012574	69.9677332	72.7282297	68.5447877	63.4627329	-0.127691106	6.16078219	0.171233421	PRS2
YOR092W	96.077655	81.2710278	92.0596213	80.2966959	83.2701888	82.8953703	-0.127929154	6.42779215	0.14760532	ECM3
YDR075W	20.3203254	28.7211352	22.333991	22.6462699	21.4365353	21.3048849	-0.12804435	4.52024367	0.363699462	PPH3
YIL138C	26.6991978	42.1895633	31.3523234	37.0736585	27.3657898	27.3089888	-0.128064866	5.00800074	0.442261307	TPM2
YIL128W	110.808247	116.323475	106.041063	101.87865	102.100458	100.907682	-0.128117425	6.73436889	0.116432523	MET18
YER007C-A	40.9036971	51.3411875	40.0680272	40.0892193	39.6803951	41.3831249	-0.128248527	5.40557627	0.246461597	TMA20
YBR202W	132.641088	134.626724	140.480198	118.316413	127.120609	127.700189	-0.128253439	7.02538951	0.120894141	MCM7
YOR057W	44.7178682	60.2625822	43.3969418	46.5342413	43.4594804	45.8377827	-0.128324659	5.5704898	0.293124889	SGT1
YOL012C	52.0831641	53.4132534	52.233697	48.4263578	49.909988	45.9669032	-0.12846982	5.65732424	0.144158383	HTZ1
YCR028C-A	106.402222	113.445606	109.127875	95.7884001	100.797326	104.458496	-0.128475248	6.71606042	0.119440958	RIM1
YMR308C	539.573689	527.052976	541.826253	480.006316	498.057373	493.111245	-0.128711458	9.00392664	0.140259301	PSE1
YER186C	29.9215147	41.1535304	33.591775	33.3485541	32.3828512	30.0850799	-0.12871426	5.06902206	0.30546723	YER186C
YBR052C	81.675871	93.703423	77.7150255	81.8340405	72.1935596	77.4723087	-0.128740419	6.338257	0.174378647	RFS1
YBR174C	3.35384011	1.84183632	2.84470888	1.8329879	2.01985591	3.48625389	-0.128782276	1.41676021	0.701344301	YBR174C
YOR043W	159.07724	172.211696	166.264155	145.042559	152.14076	157.914389	-0.128992211	7.31202758	0.133007772	WHI2
YPL010W	117.64745	124.554181	108.462092	108.441929	109.463159	102.77993	-0.128994008	6.8076678	0.134697155	RET3
YCR043C	42.9423058	36.0884805	43.8811476	41.6856926	36.422563	34.1523761	-0.129082875	5.29729327	0.253248693	YCR043C
YBL042C	101.601627	81.44437	91.6359413	78.0498075	83.1398755	89.8678781	-0.129342292	6.45493936	0.188630327	FUI1
YPL049C	162.891411	160.067088	168.987812	141.790484	155.528905	152.491328	-0.12935171	7.295365	0.128068321	DIG1
YEL019C	8.02291165	9.43941116	10.4709497	7.80498075	9.83865298	7.94091164	-0.129775681	3.17775089	0.468370038	MMS21
YPR008W	116.529504	119.546689	117.359373	106.017655	108.616123	108.396672	-0.12994672	6.81855734	0.102297513	HAA1
YOR261C	109.098446	137.389478	115.664652	111.280104	113.502871	106.266183	-0.13006827	6.85401278	0.179983217	RPN8
YHR171W	24.5290659	30.5054141	23.7866083	25.3070588	22.4790416	24.2746567	-0.130088158	4.660694	0.310182639	ATG7
YJR013W	57.2783282	51.3987449	54.1705201	48.4854864	49.5190481	50.7443622	-0.130125333	5.70183037	0.144643207	GPH14
YMR244W	2.56470126	2.41741018	2.60260599	2.01037383	2.73657898	2.19504875	-0.130274236	1.3455096	0.649136716	YMR244W
YGR112W	18.4790014	19.1666093	17.9761391	18.1473062	18.5044864	15.1716605	-0.130326768	4.15947544	0.319189318	SHY1
YNR055C	194.391203	155.577612	184.603448	153.557083	164.585678	170.180838	-0.13035071	7.41436402	0.19384504	HOL1
YBR089W	34.1960169	43.8587275	31.5339005	31.9294667	30.8190918	37.4449492	-0.130495277	5.13361015	0.326647872	YBR089W
YLL054C	46.9537616	52.0318762	53.0205314	45.5290543	49.0629516	44.3528967	-0.130502735	5.60366774	0.166897515	YLL054C
YKL099C	24.9236354	29.2391517	26.5707914	27.0217894	24.3034276	22.4024093	-0.131020037	4.69434684	0.277543558	UTP11
YHL039W	127.840494	119.776918	121.293544	111.339233	109.984412	115.4983	-0.131072189	6.87951001	0.106603708	FEM1
YPL174C	42.0216438	39.3116941	40.7943358	36.659758	35.2497435	39.5754377	-0.13111346	5.28753321	0.17471751	NIP100
YBR066C	15.1251613	20.4904291	13.3761843	17.0290489	15.8330641	11.8790873	-0.131290563	3.97966458	0.492191333	NRG2
YJL045W	8.48324264	7.71268961	8.53412663	7.39108025	6.90660408	8.26371293	-0.131347236	3.00071102	0.427852221	YJL045W
YOL025W	30.4476073	31.3112175	29.3549746	28.8547773	28.7992359	25.5013016	-0.131561639	4.8667657	0.218865766	LAG2
YLR027C	604.08579	479.395461	548.665659	479.237643	501.054579	509.31587	-0.131751029	9.0234686	0.19555019	AAT2
YNL100W	25.0551585	27.9728892	25.6023799	24.2427432	23.9124877	23.6290542	-0.13213629	4.65564052	0.23464921	MIC27
YGR114C	18.4790014	16.2311826	16.3419446	16.7334057	16.2891606	13.4930938	-0.132138346	4.03432746	0.345929495	YGR114C
YBR171W	59.1854138	68.147944	53.32316	60.1929576	55.0573627	49.5822776	-0.132156407	5.85120542	0.226199305	SEC66
YJL204C	39.7199888	50.8231711	44.002199	34.5311269	44.6974566	43.7072942	-0.132156698	5.42775923	0.284697928	RCY1
YDL099W	33.0780701	37.815202	35.3470209	32.3433672	31.7312848	32.9257312	-0.132230869	5.08794001	0.195747766	BUG1
YMR255W	17.16377	17.3247729	16.9472018	12.2987575	17.5922934	17.1084682	-0.132319116	4.04584129	0.402075294	GFD1
YLL045C	1833.69564	2158.11416	1725.76988	2105.98484	1710.49217	1399.7955	-0.132372246	10.8316819	0.336428956	RPL8B
YGR068C	57.6071361	53.7010403	60.2230922	45.5290543	55.187676	55.8446225	-0.132374141	5.77592342	0.194256838	ART5
YOR003W	18.3474783	17.9003468	17.4919333	16.2012479	15.7027508	17.1084682	-0.132530227	4.10855647	0.293472474	YSP3
YLR193C	25.8442974	21.3537899	21.1840023	20.1628669	20.1334025	22.0150477	-0.13269374	4.45241933	0.292347446	UPS1
YHR022C	11.3767518	10.8207884	11.499887	10.2292551	9.77349634	10.7170027	-0.132804801	3.44107191	0.369385223	YHR022C
YER148W	63.131108	81.3861426	64.9440984	63.3267756	60.7911472	67.013547	-0.132970964	6.06421979	0.209592825	SPT15
YPR201W	7.16801122	8.17314869	7.32361222	6.56327926	6.90660408	7.23074881	-0.133310221	2.87905307	0.434812676	ARR3
YPL084W	112.18924	116.726377	109.975235	100.991721	104.120314	103.877454	-0.133491096	6.75634496	0.097143188	BR01
YJL138C	1636.01636	1346.38235	1549.76108	1315.55316	1366.79088	1448.73217	-0.133659101	10.4958347	0.188607917	TIF2
YDR409W	72.1404432	67.7450423	64.823047	57.2365255	62.28975	67.0781073	-0.133750759	6.02973935	0.146675074	SIZ1
YEL032W	218.657223	215.207063	237.079248	203.934686	202.832627	204.720576	-0.133861729	7.74057242	0.128583386	MCM3
YML121W	52.872303	55.0248602	51.4468627	55.9356953	45.5444929	43.6427339	-0.13390899	5.66932618	0.204665088	GTR1
YDR191W	17.3610547	17.3823303	15.3130074	15.4325756	16.0936906	14.0741361	-0.134138106	4.00625088	0.321080596	HST4

YLR275W	5.45821038	4.48947604	3.08681176	4.43464815	3.77908525	3.61537441	-0.134161026	2.09265787	0.581298177	SMD2
YPR143W	25.2524432	34.2466442	30.3839118	29.2686778	29.0598624	23.6290542	-0.134222348	4.8477434	0.320893486	RRP15
YPL038W	11.3767518	10.8207884	11.3183098	9.2831968	10.4250628	10.8461232	-0.134292724	3.43255437	0.377667539	MET31
YLR364W	5.58973352	5.4103942	5.62889203	5.02593457	5.40800131	4.71289878	-0.134305525	2.43837765	0.470096249	GRX8
YOL069W	30.3160842	30.7356437	30.2628604	27.5539472	27.7567296	27.8900311	-0.134409953	4.86858659	0.183755698	NUF2
YMR228W	25.6470126	30.6780863	24.5734426	26.4896316	24.8898373	22.337849	-0.134420925	4.69569996	0.286448432	MTF1
YJL193W	66.0903787	57.0969261	67.6677558	50.4958603	58.3151948	65.0767393	-0.134536121	5.92828075	0.214106205	YJL193W
YOL040C	1184.43165	1048.86823	1030.32935	1142.54275	981.128719	849.096504	-0.134601526	10.0217188	0.24666497	RPS15
YPR101W	10.9821823	15.1951497	12.9525043	9.9927405	11.5327257	14.2032566	-0.134735954	3.65656211	0.46929941	SNT309
YCL007C	4.60330996	3.91390219	4.23680046	3.19294667	4.6261216	3.80905518	-0.134748807	2.06245492	0.553459607	YCL007C
YHR184W	2.69622441	6.73421406	3.32891464	3.37033259	4.75643489	3.55081415	-0.134765758	2.0772986	0.694600954	SSP1
YMR166C	27.1595288	26.2461676	26.5707914	26.1348598	23.7821744	22.8543311	-0.134902727	4.67750199	0.224597437	YMR166C
YPL131W	3036.73782	2820.25431	2876.66646	2580.84697	2668.35997	2704.75198	-0.134908349	11.4415892	0.138907884	RPL5
YHR154W	124.092084	108.898573	118.872516	108.85583	108.746436	102.715369	-0.135016035	6.80928281	0.114199326	RTT107
YAL046C	22.6219804	23.1380688	21.4866309	24.9522869	18.6347997	17.56039	-0.135168036	4.42934919	0.344753486	AIM1
YLR203C	171.374654	138.943528	162.753663	142.38177	142.888516	145.325139	-0.135350093	7.23574663	0.14872025	MSS51
YIR034C	52.7407798	52.6650074	53.8073658	46.7707558	50.3660845	47.8391506	-0.135501742	5.66741182	0.121622752	LYS1
YKL130C	26.2388668	31.7141192	26.0865857	24.8340296	23.5215479	28.2128324	-0.135599228	4.74988626	0.278311345	SHE2
YLR021W	13.020791	18.7061502	11.923567	14.7821605	13.2267984	11.7499668	-0.135629968	3.813177	0.470474587	IRC25
YCR095C	19.7942328	25.4403642	21.6076823	20.6950247	20.7198122	19.4971977	-0.135667621	4.42206345	0.295830118	OCA4
YKL168C	45.3754839	46.3912524	49.8731939	42.7500082	43.6549503	42.5452095	-0.135726801	5.49916449	0.134203954	KKQ8
YOR269W	39.3254194	40.347727	41.9443245	35.7728284	35.70584	39.2526364	-0.135809707	5.27995167	0.158147765	PAC1
YMR245W	9.86423563	12.0870509	11.5604127	10.9979274	8.86130335	10.6524424	-0.135893065	3.4348433	0.407601563	YMR245W
YHR157W	3.09079383	2.93542664	2.48155455	2.42427432	2.15016919	3.16345261	-0.136022631	1.5006365	0.617450259	REC104
YMR271C	8.15443479	7.65513222	8.17097231	8.27800988	7.16723065	6.32690521	-0.136100056	2.955486	0.18145893	URA10
YMR253C	43.7314446	39.7721531	45.6363935	37.7240736	38.8985154	40.8666428	-0.136214884	5.36540849	0.163803729	YMR253C
YGL060W	39.5884657	47.6575149	45.0311363	37.664945	42.0260343	40.8020826	-0.136275916	5.40137925	0.190214613	YBP2
YDR417C	766.648393	886.959305	756.14783	711.967978	740.635553	739.989669	-0.136310349	9.58345103	0.159376154	YDR417C
YJR119C	20.7148948	26.5339546	22.757671	20.3993815	22.0881017	21.3048849	-0.1363475	4.48800131	0.288114112	JHD2
YPL034W	4.80059467	8.57605039	6.59730357	5.08506321	6.64597751	6.52058598	-0.136425389	2.70295896	0.565458502	YPL034W
YOR090C	89.5672595	89.7895208	86.3096779	76.9854919	83.9869119	80.7648818	-0.136474247	6.40412751	0.095927882	PTC5
YLR169C	148.884196	120.985624	137.030232	129.373469	119.451981	119.178235	-0.136490022	7.01792655	0.145351136	PSD1
YER079C-A	14.862115	14.8498054	12.7709271	11.1161847	12.575232	14.9779797	-0.136946669	3.76994626	0.388470694	YER079C-A
YJL160C	4.66907153	5.12260728	5.20521199	4.19813358	5.01706145	4.45465775	-0.137067618	2.29376526	0.482738251	YJL160C
YFL022C	466.052253	463.682295	457.332346	418.808171	421.172536	421.320239	-0.13712066	8.78634218	0.113292269	FRS2
YDL089W	44.3232988	51.110958	45.1521877	44.3464815	40.7229014	42.8034506	-0.137170282	5.48819324	0.157418948	NUR1
YBR019C	27.0280056	19.9724126	22.5760939	17.2655635	18.274752	24.1455362	-0.137513579	4.47429071	0.371591028	GAL10
YLR172C	174.070878	181.420878	157.911606	161.894222	156.571411	148.230351	-0.137531893	7.35301104	0.127441763	DPH5
YLR360W	36.4319103	46.7365967	36.9206897	36.3641148	36.3574064	36.5411056	-0.137570007	5.26194536	0.227565244	VPS38
YOR319W	8.28595793	12.8352969	7.2630865	8.27800988	8.86130335	8.71563473	-0.137623314	3.19919438	0.535815121	HSH49
YNL178W	1768.98626	2493.15569	1845.73186	2193.61349	1816.63234	1541.69894	-0.137680089	10.9244278	0.345843981	RPS3
YHL040C	66.6164713	62.1044186	87.3991408	57.9460692	61.7033402	76.8267061	-0.137793892	6.10608338	0.302389914	ARN1
YKL032C	126.788309	132.669773	150.285365	113.113092	128.032802	131.380124	-0.1378254	7.02794317	0.148990824	IXR1
YKR077W	38.8650884	45.4703343	44.2443019	38.6110032	37.4650693	40.8666428	-0.137935074	5.35967598	0.171229154	MSA2
YJL053W	38.010188	47.3121706	36.4364839	40.6805057	35.70584	34.2814966	-0.137996986	5.28135445	0.249327188	PEP8
YGR227W	86.0161347	71.9467314	80.4992087	63.2085183	73.6270058	79.8610382	-0.138102121	6.24719457	0.182954857	DIE2
YPR071W	22.3589341	21.2386751	23.1208253	16.9699203	21.2410654	22.4669695	-0.138287073	4.4157864	0.301396836	YPR071W
YPL129W	69.6415035	82.940192	67.5467044	71.8413	66.3294618	61.8487265	-0.138364105	6.13286013	0.170341574	TAF14
YMR210W	61.0924993	68.4932883	59.1336292	61.3755304	54.4709529	55.5863815	-0.138520436	5.991096129	0.141793991	YMR210W
YER163C	31.4340309	37.4123003	35.9522782	32.047724	29.7765855	33.4422133	-0.138596645	5.06551633	0.205621244	GCC1
YDR437W	4.60330996	3.74123003	5.14468627	4.49377679	3.97455518	3.74449492	-0.138674382	2.14027684	0.520613433	GPH19
YDR296W	33.0780701	33.0954965	31.1707462	33.6441973	28.1476695	26.5342657	-0.138780816	4.95815454	0.22599791	MHR1
YDR252W	8.41748107	6.90688622	10.2893725	6.79979383	7.49301386	8.97387576	-0.138926688	3.04627783	0.485249399	BTT1
YDR357C	7.82562693	9.26673901	8.35254947	7.39108025	7.62332714	8.13459242	-0.139157542	3.04103761	0.395343466	CNL1
YMR069W	5.91854138	5.23772205	6.65782929	5.08506321	4.82159153	6.26234495	-0.13934284	2.53221612	0.492911648	NAT4
YDR247W	39.2596578	31.9443488	34.4391351	30.2147361	33.4905141	32.1510081	-0.139395975	5.07426218	0.208553916	VHS1
YDR099W	285.142171	358.006936	280.960396	285.413955	290.533468	263.083048	-0.139481579	8.19970164	0.196150676	BMH2
YLR118C	52.6092567	56.5789096	58.4678463	50.2002171	47.4340356	54.6179776	-0.139525754	5.74018865	0.136584463	YLR118C
YNL182C	75.0339524	94.5667838	76.9281911	65.1006349	76.233274	82.6371293	-0.139529709	6.29554694	0.214396056	IPJ3
YBL081W	74.7051445	62.4497629	79.8939514	44.3464815	70.4994869	82.2497678	-0.139557076	6.1107896	0.414963395	YBL081W
YML055W	40.1803198	48.5208757	44.7285077	44.9968966	37.0741294	39.0589556	-0.139559434	5.41212533	0.200302467	SPC2
YOL136C	200.309745	169.506499	217.408389	148.531149	188.433009	196.134062	-0.139622222	7.54550721	0.24827865	PKF27
YNL137C	85.4242806	97.0993087	88.5491295	89.0477349	84.8991049	72.1138074	-0.139670572	6.43188941	0.151872403	NAM9
YDR225W	191.563456	212.84721	187.508683	225.871412	177.877633	133.446052	-0.139761947	7.55727361	0.339700785	HTA1
YLR051C	21.8328415	26.7641841	23.7866083	22.1732408	22.5441982	21.0466439	-0.139804109	4.53397206	0.25319709	FCF2
YMR180C	11.7713212	18.2456911	12.6498756	12.5352721	12.379762	13.8804553	-0.139965583	3.7789305	0.438430338	CTL1
YDL188C	120.066721	99.7469485	113.243624	96.4979438	94.4119746	111.753805	-0.140051079	6.73000154	0.155576804	PPH22
YOR165W	148.62115	152.124169	146.895924	137.947122	134.809093	133.446052	-0.140112509	7.15420678	0.08304374	SEY1
YGR064W	13.6126452	13.9864446	14.5866987	12.2396289	10.9463159	15.1071002	-0.140199215	3.75921576	0.371854954	YGR064W
YBR130C	53.9244881	56.6940244	52.8389543	51.9740763	48.7371684	47.5809096	-0.140238912	5.70307351	0.115955947	SHE3
YNL034W	2.23589341	2.12962325	1.87629734	1.89211654	2.15016919	1.61400643	-0.140386244	1.07478438	0.605382542	YNL034W
YDL282W	11.7713212	12.3748378	11.9840927	9.9927405	11.1417858	11.6854066	-0.140433878	3.53798514	0.346036268	POP3
YDR537C	19.1366171	14.6195758	21.4866309	12.6535294	18.569643	18.9161554	-0.140533538	4.14235349	0.451331441	YDR537C

YLR323C	10.3245666	9.72719809	10.6525269	9.10581087	8.66583342	10.0714001	-0.140645857	3.30473516	0.366744287	CWC24
YMR266W	392.004724	331.990997	399.046077	304.689892	353.996037	359.987994	-0.140725755	8.48001209	0.179966171	RSN1
YDR069C	68.7208416	67.1694685	66.6388186	59.3060279	63.7883528	60.6220816	-0.140781428	6.01116234	0.092685477	DOA4
YIL037C	12.4946985	11.2236901	14.949853	9.81535457	11.7933522	13.4930938	-0.14078724	3.63320648	0.430121841	PRM2
YKL189W	19.5311865	19.4543962	16.2814189	16.2603766	16.6801004	17.1730284	-0.141186795	4.1445997	0.287456712	HYM1
YDR366C	8.94357364	8.57605039	7.62624082	7.98236667	7.42785722	7.35986933	-0.141188921	3.02014439	0.38790525	YDR366C
YJR063W	39.1281347	44.088957	38.796987	36.5415008	37.3999127	36.7347864	-0.141578368	5.28233552	0.148874685	RPA12
YBR106W	380.95678	471.04964	396.443471	375.230362	387.030455	369.349232	-0.141899057	8.63235116	0.157844274	PHO88
YLR059C	71.0882581	64.5218287	70.2098361	58.9512561	62.6806899	64.8830585	-0.142002288	6.03353996	0.104344931	REX2
YNL314W	11.639798	10.9359032	11.0156812	9.93361186	10.0992796	10.3942014	-0.142174566	3.43187947	0.343929664	DAL82
YER009W	243.778143	210.026898	230.663522	200.978254	210.651424	208.529631	-0.142195473	7.76520983	0.121653147	NTF2
YNL001W	30.0530379	38.9663497	33.9549294	31.6338235	32.3176946	29.4394773	-0.142324019	5.03893983	0.225462196	DOM34
YGL112C	100.549442	119.661804	109.309452	103.17948	99.4941927	95.9365423	-0.142471904	6.7119837	0.111123443	TAF6
YOL157C	5.58973352	5.8132959	5.56836631	5.49896371	5.47315795	4.39009749	-0.142659862	2.46447578	0.451850631	IMA2
YBR062C	13.8756915	21.066003	13.7393386	14.8412891	15.1814976	14.1386963	-0.142662805	3.96585106	0.430843141	YBR062C
YPR106W	54.253296	44.7796456	51.5679141	40.5031198	45.5444929	50.3570007	-0.142704847	5.58310483	0.190321406	ISR1
YEL010W	0.32880785	0.11511477	0.60525721	0.41390049	0.19546993	0.32280129	-0.142715105	-1.1382696	0.873311469	YEL010W
YEL075W-A	5.45821038	5.06504989	6.77888073	3.31120395	7.16723065	5.22938084	-0.143193875	2.48762599	0.605564001	YEL075W-A
YMR183C	104.626659	109.128802	107.191052	97.621388	97.2137103	95.8074218	-0.14320801	6.67333847	0.071269212	SSO2
YIR030W-A	3.68264797	3.91390219	3.44996609	2.9564321	3.64877197	3.42169363	-0.143222651	1.86191618	0.545792359	YIR030W-A
YOR111W	10.9164208	18.2456911	11.1367326	14.1317454	12.4449187	9.94227962	-0.143229285	3.69699295	0.511817088	YOR111W
YJL055W	91.7373914	89.6168487	91.3333127	82.6027129	78.5789106	85.6714614	-0.143424315	6.43825708	0.078488831	YJL055W
YNL193W	43.2053521	49.0388921	42.7311589	41.5674353	39.6803951	40.9957634	-0.143473228	5.42657316	0.135976795	YNL193W
YNL211C	1.5782777	2.7051971	2.11840023	2.2468884	1.75922934	1.8076872	-0.143473886	1.12067143	0.633051956	YNL211C
YDL002C	15.9143001	20.7206587	17.4919333	17.3246921	16.5497817	17.11716605	-0.143483459	4.11631926	0.319844667	SNF8
YLO088C	69.3126957	87.5447828	74.6887395	62.439846	70.6949569	76.6330254	-0.143700724	6.20337675	0.18021689	ASM4
YJL146W	36.3003871	38.2756611	37.5259469	36.1867289	33.2298876	32.0218876	-0.143796989	5.15901366	0.145626055	IDS2
YBL018C	6.37887237	11.3963623	5.8104692	7.50933754	6.71113415	7.16618856	-0.143862796	2.93553268	0.570909703	POP8
YMR284W	21.8328415	26.9368562	22.6971453	20.2811242	21.1759087	23.3062529	-0.144146699	4.51359787	0.259687115	YKU70
YLR411W	9.66695092	7.42490268	9.0183324	7.56846618	7.49301386	8.52195396	-0.144438551	3.06962355	0.394910766	CTR3
YNL011C	30.8421767	34.4768737	29.9602318	28.2043622	29.5159589	28.5356337	-0.144530125	4.92548861	0.174869766	YNL011C
YIR011C	54.8451501	66.651452	61.130978	47.4211709	57.9894116	59.976479	-0.144584234	5.86127581	0.188751737	STS1
YGL117W	7.16801122	8.1155913	7.14203505	7.68672346	6.05956773	6.52058598	-0.144682472	2.85888246	0.410592718	YGL117W
YMR059W	4.14297896	5.06504989	4.84205766	4.67116272	3.90939854	4.13185646	-0.144870591	2.20079125	0.472554341	SEN15
YNL284C	63.2626312	75.0548302	70.3914133	61.3164018	63.5277262	64.0437752	-0.144970905	6.05324446	0.111412867	MRPL10
YHR052W	79.2426929	114.539196	90.6675298	74.6794749	88.0266237	94.7098974	-0.145050056	6.4991524	0.256553813	CIC1
YPR184W	73.7844825	59.3416641	69.4230018	63.0311324	60.3350507	59.6536777	-0.14512558	6.00846827	0.13171816	GDB1
YEL038W	91.6058682	75.4001745	80.9834144	79.0549944	73.275892	73.275892	-0.145625367	6.2998267	0.118711901	UTR4
YMR024W	67.2083254	75.9757484	69.8466818	55.8174381	67.567438	69.3377163	-0.14574491	6.08216075	0.148965893	MRPL3
YGR075C	13.020791	18.5910354	15.615636	8.92842494	16.6149438	17.2375887	-0.145781005	3.91855769	0.523350326	PRP38
YGR277C	36.8264797	48.7511052	42.0048502	40.2074766	38.246949	36.9284672	-0.146048489	5.34510726	0.198623892	CAB4
YLO030W	646.107434	491.655184	609.736111	534.70031	527.443019	516.93398	-0.146096529	9.11514099	0.176183273	GAS5
YOR327C	13.8756915	18.3608059	13.6182872	15.196061	11.663039	14.5906181	-0.146253909	3.87794002	0.385092288	SNC2
YMR204C	18.3474783	17.8427894	16.8261504	16.851663	17.0058836	14.0095758	-0.146367005	4.08258524	0.278819123	INP1
YDR068W	20.7148948	24.8647904	22.5760939	24.0653573	19.0908962	18.3996733	-0.146374176	4.44446115	0.288424298	DOS2
YML050W	10.0615203	13.3533134	11.2577841	9.9927405	10.4902194	10.9106835	-0.146419362	3.47895887	0.370933279	AIM32
YOR040W	29.5269453	26.8217415	32.1996835	23.3558136	26.77938	29.8913991	-0.146637556	4.81805741	0.2397963	GLO4
YJR100C	24.0029734	31.4263323	22.2734653	26.5487603	22.2835717	21.3694452	-0.146646819	4.63270192	0.320429873	AIM25
YMR030W	10.7191361	11.799262	10.8946297	10.3475124	9.44771313	10.3942014	-0.146740504	3.4241627	0.332011846	RSF1
YBR013C	7.03648808	6.79177145	6.23414924	6.85892247	5.21253138	6.00410393	-0.146766483	2.69775807	0.432246395	YBR013C
YIL093C	22.1616494	19.5695109	21.4866309	17.0290489	20.1985591	19.8845592	-0.146833466	4.33387512	0.247734285	RSM25
YGR074W	25.4497279	27.3973153	23.4839797	20.6950247	24.6292108	23.6936144	-0.146840113	4.60571652	0.229652249	SMD1
YCL059C	57.7386592	63.8311401	61.3730809	52.9201346	55.2528326	57.1358277	-0.147153844	5.86232433	0.094629814	KRR1
YDR108W	44.8493913	54.9673028	50.7810797	42.9273941	47.173409	46.0314634	-0.147252964	5.58277759	0.14511123	TRS85
YAL027W	7.43105751	9.6696407	8.65517807	7.92323803	8.14458028	7.23074881	-0.147289228	3.05577972	0.397613151	SAW1
YNR056C	8.48324264	6.67665668	8.35254947	5.67634963	7.23238729	8.32827319	-0.147389996	2.91928189	0.454890606	BIO5
YAR030C	1.84132398	2.35985279	2.36050311	2.66078889	1.56375941	1.67856669	-0.14758183	1.14783321	0.604705937	YAR030C
YOR283W	33.406878	47.1970558	37.0417411	39.5570615	35.51037	31.1826043	-0.147607851	5.22805167	0.274590547	YOR283W
YNL200C	45.9015765	42.8802519	48.3600509	42.9273941	39.0288287	41.7704864	-0.147690888	5.44648763	0.120143401	YNL200C
YPL122C	46.6249537	57.4422704	48.6021538	40.798763	47.7598188	49.3885968	-0.147944108	5.60197444	0.180868793	TFB2
YNL189W	331.96441	334.293293	323.933658	295.465824	300.893374	297.299985	-0.147996367	8.2950957	0.085423271	SRP1
YNL119W	34.9851557	54.5644011	44.4258791	34.2354837	42.5472874	44.2883365	-0.148004391	5.41465176	0.317185351	NC52
YLR408C	4.60330996	6.04352544	4.05522329	4.90767729	4.56096496	3.80905518	-0.148010698	2.26364487	0.511028925	BLS1
YPL208W	74.7709061	82.3646181	74.567688	69.7126689	71.6723065	67.7882701	-0.148032429	6.2019314	0.081341576	RKM1
YDR209C	34.5248247	53.9312699	33.168095	33.9989692	35.51037	40.3501608	-0.148143213	5.27557798	0.358982372	YDR209C
YHR174W	227.127971	17130.8621	21033.2932	19872.1905	18107.096	16954.1046	-0.14820881	14.2364503	0.202538538	ENO2
YEL050C	84.8324264	86.5087499	81.1649916	77.3402637	74.1482589	76.3102241	-0.14844391	6.32521721	0.06755383	RML2
YBR253W	7.03648808	8.97895208	7.62624082	8.10062967	6.71113415	6.52058598	-0.148487444	2.93366535	0.408200771	SRB6
YIL116W	169.072999	179.866829	165.053641	164.318496	152.922639	146.422663	-0.148579882	7.34946443	0.092965651	HIS5
YLR285W	44.2575372	60.3201396	48.117948	41.6856926	45.4793363	50.679802	-0.1491956	5.60190294	0.221692136	NNT1
YCL030C	895.014979	749.915171	832.591815	813.077956	733.533479	687.114818	-0.149348032	9.61715812	0.149808758	HIS4
YKL035W	680.763782	545.586454	623.233347	556.755293	542.624517	568.130264	-0.149405407	9.19547664	0.137839946	UGP1
YJR145C	1799.56539	1938.64785	1744.23022	1635.6165	1616.99239	1690.31666	-0.149465651	10.7629597	0.106496177	RPS4A

YJL131C	15.9143001	17.785232	16.039316	15.7873474	14.8557144	14.2032566	-0.149534421	3.99115579	0.262208837	AIM23
YGR214W	1945.1615	1707.55494	1951.04661	1511.50548	1664.75221	1875.47547	-0.149621178	10.794435	0.161769537	RPS0A
YGL248W	37.6156185	42.4197928	36.5575354	38.8475178	33.8162973	32.4092491	-0.149722574	5.21299606	0.169249262	PDE1
YGL123W	4078.53263	3915.57135	4262.94757	3637.29841	3624.27307	3787.16925	-0.149728745	11.9234848	0.101583263	RPS2
YBL087C	855.952606	788.01816	864.125716	828.628789	731.057526	700.930713	-0.149799861	9.63466461	0.129501449	RPL23A
YAL063C	42.8107826	36.8367265	45.9390221	35.4771852	39.3546119	38.3487928	-0.149888486	5.3186167	0.164096156	FLO9
YCL031C	57.6071361	68.4932883	60.2230922	52.3288482	55.3831459	60.3638405	-0.149897493	5.88758563	0.127031309	RRP7
YDL025C	66.4849481	69.9322229	65.4888299	61.6711736	60.7911472	59.5245572	-0.149952149	6.00261425	0.072413303	RTK1
YML041C	11.8370828	17.4974451	11.3183098	11.3526993	12.575232	12.7829309	-0.150027196	3.70458289	0.423511215	VPS71
YPL115C	122.119237	126.33846	127.890848	111.398362	111.548172	116.273023	-0.150038953	6.89956645	0.062245665	BEM3
YGL235W	2.95927069	1.84183632	3.2078632	0.94605827	2.73657898	3.55081415	-0.150201007	1.40103058	0.714370511	YGL235W
YGR128C	124.223607	156.210743	134.124997	111.280104	129.792031	132.671329	-0.150236079	7.03914525	0.148825549	UTP8
YLL033W	10.1930435	9.38185378	9.98674393	7.15456568	8.99161663	10.5233219	-0.15026245	3.24538094	0.415046503	IRC19
YJL195C	5.65549509	7.19467314	6.59730357	5.49896371	6.45050758	5.61674238	-0.151105628	2.65569457	0.422745804	YJL195C
YPR062W	95.4200393	90.2499799	102.348994	91.2354946	84.4430084	83.6055332	-0.151154764	6.51331649	0.080730076	FCY1
YGL036W	121.658906	116.381033	109.733132	98.271803	106.987207	107.88019	-0.151427365	6.78489353	0.076124101	YGL036W
YCL028W	198.468421	217.106457	192.592844	153.143183	185.631274	208.916993	-0.151437846	7.59067834	0.180104549	RN01
YER161C	32.2231697	33.9012998	35.9522782	32.1068526	28.6689226	31.118044	-0.151463619	5.02087186	0.146497107	SPT2
YHR213W	5.45821038	4.31680389	4.23680046	5.08506321	3.84424189	3.61537441	-0.151570104	2.18651959	0.487750397	YHR213W
YOR094W	19.2681403	18.0154615	18.8234992	17.502078	18.3741731	14.5906181	-0.151870828	4.16094406	0.26278417	ARF3
YBR154C	48.9266087	56.3486801	51.2652855	47.4802995	49.909988	43.5781737	-0.151891148	5.63589015	0.117996526	RPB5
YDR286C	5.72125667	7.30978791	4.29732618	4.73029136	5.8640978	5.03570007	-0.152110827	2.4912264	0.509348063	YDR286C
YPL225W	31.7628387	58.132959	36.9812154	46.1794694	40.5274315	27.5026696	-0.152156719	5.33532762	0.463413546	YPL225W
YML095C	8.54900421	9.49698655	8.47360091	7.80498075	8.07942364	8.0054719	-0.152196304	3.09283615	0.335450586	RAD10
YKL208W	9.99575877	11.9143787	10.834104	10.3475124	8.86130335	10.2650809	-0.152551762	3.39364859	0.338929466	CBT1
YPR060C	44.1917756	62.5073203	44.0627247	43.4595519	44.1110468	48.1619519	-0.152749658	5.58196071	0.23946819	AR07
YGR275W	20.9121795	20.6631013	17.6129848	21.7593403	17.2665102	14.1386963	-0.152782891	4.23789738	0.350655326	RTT102
YOR107W	35.9715793	42.9378093	41.2180159	29.8008356	37.5302259	40.8666428	-0.15283483	5.25475927	0.223768483	RGS2
YGR008C	6.57615709	8.80627993	5.99204636	7.92323803	6.25503766	5.03570007	-0.1529678	2.78968192	0.495475664	STF2
YMR146C	341.762884	402.211007	349.959718	305.635951	328.780417	349.593793	-0.152972478	8.43654403	0.122849402	TIF34
YDL104C	12.56046	14.2742315	15.0709045	12.1213716	12.5100753	13.1057322	-0.152998024	3.74490596	0.287133694	QR17
YCL024W	67.6028949	63.8311401	69.9072075	58.1234551	60.2698941	62.6880098	-0.1530329	5.99681268	0.074964368	KCC4
YML021C	38.7993268	35.6280214	39.9469757	31.1016657	35.3800567	36.4119851	-0.153039096	5.18292826	0.144173049	UNG1
YCR096C	0.32880785	0.92091816	0.84736009	1.41908741	0	0.4519218	-0.153107952	-0.3156492	0.83913914	HMRA2
YHL036W	39.3254194	30.5629715	34.7417637	30.2738647	29.7765855	33.9586953	-0.153173435	5.05371611	0.192858374	MUP3
YJL156C	91.1455372	100.38008	96.5990504	82.1888124	88.8085034	88.1893114	-0.153391018	6.51334249	0.069424218	SSY5
YGL238W	364.976718	354.898837	377.438395	310.661885	337.05531	338.74767	-0.153695429	8.44052848	0.086371265	CSE1
YDR492W	155.854923	135.317412	168.32203	116.424296	143.735553	152.749569	-0.154391388	7.18491711	0.1723393	IZH1
YLR258W	243.843905	198.227634	217.892595	218.421204	190.322552	184.061293	-0.154400836	7.70678709	0.139544018	GSY2
YNL248C	163.022934	195.867782	165.779949	150.718908	163.803799	157.010546	-0.154456667	7.3765475	0.107984284	RPA49
YJL183W	187.486239	170.542532	184.966603	157.932603	163.282546	166.565464	-0.154610541	7.42554828	0.076207849	MNN11
YML125C	178.674188	181.420878	170.622007	165.382812	154.747025	156.558624	-0.154764892	7.39261995	0.069769581	PGA3
YMR289W	38.470519	39.5419236	38.9180385	35.181542	35.9664665	33.8941351	-0.154849099	5.21436638	0.099657945	ABZ2
YDL121C	42.1531669	52.7225648	37.0417411	50.9688894	36.1619365	31.3117248	-0.154868704	5.38880672	0.351564217	YDL121C
YMR012W	722.390856	712.675543	674.377581	624.102816	636.580395	633.981726	-0.154915077	9.38257474	0.082200684	CLU1
YEL053C	79.5057392	77.7024699	81.1649916	66.9336228	71.0207401	76.1811036	-0.1550318	6.23916254	0.069620012	MAK10
YNL177C	40.0487967	44.1465144	39.46277	36.7188867	37.6605392	36.7347864	-0.155044162	5.2951011	0.107011907	MRPL22
YLL042C	2.10437027	2.93542664	2.05787451	2.42427432	1.88954263	2.06592823	-0.155201795	1.25189401	0.574095019	ATG10
YER092W	10.3245666	13.4684281	11.2577841	9.81535457	11.2069425	10.5233219	-0.155265333	3.49002879	0.339998701	IES5
YML128C	65.2354783	61.2410578	60.7678237	60.8433726	55.7740858	51.3899648	-0.155348464	5.89093695	0.091871569	MSC1
YER046W-A	2.30165498	2.41741018	1.51314302	1.77385926	1.04250628	2.77609106	-0.155524461	1.06740226	0.678119668	YER046W-A
YDL006W	22.1616494	27.7426596	23.4839797	24.0062287	21.1107521	20.7884028	-0.155641304	4.54636556	0.226236812	PTC1
YKL044W	2.0386087	1.43893463	1.08946297	1.53734469	0.84703635	1.67856669	-0.155660103	0.64115887	0.704668675	YKL044W
YDL157C	25.0551585	35.5129066	26.7523686	27.080918	27.5612597	23.8227349	-0.155675734	4.79626962	0.267673416	YDL157C
YKL009W	83.056864	110.337507	87.7622952	85.6182736	83.7262853	83.1536114	-0.15575266	6.4772937	0.137997143	MRT4
YIL034C	176.964387	155.807842	163.722075	134.10376	152.14076	159.205594	-0.156534193	7.29552467	0.097598118	CAP2
YOR278W	24.9893969	32.4623652	25.2392256	27.3174326	23.9124877	22.9834516	-0.156534389	4.71729047	0.239716036	HEM4
YGL243W	20.6491333	27.2822006	23.4234539	21.463697	22.4790416	20.1428003	-0.156861872	4.50589308	0.23376012	TAD1
YBR278W	8.08867322	8.23070608	9.80516677	8.98755359	7.75364043	6.6497065	-0.157552407	3.06870002	0.378068168	DPB3
YEL017W	94.8939468	71.1984854	87.3386151	78.5228366	72.7148128	75.793742	-0.157685733	6.32531086	0.129772011	GTT3
YLR339C	1234.67349	901.291094	1198.4698	774.526082	971.420379	1243.23687	-0.157694136	10.0416821	0.316592827	YLR339C
YOR171C	70.1675961	88.8110453	80.3176315	69.7717976	73.040596	71.8555663	-0.157706581	6.24425163	0.10239002	LCB4
YLR132C	9.60118935	12.3748378	9.26043528	9.04668223	8.14458028	10.8461232	-0.157914294	3.3243917	0.39337478	USB1
YGR118W	395.950418	574.365146	392.811928	490.2947	390.157974	341.33008	-0.15794189	8.7515505	0.306894141	RPS23A
YIL135C	82.6622946	77.2420109	80.5597344	65.5145353	70.5646436	79.4736767	-0.158007267	6.25016542	0.086208629	VHS2
YLR368W	38.93085	44.4343013	38.3127813	40.7396343	31.9919114	36.2828646	-0.158120186	5.27047875	0.162171235	MDM30
YKL144C	20.9779411	28.3757909	20.2155907	23.0601704	20.0682458	19.2389567	-0.158257068	4.46896132	0.290657236	RPC25
YDL129C	30.184561	45.2976621	38.0101527	38.2562314	31.7964414	31.6990863	-0.158270129	5.17171106	0.25998113	OPY1
YPL114W	3.09079383	1.84183632	2.42102883	1.8329879	2.08501255	2.64697055	-0.158523327	1.28125653	0.599381599	YPL114W
YPL178W	40.5748892	58.3631885	41.399593	43.8143237	42.612444	39.3817569	-0.158622371	5.47630261	0.230227777	CBC2
YGR156W	52.6750183	44.4343013	48.9047824	40.798763	46.1960594	43.7718544	-0.158706359	5.53104963	0.110781587	PTI1
YIR020C	1.31523142	0.80580339	1.21051442	0.65041506	1.04250628	1.29120515	-0.158783131	0.22405944	0.68601282	YIR020C
YHR038W	9.9299972	12.1446083	13.1340814	11.7665998	8.92645999	10.8461232	-0.158870368	3.49469758	0.364632839	RRF1

YMR205C	1805.48393	1352.19565	1751.25121	1463.78866	1466.48055	1466.5508	-0.158914266	10.5990427	0.161271123	PFK2
YER020W	76.8095148	65.5003043	69.9072075	65.1597635	61.7684969	63.0108111	-0.158962412	6.06920576	0.075453697	GA2
YAL037W	9.66695092	10.5330015	9.80516677	9.04668223	9.2522432	8.58651422	-0.159155023	3.26503055	0.29535915	YAL037W
YOR224C	159.07724	147.116676	146.593296	139.070566	133.245333	133.05869	-0.159223307	7.1614038	0.056594515	RPB8
YDL041W	0.59185414	1.5540494	1.39209158	0.29564321	1.2379762	1.67856669	-0.159226078	0.32109195	0.820032933	YDL041W
YDR179W-A	14.0072146	20.4328717	15.0709045	12.6535294	16.4194739	15.3653412	-0.159248537	3.98157044	0.362502305	YDR179W-A
YJR053W	29.0666143	24.6921182	24.1497626	21.2863111	24.954994	23.4999336	-0.159338328	4.62738111	0.196370219	BFA1
YPR092W	0.65761571	0.23022954	0.54473149	0.17738593	0.4560965	0.64560257	-0.159557709	-0.8149603	0.895164974	YPR092W
YHR009C	236.873178	215.322178	217.589966	221.909793	189.019419	188.515951	-0.159707307	7.7256795	0.100478038	TDA3
YNL229C	55.2397195	67.2270258	54.4731487	51.5010472	52.5814103	54.4242969	-0.159712816	5.80861796	0.113306447	URE2
YIR008C	50.2418401	56.5789096	49.7521425	49.4315447	46.3915293	44.2883365	-0.160370101	5.63199041	0.092751599	PRI1
YGR073C	8.08867322	9.55452593	9.0183324	6.85892247	6.97176072	10.0714001	-0.160533706	3.09678524	0.410173234	YGR073C
YPL139C	43.8629678	56.7515817	43.5179933	42.276979	44.1110468	42.6743301	-0.16054873	5.51344159	0.154654585	UME1
YBR270C	18.2159551	23.0805114	22.8181967	16.6151484	20.7198122	20.1428003	-0.160577526	4.35039669	0.259613465	BIT2
YBR148W	3.28807854	3.62611526	2.36050311	2.66078889	2.99720554	2.64697055	-0.160791747	1.61137162	0.522845178	YSW1
YJR051W	82.9253409	85.4151596	79.6518486	77.1628778	71.21621	73.4050125	-0.160882428	6.29336498	0.051734066	OSM1
YPR017C	9.00933521	10.4178867	7.44466366	8.21888124	8.14458028	7.68267061	-0.160974912	3.10770705	0.371658846	DSS4
YDR539W	94.6309005	89.0988322	93.6938158	88.2199339	77.7970309	81.9915267	-0.161008763	6.45456918	0.057995389	FDC1
YPL245W	93.3814306	100.32252	100.230594	89.7572786	84.8991049	88.2538717	-0.161064056	6.53832136	0.050511935	YPL245W
YEL021W	54.253296	53.1254665	53.9889429	50.9097608	47.5643489	45.7732224	-0.161080427	5.67437322	0.069505672	URA3
YHR004C	36.1031024	47.2546132	37.0417411	38.2562314	35.70584	33.7650145	-0.161202983	5.25456594	0.176869414	NEM1
YLR291C	160.721279	173.362844	159.364223	149.35895	138.848805	153.07237	-0.161278545	7.28471518	0.062381282	GCD7
YGR023W	20.1888023	21.4689047	19.4287564	15.8464761	18.1135465	20.7238426	-0.16145734	4.27920803	0.238255416	MTL1
YDL100C	243.909666	261.828545	215.41104	215.937801	221.728054	207.109305	-0.161550257	7.83154684	0.095044074	GET3
YMR215W	448.230867	358.812739	451.158723	324.084087	379.211658	421.57848	-0.161601761	8.63400229	0.175494655	GAS3
YOR166C	42.8765442	55.3702045	42.878519	41.8630785	42.6776007	42.3515288	-0.161737408	5.48970444	0.144470676	SWT1
YMR148W	24.0687349	19.3392814	23.9681854	18.0342358	20.394029	21.7568067	-0.162468797	4.41734399	0.225769171	OSW5
YJL043W	2.56470126	2.87786926	3.93417185	3.42946124	2.73657898	2.19504875	-0.162690078	1.62886734	0.553088611	YJL043W
YHR189W	13.8756915	13.0655264	14.8288016	11.7074711	11.7933522	13.8158951	-0.162891521	3.73365645	0.263231492	PTH1
YGL152C	5.39244881	6.2161976	7.80781798	6.38589334	4.69127824	6.26234495	-0.163017884	2.64742858	0.448462484	YGL152C
YPL265W	164.206642	134.856953	154.098485	142.500027	129.987501	132.090286	-0.16302945	7.16063814	0.083138723	DIP5
YDL244W	1.51251613	1.09359032	1.63419446	1.24170148	1.17281956	1.3557654	-0.163117399	0.54236225	0.661932385	THI13
YPL191C	10.9821823	14.2166741	11.1972583	12.712658	10.3599061	9.42579756	-0.163218182	3.54035954	0.356699469	YPL191C
YDR466W	66.6164713	70.7380263	74.6282137	54.2800934	67.4371247	67.7237099	-0.163283292	6.06662423	0.109179183	PKH3
YDL005C	41.2982665	47.5999575	42.1259017	37.1919158	41.3093112	38.6070338	-0.163319335	5.3746841	0.103918145	MED2
YNL213C	15.2566844	17.1521008	15.3130074	16.4377625	14.0086781	12.1373284	-0.16332668	3.92568317	0.280837019	RRG9
YBR087W	47.4140926	66.0758781	55.1994574	52.5062341	48.5416985	49.6468378	-0.163671832	5.73850964	0.154994481	RFC5
YGR050C	6.97072651	4.2592465	5.8104692	4.84854864	5.60347123	4.71289878	-0.163758672	2.4526366	0.452707276	YGR050C
YIL076W	89.1726901	138.02261	99.927965	97.7396452	99.8851326	94.5162166	-0.16378928	6.69176273	0.209196628	SEC28
YER074W-A	12.2316522	14.3317889	11.1367326	12.4170148	11.467569	9.74859885	-0.164457959	3.58867063	0.319515539	YOS1
YCR020C-A	10.7191361	10.2452146	7.02098361	8.27800988	8.60067678	8.07003216	-0.164684358	3.16085411	0.386286594	MAK31
YOR155C	72.7980589	79.947208	67.9098587	69.2987684	65.026329	62.494329	-0.164870282	6.1235059	0.072573584	ISN1
YIL094C	206.622856	237.999788	203.124319	201.569541	188.823949	187.418427	-0.164905119	7.67529319	0.082039862	LYS12
YML015C	27.6198598	30.332742	28.8102431	23.7105854	25.1504639	28.600194	-0.165083695	4.7813188	0.152666011	TAF11
YDR096W	74.2448135	71.1984854	75.2334709	59.6607998	65.938522	71.274524	-0.165095879	6.12327919	0.069487241	GIS1
YOL117W	18.1501936	20.2601996	18.2787677	18.1524931	17.3316668	15.0425399	-0.165913088	4.17069436	0.21439842	RR12
YPL250W-A	1.05218513	1.32381986	0.3026286	0	1.56375941	0.83928334	-0.166033239	-0.0568828	0.881539848	YPL250W-A
YER141W	235.426424	192.011437	219.163635	202.574728	189.475516	183.996733	-0.16631536	7.67166827	0.091096668	COX15
YNR046W	44.9809145	39.7145957	37.8891012	31.1016657	36.8786595	41.2540044	-0.166643245	5.27578776	0.161576303	TRM112
YGL045W	17.3610547	18.0730189	17.3103561	17.3103353	14.3344613	14.9779797	-0.166949199	4.06635843	0.218386601	RIM8
YGR052W	4.80059467	4.31680389	3.99469757	4.43464815	3.32298876	3.87361544	-0.167094392	2.08804389	0.437334844	FMP48
YPL127C	144.543933	145.850414	146.169616	140.548782	128.293429	119.823837	-0.167362875	7.10515077	0.055166771	HHO1
YOR377W	62.8023002	63.1980089	61.4941323	53.6888069	59.8137976	53.455893	-0.167715039	5.88754519	0.056179183	ATF1
YER032W	83.1883871	80.6378966	85.2807406	69.2396398	78.7092239	73.8569343	-0.167820465	6.29656858	0.048975525	FIR1
YDR314C	14.9278766	13.1230838	13.43671	13.1265585	12.8358585	10.9106835	-0.16782343	3.72075051	0.250986751	RAD34
YLR361C-A	4.93211781	5.35283682	4.11574901	4.31639087	5.4080131	3.09889235	-0.167946096	2.22175758	0.490952807	YLR361C-A
YNL155W	29.6584685	34.9373328	34.0759808	29.2686778	29.9068988	28.7293145	-0.167955242	4.96518531	0.117769261	CUZ1
YHR068W	391.610155	400.772073	375.562098	390.899452	338.944853	309.501873	-0.168168714	8.52366642	0.097963664	DYS1
YKL152C	6170.86853	5573.51183	6019.58556	5833.80921	5137.2103	4837.952	-0.168198325	12.4500826	0.097907238	GPM1
YNL068C	82.7280562	88.92616	89.093861	66.0466931	81.054863	85.0904191	-0.168275147	6.36242994	0.094818746	FKH2
YBR116C	3.94569425	3.74123003	4.05522329	3.25207531	3.90939854	3.29257312	-0.168452323	1.93404427	0.432181623	YBR116C
YLR036C	11.8370828	19.3968388	13.43671	10.406641	13.4222683	16.0109438	-0.168499078	3.83047697	0.423779211	YLR036C
YGR220C	41.7585975	48.2906461	41.9443245	40.5622484	38.5075756	38.4133531	-0.168508897	5.38275095	0.089212362	MRPL9
YDR361C	52.6750183	66.9967963	55.7441889	55.4626662	53.6890732	46.935307	-0.168965159	5.79192723	0.122242012	BCP1
YDR098C	60.8952146	102.912605	62.8256982	71.3091423	66.9810282	63.3336124	-0.169280595	6.16095598	0.288719555	GRX3
YLR301W	119.488774	175.032008	128.193477	133.571602	122.168704	120.211199	-0.169463147	7.05831276	0.174251952	YDR1
YDR042C	2.30165498	4.37436127	3.02628604	2.9564321	3.19267547	2.51785003	-0.169962187	1.67966388	0.55326792	YDR042C
YIL020C	35.708533	43.340711	36.3154325	36.0684716	33.9466106	32.5383697	-0.170416148	5.18853906	0.117817706	HIS6
YBR281C	94.6309005	97.5022104	93.3911872	83.903543	88.7433468	81.0876831	-0.170471651	6.49196346	0.038084	DUG2
YPR068C	22.7535035	23.3682984	21.4866309	18.0933645	21.306222	20.7238426	-0.170625701	4.42020777	0.162030074	HOS1
YJR071W	24.5290659	30.1025124	26.44974	21.0497966	23.5867045	27.5026696	-0.170808889	4.68197403	0.197639439	YJR071W
YJR048W	23.8714502	33.7861851	22.5155681	30.5695079	23.7821744	16.8502271	-0.17089642	4.66701183	0.390764168	CYC1
YPR094W	2.89350912	4.08657435	2.60260599	3.01556074	2.80173562	2.71153081	-0.171263178	1.65739295	0.512663699	RDS3

YIL074C	156.709823	163.923433	151.919559	143.859986	130.052658	145.64794	-0.171546361	7.21744652	0.047287721	SER33
YGR062C	36.3661487	32.0594635	36.6785868	30.6877652	30.0372121	32.5383697	-0.171691553	5.05229719	0.101408796	COX18
YOR369C	1225.66416	1397.20552	1292.52677	1239.04069	1085.31419	1151.49675	-0.171794084	10.2668152	0.079582922	RPS12
YOR266W	17.7556241	18.8788223	15.5551102	15.0778037	16.8755703	14.3969374	-0.171822506	4.04887469	0.221458247	PNT1
YHR046C	27.4883366	30.5629715	25.1786999	28.6182627	23.7821744	21.4340054	-0.171852542	4.71841961	0.193261451	INM1
YBR132C	63.4599159	44.4343013	53.1415829	48.0124573	46.8476258	47.9037109	-0.172334267	5.66491699	0.142243693	AGP2
YGL176C	39.6542272	42.1320059	40.3706558	34.6493842	38.5727322	35.2499005	-0.172338608	5.26930813	0.07467436	YGL176C
YNL261W	54.9109117	53.7010403	59.7388864	46.1203408	53.0375068	50.2924404	-0.172424727	5.73032118	0.066965883	ORC5
YDL076C	23.3453577	36.7216117	29.1733974	22.1141121	27.1051632	30.0850799	-0.172710719	4.81953652	0.290111028	RXT3
YNL214W	7.16801122	10.2452146	8.47360091	6.44502198	8.27489357	8.32827319	-0.17277864	3.05137894	0.3735507	PEX17
YPR123C	6.37887237	6.90688622	3.32891464	6.20850741	5.0822181	3.42169363	-0.172861155	2.42192916	0.557829862	YPR123C
YIL118W	75.9546144	83.688438	78.9255399	74.5612176	68.9357275	68.1110714	-0.173028929	6.23213828	0.043206363	RHO3
YPR070W	35.3139636	42.4773502	36.7996382	33.1120395	33.1647309	35.4435812	-0.173218145	5.17761817	0.102266465	MED1
YGL021W	144.149363	146.310873	141.024929	120.385915	130.248128	132.090286	-0.17326259	7.08561908	0.037633049	ALK1
YLR459W	74.6393829	66.3636651	74.5071623	49.6680593	63.0064731	78.5052728	-0.173283585	6.08494412	0.194350831	GAB1
YIL086C	0.78913885	0.46045908	0.54473149	0.41390049	0.65156642	0.51648206	-0.173292415	-0.5524391	0.716305674	YIL086C
YBR025C	795.254676	891.851683	793.189571	791.377745	724.346392	683.693124	-0.173384147	9.60751602	0.078456601	OLA1
YDL235C	20.9121795	33.6710703	22.6971453	21.2271825	23.4563912	23.9518554	-0.173388269	4.61317856	0.295716734	YPD1
YEL069C	3.35384011	3.51100049	4.17627473	2.2468884	3.97455518	3.61537441	-0.173394715	1.84656959	0.503978743	HXT13
YLR428C	7.69410379	8.05803392	10.4709497	7.50933754	8.27489357	7.48898984	-0.173538123	3.06671651	0.333875316	YLR428C
YBR143C	387.467176	533.154059	404.190763	413.131822	394.002216	367.476984	-0.173698639	8.70298275	0.147784	SUP45
YDL229W	4336.18646	3558.37022	4346.04938	3416.15729	3716.86066	3718.73538	-0.173741281	11.9102056	0.097516782	SSB1
YJR141W	15.5197307	21.2962325	16.2208932	16.5560198	16.7452571	13.7513348	-0.174108632	4.07316603	0.277193889	YJR141W
YPR122W	128.629633	131.63374	126.982962	106.904585	116.695546	119.630157	-0.174426312	6.92920781	0.037741834	AXL1
YBR217W	5.1951641	6.2161976	5.62889203	5.43983506	5.143737474	4.51921801	-0.174488182	2.45792915	0.367302316	ATG12
YOL008W	16.9007237	20.0875274	17.3103561	16.5560198	14.3996179	17.1730284	-0.174773585	4.10542705	0.207018387	COQ10
YPL203W	40.0487967	49.0964495	44.2443019	36.7188867	40.3319616	41.2540044	-0.174840789	5.39531868	0.098429151	TPK2
YDR165W	105.415798	151.606152	123.47247	108.205415	112.720991	116.273023	-0.174939134	6.90415234	0.129209908	TRM82
YDL193W	68.9838878	62.9677793	56.5310232	61.0798872	55.7089291	50.0341994	-0.17499687	5.8910929	0.091419963	NUS1
YOR013W	13.1523142	12.1446083	15.6761617	11.5892138	11.5978823	13.1057322	-0.175054468	3.70054757	0.255111684	IRC11
YDL185C-A	2.36741655	2.24473802	1.7552459	1.06431556	2.08501255	2.51785003	-0.175135168	1.08363189	0.59035716	YDL185C-A
YML119W	28.6720449	40.5203991	32.3207349	26.4896316	31.9267547	31.6345261	-0.17514702	5.00317485	0.199732029	YML119W
YDL179W	25.5154895	40.0599401	28.0234087	25.3661874	28.1476695	29.5040376	-0.175148621	4.8870183	0.258364244	PCL9
YBR007C	53.2668724	54.391729	51.7494913	47.243785	50.3660845	43.5781737	-0.175201219	5.65046504	0.057747771	DSF2
YHR017W	33.2095933	41.3262025	32.8049407	27.6722045	33.6208274	33.8941351	-0.175319115	5.08266978	0.164040045	YSC83
YLL056C	9.20661992	8.518493	8.04992087	8.63278173	6.45050758	7.68267061	-0.175389365	3.03936507	0.310097152	YLL056C
YAR053W	1.31523142	0.86336078	0.96841153	0.94605827	0.78187971	1.03296412	-0.175874706	0.14437046	0.664591261	YAR053W
YPL099C	10.4560898	15.3678218	11.0762069	10.2925521	11.555376	11.9436476	-0.176177836	3.55448061	0.344630384	INA17
YLL004W	33.3411164	47.1970558	38.6154099	34.9450274	35.1194302	35.5081415	-0.176189473	5.23300034	0.152574043	ORC3
YMR250W	90.4879215	87.1418811	82.2544546	83.1939993	71.7374631	74.8898984	-0.176569959	6.35318459	0.046116479	GAD1
YKR093W	508.534228	392.426252	498.005631	408.40153	402.733206	426.54962	-0.176604255	8.77988445	0.10254303	PTR2
YER054C	11.4425133	12.8928543	11.3788355	10.1701264	10.1644362	11.298045	-0.17662553	3.50540105	0.244520242	GIP2
YGR123C	106.139175	123.518149	103.801611	95.0788564	103.729374	96.3239038	-0.176713049	6.71291114	0.055219039	PPT1
YLR455W	58.1332286	53.8161551	57.6204862	49.9637025	49.3235782	50.679802	-0.176731966	5.73823001	0.041505931	PDP3
YLR097C	27.0937672	32.2321357	26.1471114	27.7313331	25.8020303	22.079608	-0.176875714	4.75467257	0.166652383	HRT3
YBR196C	4058.40958	3134.22985	3680.50856	3262.06805	3175.86506	3180.43195	-0.176887196	11.7378222	0.097280335	PGH1
YGR105W	5.78701824	8.518493	5.74994348	6.91805112	5.66862788	5.16482058	-0.176931462	2.68963401	0.412284976	VMA21
YPL011C	37.3525723	44.7220883	40.6732844	36.7188867	36.8135029	35.12078	-0.177001044	5.2746644	0.081921604	TAM3
YLR018C	37.2868107	47.5999575	41.9443245	32.9937822	39.2242986	40.0919198	-0.177424605	5.32169513	0.132213478	POF34
YBR282W	12.56046	12.1446083	13.3156586	12.1805003	10.2947495	11.1043642	-0.177442004	3.5929245	0.231896524	MRPL27
YPL198W	139.348769	165.30481	133.459214	134.162889	126.012946	127.248267	-0.177568684	7.10577371	0.064087005	RPL7B
YMR033W	80.5579243	91.8040293	76.746614	73.3786447	77.0151512	69.9187586	-0.177691983	6.29233336	0.054369048	ARP9
YPR199C	36.3003871	50.8231711	38.7364613	36.7188867	37.3999127	37.2512684	-0.177913364	5.3107598	0.151541815	ARR1
YJR083C	14.2044993	17.6125599	16.2208932	11.1753133	14.5950879	16.7856669	-0.177959766	3.92836813	0.302107284	ACF4
YKL140W	85.4900421	81.2134704	79.2886942	71.9004287	68.3493177	77.1495074	-0.177977519	6.27344988	0.037597933	TGL1
YJR060W	43.5999215	43.8011701	42.489056	41.8039499	38.4424189	34.4751774	-0.178253043	5.35425229	0.075630402	CBF1
YJL180C	29.7899916	38.4483333	28.6286659	28.1452336	30.4281519	27.1153081	-0.17829229	4.93407032	0.163613093	ATP12
YDR207C	66.4191866	71.8316167	74.6282137	58.5964842	63.201943	66.4325047	-0.178422361	6.06570904	0.047912893	UME6
YNL129W	11.7055596	14.5620184	12.347247	13.540459	10.750846	9.8131591	-0.178503995	3.6173403	0.29444402	NRK1
YIR021W	36.3003871	35.5129066	39.1601414	35.5363138	29.5159589	32.9257312	-0.178638506	5.12774504	0.091821879	MRS1
YDR375C	51.5570716	61.8166316	56.1678689	50.2002171	48.8023251	50.8734827	-0.178774996	5.73825256	0.059331915	BSC1
YNL099C	33.8014474	42.6500224	38.7364613	38.1971027	33.685984	29.8913991	-0.178803817	5.18262971	0.139684969	OCA1
YKL081W	2587.38901	1985.67223	2416.67098	2053.06471	2014.90401	2105.56823	-0.179114559	11.0993382	0.099209442	TEF4
YDL198C	106.928314	89.213947	99.3832335	93.8371549	82.0973693	84.8967383	-0.179191292	6.53682215	0.056910102	GGC1
YJR094C	7.82562693	13.1230838	10.2288468	8.92842494	8.34005021	10.3296412	-0.179350053	3.31440799	0.385467125	IME1
YGR096W	16.5719159	15.1951497	15.2524816	14.4273887	12.7707019	14.2678169	-0.179578143	3.89469898	0.187194607	TPC1
YDL165W	29.4611837	45.0674326	35.2259695	30.6286366	32.4480078	33.9586953	-0.179628215	5.11356256	0.19666933	CDC36
YLR075W	2314.34696	3192.47792	2431.25768	2379.04091	2301.39776	2328.43024	-0.179628641	11.282694	0.13294082	RPL10
YBR197C	21.8328415	23.4258558	25.0576484	17.6203353	22.218415	22.337849	-0.179646824	4.47276144	0.173031887	YBR197C
YNL168C	55.2397195	60.1474675	51.6284398	41.9222072	52.2556271	53.3913328	-0.179807385	5.71565806	0.101176632	FMP41
YGL100W	101.864673	110.797966	99.3832335	90.4668223	94.7377579	90.3197999	-0.179945003	6.61563391	0.032452294	SEH1
YDR050C	3718.55379	3290.09525	3247.8707	3537.07537	2865.00272	2651.1024	-0.180020472	11.6521366	0.123974294	TPH1
YBL071W-A	11.5740365	9.6696407	10.410424	12.4761435	7.49301386	7.87635139	-0.180335462	3.33006984	0.380018265	KTI11

YJL199C	4.27450211	5.69818113	4.47890334	4.90767729	3.97455518	3.87361544	-0.180406081	2.22545046	0.407447987	MBB1
YMR074C	66.353425	80.695454	63.1888525	61.6711736	61.9639668	61.977847	-0.180417724	6.0469974	0.07374528	YMR074C
YDR524C-B	117.252881	100.898096	109.854183	87.8060334	91.6753957	109.946118	-0.180446524	6.68670156	0.074022162	YDR524C-B
YPL196W	19.7942328	23.0805114	17.6129848	21.2271825	15.7027508	16.3983053	-0.180679108	4.25716638	0.249200274	OXR1
YGL057C	19.7942328	24.5194461	17.128779	16.851663	18.5044864	18.9161554	-0.180745234	4.27956508	0.229553306	GEF7
YHR013C	70.6279271	75.4577319	70.451939	66.8153655	62.8110031	61.3968047	-0.180773708	6.08887293	0.034377161	ARD1
YCR065W	225.62795	208.760636	217.347863	189.684684	196.903373	188.25771	-0.181010034	7.67632647	0.037692538	HCM1
YER122C	229.770929	254.115855	238.89502	196.957507	216.906462	223.636731	-0.181407952	7.82556273	0.050575146	GL03
YNL050C	20.6491333	21.814249	21.4866309	20.9315393	18.5044864	16.9147874	-0.181496654	4.33567814	0.148248965	YNL050C
YOR045W	6.90496494	4.6621482	6.1130978	5.85373556	4.69127824	4.97113981	-0.181543714	2.49865599	0.369572495	TOM6
YBR017C	261.336483	257.799528	255.358016	234.563323	223.943379	224.346894	-0.181578977	7.92495155	0.035188858	KAP104
YLR078C	29.0008528	32.0019061	29.3549746	24.9522869	24.6943674	30.0850799	-0.181613214	4.83185327	0.121682886	BOS1
YJR057W	19.9915175	30.7356437	23.6655568	21.7593403	23.4563912	20.4656016	-0.18175565	4.55473406	0.236632329	CDC8
YJR045C	1623.19285	1364.57049	1632.31816	1345.17661	1361.5132	1366.09504	-0.181877082	10.5007685	0.067722314	SSC1
YLR147C	4.53754839	6.84932883	4.59995478	4.78942	4.49580832	4.84201929	-0.182323547	2.36757776	0.420764319	SMD3
YCR075C	53.5299187	43.8587275	53.32316	44.4647388	42.2215042	46.0314634	-0.182392805	5.56544264	0.074531019	ERS1
YNL195C	5.32668724	4.43191866	4.59995478	4.31639087	4.95190481	3.35713338	-0.182428873	2.20709484	0.405377006	YNL195C
YER079W	11.5740365	14.1591167	13.2551329	12.0031143	11.9888222	10.3942014	-0.182441187	3.62891418	0.237673137	YER079W
YIL071W-A	5.65549509	3.8563448	3.38944036	4.49377679	2.99720554	3.80905518	-0.182450065	2.05413027	0.453853115	YIL071W-A
YJR091C	4.01145582	3.56855788	4.53942906	2.60166025	3.84424189	4.26097698	-0.182619942	1.97022578	0.454358069	TIM12
YMR290W-A	13.3495989	14.9073628	12.7104014	8.8692963	12.2494487	15.0425399	-0.182761693	3.69717417	0.338039102	YMR290W-A
YGL043W	64.2490547	64.118927	63.2493782	52.5653627	59.8137976	56.4902251	-0.182883604	5.91177814	0.036804271	DST1
YIR019C	39.5884657	33.0379391	39.4022442	28.4408768	37.8560092	32.4092491	-0.182929255	5.13858578	0.138378391	FLO11
YPR027C	11.639798	11.2812475	12.5893499	8.81016766	11.3372558	11.1689245	-0.183312718	3.49242578	0.265663363	YPR027C
YLR439W	44.2575372	48.0604166	50.0547711	38.0788455	42.807914	44.6111378	-0.18334281	5.48457856	0.066883821	MRPL4
YIL152W	18.3474783	21.3537899	17.1893047	15.8464761	16.6801004	17.6249502	-0.1835244	4.16780916	0.174331141	YIL152W
YLR042C	18.2159551	16.4038548	21.7287338	14.2500027	14.5950879	20.7884028	-0.183647047	4.15212684	0.28989902	YLR042C
YDR140W	22.1616494	28.1455613	22.8181967	21.641083	21.5668486	21.2403246	-0.183744731	4.52819982	0.148187137	MTQ2
YIL071C	18.2159551	22.274708	17.4919333	16.851663	15.2466543	18.9807156	-0.184070297	4.19515175	0.211699896	PC18
YGR030C	6.18158766	8.69116516	6.71835501	6.20850741	6.51566423	6.32690521	-0.184513319	2.78943433	0.329995931	POP6
YML079W	60.3691221	72.8676496	61.2520294	59.1877707	54.2103264	57.7814303	-0.184673036	5.93293892	0.057958561	YML079W
YLR181C	36.629195	39.9448253	33.7128265	35.8910857	30.8190918	30.2787607	-0.184705274	5.11647164	0.096684861	VTA1
YKL060C	18462.2322	15652.7309	17058.0244	15679.9107	14910.3809	14426.8933	-0.184902647	13.9686499	0.059860142	FBA1
YPL160W	995.038329	924.083818	946.319645	878.888135	842.801168	798.804063	-0.18500058	9.81022472	0.044657385	CDC60
YHR089C	194.851534	228.445262	208.026902	182.352732	188.628479	184.319534	-0.185382152	7.62872426	0.044883031	GAR1
YLR271W	6.90496494	6.61909929	6.83940645	6.20850741	6.05956773	5.61674238	-0.18557732	2.70087314	0.274027482	YLR271W
YDR403W	5.72125667	5.18016466	6.77888073	4.84854864	4.95190481	5.7458629	-0.185728686	2.50073878	0.3495146	DIT1
YBL003C	83.2541487	130.827936	91.1517355	95.965786	88.6781901	83.7992139	-0.185751644	6.58176785	0.178520594	HTA2
YPR202W	47.2825695	38.3332185	45.091662	38.6110032	37.334756	38.8652749	-0.185781543	5.35879229	0.073405365	YPR202W
YOR012W	7.43105751	6.44642714	7.80781798	5.14419185	6.58082087	7.35986933	-0.18589476	2.78815051	0.338957262	YOR012W
YLL002W	29.0008528	34.3617589	27.4181515	28.4408768	26.1929702	25.1785003	-0.186036725	4.83685092	0.12009033	RTT109
YNL006W	39.8515119	45.7005638	41.3390673	39.7935761	38.3772623	33.377653	-0.186084756	5.31779848	0.077803685	LST8
YDR454C	277.11926	301.888485	290.52346	269.153578	250.52729	244.618815	-0.1860925	8.08984447	0.039395645	GUK1
YLR281C	4.34026368	4.37436127	3.51049181	3.72510445	3.97455518	3.03433209	-0.186239951	1.98294966	0.398365074	YLR281C
YLR410W	243.054766	241.050329	237.987134	215.996929	210.260485	208.33595	-0.186275817	7.82174808	0.029804338	VIP1
YOL026C	18.6762861	18.1881337	19.9129621	17.679464	17.5922934	14.5906181	-0.186473431	4.16232624	0.162381981	MIM1
YJL184W	9.14085835	10.4178867	8.95780668	8.21888124	8.86130335	8.0054719	-0.186596252	3.18043193	0.243639812	GON7
YDL083C	1100.12532	997.12414	1047.76075	867.417178	937.799552	957.880537	-0.186774573	9.94368636	0.046495296	RPS16B
YLR246W	27.4225751	30.2751846	29.1128717	21.0497966	26.9096933	28.4065132	-0.187049893	4.77175529	0.146058831	ERF2
YBL112C	1.18370828	0.97847555	1.1499887	0.65041506	0.97734963	1.29120515	-0.187208982	0.21062159	0.676140929	YBL112C
YHR218W-A	1.18370828	0.97847555	1.1499887	0.65041506	0.97734963	1.29120515	-0.187212043	0.21062159	0.676059585	YHR218W-A
Q0160	0.32880785	0.46045908	0.42368005	0.29564321	0.4560965	0.32280129	-0.187299014	-0.9831345	0.763049644	SCE1
YIL088C	176.701341	147.462021	174.67723	129.609983	142.04148	166.436343	-0.187352541	7.28780208	0.084064184	AVT7
YCR013C	2063.20352	1776.27846	2096.9136	1767.82814	1646.76898	1798.32597	-0.187471203	10.8597993	0.06060949	YCR013C
YDR123C	14.0729762	15.1375923	14.8893273	10.5840269	14.4647746	13.7513348	-0.187503394	3.80075517	0.231575808	INO2
YMR001C	122.842614	134.396494	114.393612	117.370354	111.808798	97.0986269	-0.187666219	6.86372323	0.052840893	CDC5
YCR009C	78.0589846	112.754917	76.080831	87.037361	78.5137539	68.8212342	-0.187744201	6.38742012	0.174146237	RVS161
YOR096W	1001.28568	1110.6273	1039.77136	961.076947	891.147396	914.431484	-0.187988121	9.94622591	0.043037609	RPS7A
YDR399W	276.395882	304.881469	276.965698	257.268721	251.439482	244.683375	-0.18804528	8.07010462	0.036874758	HPT1
YDR251W	10.5876129	10.8207884	11.3183098	10.406641	10.2947495	8.0054719	-0.188099207	3.3747865	0.24828971	NOP19
YGL219W	13.941453	25.0374625	17.3103561	19.2168087	14.6602445	15.559022	-0.188379652	4.15372742	0.342080468	DTD1
YPL027W	1.44675456	1.32381986	1.7552459	1.06431556	1.43344613	1.48488592	-0.188581363	0.62202676	0.575508767	SMA1
YLR022C	32.0916466	35.6280214	32.6838892	30.5103793	30.2978387	27.3089888	-0.188627391	4.98002131	0.073828171	SDO1
YOR281C	34.787871	39.4268088	38.8575128	29.9190929	33.881454	35.5081415	-0.189013406	5.15086765	0.078242185	PLP2
YCL052C	60.8952146	78.5082733	58.2862691	65.8101786	55.9695557	51.5836456	-0.189479668	5.95431422	0.124346955	PBN1
YDR371W	27.3568135	36.0884805	28.4470888	24.5383864	27.4309464	28.7293145	-0.18955282	4.85330655	0.142992634	CTS2
YNL051W	26.4361515	40.4052844	26.5707914	26.5487603	25.7368737	29.6977183	-0.189847473	4.87724555	0.22682511	COG5
YER117W	1022.1321	1082.07884	1062.71061	1005.42343	889.453324	880.149987	-0.190555349	9.95196997	0.045441726	RPL23B
YOL111C	65.4985246	73.7310104	59.8599379	62.0259455	59.1622312	53.2622122	-0.190581945	5.96349459	0.058133842	MDY2
YNL197C	256.996219	206.976357	245.492324	169.167045	218.535378	233.901812	-0.19079229	7.7940122	0.124055755	WHI3
YDR033W	1941.61038	1500.00301	1940.39408	1460.65484	1557.69985	1696.70812	-0.190853023	10.7167744	0.099237358	MRH1
YLR003C	26.4361515	44.4343013	28.3260373	28.6182627	28.2128261	30.1496401	-0.191138734	4.96326023	0.250888424	CMS1
YER065C	87.3313661	81.3861426	89.093861	70.6587272	73.1057526	82.056087	-0.191231834	6.33494228	0.031905134	ICL1

YIL163C	2.43317812	1.66916417	2.11840023	1.35995877	1.82438598	2.259609	-0.191541757	1.04087599	0.545958876	YIL163C
YDL049C	8.08867322	9.32429639	9.50253816	6.38589334	8.20973693	9.03843602	-0.191672532	3.09575027	0.300842672	KNH1
YJL190C	1135.83385	1032.57949	1169.65955	861.918215	993.834264	1066.72913	-0.191842207	10.0272656	0.067533115	RPS22A
YBR088C	119.29149	158.800826	117.662001	120.858944	117.412269	108.202991	-0.192173804	6.95260343	0.090750932	POL30
YPL267W	11.5740365	10.5330015	9.07885812	9.16493951	9.51286977	8.58651422	-0.192279678	3.30203235	0.235927923	ACM1
YGL226C-A	17.6898626	14.9649201	15.3735331	11.7665998	13.2267984	17.0439079	-0.192422066	3.91816909	0.242386065	OST5
YBL084C	58.1989902	57.384713	60.4046694	49.4906734	51.9950005	52.5520494	-0.192487181	5.78477652	0.025290415	CDC27
YGR238C	52.0831641	48.4057609	49.6916168	42.7500082	44.3065167	44.2883365	-0.193031348	5.55589637	0.029705827	KEL2
YLR282C	1.70980084	2.12962325	1.81577162	1.77385926	1.17281956	2.00136798	-0.193093074	0.92455468	0.550983017	YLR282C
YBL070C	5.85277981	6.90688622	6.83940645	5.38070642	5.66862788	6.13322444	-0.193221548	2.64649632	0.291168152	YBL070C
YEL068C	6.57615709	9.09406685	6.1130978	5.61722099	6.64597751	6.84338727	-0.193572722	2.79685872	0.347846448	YEL068C
YLR436C	227.140466	210.142013	241.618677	166.861028	205.373736	221.183441	-0.194329098	7.72902459	0.079824731	ECM30
YLR295C	33.1438317	47.9453018	32.8654664	32.1659813	33.3602008	34.1523761	-0.194595783	5.16024083	0.161647935	ATP14
YOR352W	16.5061543	24.1165444	14.5866987	16.6151484	17.9832333	13.6867745	-0.194662725	4.12119411	0.299034644	TFB6
YJL063C	50.5048864	48.2906461	50.4179254	45.3516684	40.8532147	44.0946557	-0.194725835	5.54587312	0.031799835	MRPL8
YDR002W	158.353863	200.472372	167.777298	178.213727	150.642157	131.186443	-0.194919951	7.36289493	0.105717427	YRB1
YNL005C	64.2490547	67.9752719	63.9151612	66.7562368	53.4284467	51.0671635	-0.194925893	5.93976728	0.064172551	MRP7
YMR299C	13.5468836	21.066003	16.7656247	15.3143183	14.9860277	14.6551784	-0.194970861	4.01905674	0.244146381	DYN3
YNL077W	38.010188	37.066956	37.2233183	33.4668114	30.3629953	34.2169363	-0.195212741	5.137027	0.047187159	APJ1
YBL059W	5.26092567	6.90688622	5.74994348	5.61722099	4.1700251	5.87498341	-0.195259662	2.52056344	0.356607918	YBL059W
YLR186W	72.337728	89.9046356	73.054545	60.0155716	67.4371247	78.1824715	-0.195430836	6.20211013	0.08751337	EMG1
YLR119W	5.45821038	6.73421406	6.47625213	4.49377679	5.99441109	5.87498341	-0.195857293	2.57664777	0.337526957	SRN2
YMR105C	99.5630183	100.495194	97.0832562	92.4771961	85.4855146	81.3459242	-0.196064109	6.53728888	0.020378137	PGM2
YPL112C	38.6020421	53.9888273	42.065376	41.3309208	39.8758651	36.4119851	-0.196117932	5.39937075	0.115776086	PEX25
YDR502C	152.303798	139.922003	143.203855	130.733427	123.60215	125.5697	-0.196400037	7.08762814	0.018186296	SAM2
YNL055C	1305.36718	964.604218	1183.39889	986.029234	975.785875	1051.81571	-0.196452094	10.074056	0.084113456	POR1
YPR131C	16.1115849	21.4689047	16.4629961	17.0881775	16.0936906	14.0095758	-0.196493915	4.08955965	0.203841661	NAT3
YHR060W	14.2702609	20.6631013	18.5813963	16.2012479	15.5724375	14.9779797	-0.196867534	4.07603646	0.205843336	VMA22
YPR043W	739.751911	716.70456	646.051544	784.637079	576.636284	472.839324	-0.196937731	9.35812351	0.181574223	RPL43A
YPL226W	1058.62977	999.829337	1110.34435	895.798926	936.952516	931.604512	-0.196994294	9.94980299	0.032257398	NEW1
YLR130C	182.291074	150.742792	166.990464	133.453345	149.925434	152.685008	-0.197343105	7.28651262	0.041446415	ZRT2
YDR202C	20.1888023	29.0664795	20.0945393	20.2811242	17.0710403	23.1771324	-0.197573229	4.44633028	0.23649555	RAV2
YGR240C	1606.6867	1293.89002	1498.98	1310.05419	1278.95973	1246.98137	-0.197712206	10.4228073	0.052660213	PFK1
YNL012W	14.9278766	13.9864446	16.2208932	12.890044	12.5100753	13.9450156	-0.197720286	3.82835398	0.153503894	SPO1
YBR252W	49.5842244	49.5569086	49.7521425	37.9605882	44.5019867	47.4517891	-0.197725879	5.54183888	0.050448092	DUT1
YKR037C	20.6491333	24.9799052	21.8497852	18.5663936	20.8501255	19.4971977	-0.197958002	4.40614683	0.116239264	SPC34
YKL067W	68.5235568	77.8751421	64.2783155	69.2987684	57.4030018	56.8775866	-0.198257298	6.04137789	0.059967087	YNK1
YJR032W	48.9923703	55.4853193	46.4837536	45.5290543	42.9382273	43.1262519	-0.19834609	5.56178126	0.041697351	CPR7
YMR125W	210.897358	244.791559	224.005693	191.222028	199.965735	201.234322	-0.198535786	7.72900862	0.031091083	STO1
YGL259W	1.05218513	0.69068862	1.08946297	0.76867235	0.78187971	0.9038436	-0.198568985	0.00279677	0.642323626	YPS5
YPR134W	14.862115	21.9293637	17.552459	17.679464	14.7254012	14.9779797	-0.198796938	4.09732822	0.222509202	MSS18
YOR046C	172.689885	196.213126	171.590418	156.040486	155.594062	159.334715	-0.198873873	7.39846835	0.026472151	DBP5
YNL074C	35.9715793	40.8657435	36.9812154	31.870338	31.144875	36.2183043	-0.198895998	5.15563334	0.060716918	AIF1
YDL214C	11.7713212	11.0510179	11.0762069	10.1701264	9.51286977	9.8131591	-0.199100106	3.41853904	0.180773537	PRR2
YHR108W	243.975428	267.87207	254.994862	196.307091	229.677164	242.100965	-0.199190375	7.90256322	0.046388687	GGA2
YJL212C	224.37848	188.500436	231.874036	176.262482	190.843805	194.390935	-0.199391237	7.65215238	0.046872954	OPT1
YNL111C	13.6784067	19.7997405	17.9761391	15.4917042	14.3344613	15.0425399	-0.199559632	4.01866799	0.204625972	CYB5
YHL030W-A	8.54900421	11.511477	12.5288242	4.90767729	9.96896627	13.557654	-0.199774852	3.36254231	0.498289167	YHL030W-A
YNL190W	350.837981	253.597839	358.97805	281.688851	279.065899	277.931908	-0.199853125	8.23101685	0.097926335	YNL190W
YPL140C	33.6041627	38.7361202	33.3496722	30.3329934	30.3629953	31.376285	-0.200004848	5.04871942	0.058751835	MKK2
YDR024W	0.460331	0.34534431	0.36315432	0.11825728	0.4560965	0.4519218	-0.200198911	-1.0423433	0.758399412	FYV1
YIL102C	0.460331	0.05755739	0.3026286	0.17738593	0.19546993	0.32280129	-0.20026528	-1.4269061	0.850269407	YIL102C
YAR075W	0	0.34534431	0	0.11825728	0.19546993	0	-0.200690046	-2.0748348	1	YAR075W
YPR158W	8.8120505	13.9864446	11.3183098	10.4657696	10.3599061	8.9093155	-0.200802661	3.43259865	0.287838655	CUR1
YOR229W	37.1552875	43.3982684	41.3399593	36.3641148	36.2922497	33.5067735	-0.200813531	5.25412916	0.048592933	WTM2
YGL116W	43.4683983	45.4703343	45.3942906	40.0300906	37.0741294	39.7691185	-0.200830495	5.39247302	0.030101244	CDC20
YNL174W	27.7513829	33.6710703	29.5365517	24.7157724	30.4933086	24.0164157	-0.200970875	4.83292158	0.114504673	YNL174W
YPR160C-A	0	0	0.36315432	0	0.32578321	0	-0.201125153	-2.0738963	1	YPR160C-A
YDL204W	16.9007237	21.4689047	17.6129848	16.5560198	16.1588473	16.0109438	-0.20180992	4.13721901	0.146128993	RTN2
YOR339C	3.94569425	4.02901696	4.53942906	3.37033259	2.86689226	4.64833852	-0.202254766	2.00928726	0.375459582	UBC11
YER124C	221.221924	272.822006	226.971453	217.061245	208.370942	200.976081	-0.203076491	7.81200774	0.043974041	DSE1
YJL219W	3.35384011	3.62611526	4.72100622	2.42427432	4.10486846	3.67993466	-0.203200192	1.91493683	0.423928563	HXT9
YOR354C	103.771759	134.741839	111.306801	100.223048	100.341229	103.425532	-0.203210397	6.7697726	0.042680616	MSC6
YKL153W	1665.87211	1524.17712	1680.37559	1376.81043	1358.77662	1494.63452	-0.203304355	10.5669065	0.031848331	YKL153W
YOR252W	10.7191361	11.6265918	12.5288242	8.75103902	10.2295928	11.3626053	-0.203440815	3.45873332	0.217303908	TMA16
YBR145W	31.7628387	29.0089221	30.6865404	27.908719	26.1278135	25.3076208	-0.20353291	4.83769816	0.055317102	ADH5
YDR271C	5.85277981	6.40459081	6.65782929	4.73029136	4.56096496	5.55218212	-0.203659374	2.44498028	0.31963843	YDR271C
YKR075C	31.105223	41.6715468	33.8338779	23.119299	32.2562579	37.3158287	-0.203871868	5.05942047	0.208870347	YKR075C
YIR020C-B	10.6533745	11.6265918	9.68411533	8.33713852	9.2522432	10.2005206	-0.203938702	3.33409356	0.215359263	YIR020C-B
YHL012W	33.4726396	33.4408408	37.5259469	24.3610005	31.9267547	34.4751774	-0.203961948	5.02891625	0.118566017	YHL012W
YFL047W	85.2927574	94.6818986	88.9728096	77.7541642	78.0576574	77.7305497	-0.204099464	6.39038498	0.013394995	RGD2
YOR044W	8.02291165	9.15162424	8.53412663	5.26244914	8.07942364	9.03843602	-0.204339952	3.023661	0.324838695	IRC23
YDL055C	2907.71362	2783.82049	2723.53638	2594.44655	2375.80665	2333.27226	-0.204364305	11.3552956	0.029168653	PSA1

YNL191W	30.7764152	36.0884805	29.7786546	29.0912919	27.8218862	26.9861875	-0.204545458	4.9181193	0.068648465	DUG3
YAR068W	2.17013184	1.43893463	1.27104014	1.53734469	1.6940727	0.96840386	-0.204606958	0.70693967	0.571410538	YAR068W
YPL031C	69.115411	65.4427469	62.220441	60.784244	55.3179893	54.4888571	-0.205061544	5.93922411	0.02135721	PHO85
YNL321W	168.086575	136.526118	176.432476	123.105833	144.908372	149.263315	-0.205171485	7.2271289	0.062877764	VNX1
YJR123W	3041.27537	3332.74527	3089.05121	2864.90096	2721.72326	2620.82364	-0.205375721	11.5241648	0.02861296	RPS5
YDR240C	22.8850267	28.4909056	24.0892369	19.4533232	22.4138849	23.6936144	-0.205403344	4.56313026	0.117362019	SNU56
YMR142C	927.632719	1170.37187	964.901041	912.414075	860.458618	882.603277	-0.205969947	9.89666359	0.051169118	RPL13B
YKL026C	1.90708556	2.35985279	1.87629734	2.01037383	2.08501255	1.22664489	-0.20684602	1.03021723	0.501403829	GPX1
YGL109W	3.22231697	4.31680389	3.14733748	3.42946124	2.54110905	3.29257312	-0.207088711	1.79196745	0.373124651	YGL109W
YGL075C	11.9686059	15.8858383	13.0735557	10.8796701	12.5100753	12.1373284	-0.20741857	3.68719237	0.198253371	MPS2
YER059W	27.6198598	34.9948902	26.87342	26.0166025	24.1079576	27.4381093	-0.2074468	4.80677371	0.103114122	PCL6
YMR310C	46.888	48.9813348	52.1731713	35.6545711	45.1535531	47.5163493	-0.207582026	5.52920909	0.067070805	YMR310C
YIL066W-A	6.51039552	5.35283682	6.17362352	3.90249037	5.53831459	6.1977847	-0.207613899	2.51628178	0.332842154	YIL066W-A
YDR151C	37.2210491	51.6865319	40.4917072	34.1763551	38.3772623	39.639998	-0.207654492	5.33673064	0.099415891	CTH1
YGR053C	1.90708556	2.12962325	1.69472018	1.65560198	1.75922934	1.54944617	-0.208412423	0.93311022	0.495593768	YGR053C
YPL269W	40.5091277	43.1104815	37.5259469	35.2997993	34.4027071	35.12078	-0.208942248	5.24017133	0.033320372	KAR9
YPL004C	546.412892	546.967831	510.352878	504.722088	454.07664	428.550988	-0.209013504	8.9618951	0.029068721	LSP1
YDR184C	34.787871	57.5573851	38.1917298	36.2458576	38.3772623	38.4133531	-0.209101434	5.3490967	0.177388431	ATC1
YDR410C	59.8430295	47.1394984	63.0072753	47.9533287	47.6295055	51.3899648	-0.209205327	5.72629452	0.059452951	STE14
YBR239C	32.486216	28.3182335	29.2339231	25.4253161	26.4535968	25.9532234	-0.209212949	4.81228966	0.053281747	ERT1
YKR007W	22.8192651	20.9508882	21.1234766	19.6898378	17.2665102	19.1098361	-0.20922579	4.34255294	0.083029109	MEH1
YPL090C	930.000135	1104.06576	964.235258	980.766785	835.308154	777.176377	-0.209371088	9.8643199	0.059883209	RPS6A
YDR201W	10.3245666	15.1951497	10.2288468	12.1213716	9.05677327	9.74859885	-0.20942424	3.49478718	0.291549951	SPC19
YOR186W	1.38099299	0.97847555	1.1499887	1.00518691	0.84703635	1.16208463	-0.209589504	0.27316823	0.619887107	YOR186W
YBR028C	67.4056101	70.2775673	65.3677785	58.2417124	56.7514354	60.6220816	-0.209605395	5.98286389	0.013277579	YPK3
YOR325W	4.60330996	4.48947604	4.90258338	4.61203408	3.45330204	4.02273595	-0.209617043	2.16229727	0.299512116	YOR325W
YJL042W	372.407776	310.234306	376.167355	291.681591	312.62157	311.18044	-0.20976416	8.36264933	0.035266561	MHP1
YNL152W	33.2753549	43.340711	37.4654212	33.2302968	31.9267547	33.5713338	-0.209871928	5.15459131	0.064031964	INN1
YBR181C	795.780769	957.29443	826.660295	793.151604	701.997664	735.34133	-0.209880129	9.6472059	0.039906372	RPS6B
YBR011C	1100.45413	1128.64277	1018.88998	995.78546	896.555398	915.658129	-0.209975005	9.97938286	0.026810952	IPP1
YDL298C	10.3903282	14.3893463	13.6182872	10.8796701	10.8811593	11.4917258	-0.210321219	3.59545258	0.203317869	YHC1
YDL205C	112.583809	114.481639	109.006823	97.8579025	94.6226012	97.9379103	-0.210335488	6.70814046	0.008344591	HEM3
YGR208W	88.4493128	91.4011276	86.2491521	81.8340405	73.6270058	74.4379766	-0.210580092	6.3716731	0.012149986	SER2
YLR269C	1.31523142	1.5540494	2.42102883	1.65560198	1.36828949	1.54944617	-0.210686691	0.82739389	0.544705198	YLR269C
YBL107C	10.4560898	12.2021657	9.07885812	9.34232544	9.12192992	8.97387576	-0.210772015	3.32174471	0.202805861	MIX23
YAR028W	20.1230407	19.2241666	22.4550424	16.9699203	17.3968235	19.0452759	-0.210789752	4.27255204	0.101910134	YAR028W
YDR341C	523.067535	580.178442	515.98177	480.774988	464.827486	453.535807	-0.210791628	8.97500018	0.022203489	YDR341C
YOR386W	19.005094	19.7997405	15.5551102	14.4865173	18.2438598	14.2678169	-0.210808021	4.08881558	0.173184914	PHR1
YDR524W-C	0.06576157	0.11511477	0.18157716	0.23651457	0.06515664	0	-0.210968249	-2.074654	1	YDR524W-C
YML046W	79.1111698	90.8831111	90.9096326	74.7977321	78.7092239	71.9846868	-0.211076825	6.34355644	0.018078254	PRP39
YGL221C	110.545201	123.230362	107.07	100.932592	98.5168431	95.0326987	-0.211098439	6.72832961	0.014684236	NIF3
YJL077C	12.0343675	11.4539196	11.9840927	11.5892138	8.47036349	10.5233219	-0.211331595	3.47829639	0.189892005	ICS3
YLO56W	21.1094642	24.058987	24.936597	20.5767674	19.1560528	20.82529631	-0.211352661	4.45437918	0.081186192	GPM3
YJL148W	43.7314446	59.7445658	49.3889882	44.5829961	43.1336972	44.417457	-0.211437775	5.57458769	0.061721546	RPA34
YGL058W	23.9372118	32.0019061	25.0576484	24.7157724	22.7396681	22.5315298	-0.211827199	4.66212369	0.109104223	RAD6
YDR331W	58.0674671	65.6729764	64.3388412	52.3879768	52.1904705	57.9105508	-0.211877601	5.87200532	0.021116984	GPI8
YOL009C	14.862115	17.3823303	12.8314528	13.1856872	12.7055452	13.041172	-0.212101334	3.82163581	0.16661168	MDM12
YJR015W	305.528258	249.511265	305.533839	215.346514	245.901168	281.611842	-0.21221721	8.06253612	0.069192366	YJR015W
YDR079W	7.16801122	10.0725424	7.5657151	5.91971136	6.18988101	5.68130264	-0.212234167	2.9746588	0.355117849	PT100
YLR052W	31.0394614	37.8727594	31.3523234	25.2479301	29.7768551	31.6345261	-0.212447201	4.96749065	0.085925797	IES3
YBR058C-A	4.53754839	6.73421406	4.05522329	4.61203408	5.53831459	3.09889235	-0.212624574	2.29383587	0.442410069	TSC3
YOL133W	15.782777	21.1811177	14.4051215	16.2603766	14.0086781	14.0741361	-0.21276662	4.00950175	0.200010399	HRT1
YER078C	51.0967406	50.7080563	46.4232278	42.3361077	40.1364916	45.3858609	-0.213087479	5.52804119	0.024255869	ICP55
YER031C	96.8667939	113.963623	104.9516	95.8475287	88.156937	88.4475525	-0.213148862	6.61750077	0.01743118	YPT31
YEL007W	172.624124	160.126465	166.748361	133.512474	148.687458	148.553152	-0.213688002	7.27760272	0.013869852	MIT1
YDR063W	25.7785358	33.9012998	25.1786999	27.258304	23.8473311	22.079608	-0.213839294	4.72785593	0.125680422	AIM7
YDL048C	96.077655	76.3786501	110.701543	70.363084	82.683779	91.094523	-0.213954806	6.45921994	0.096278556	STP4
YBR127C	969.917409	920.572818	901.167457	826.381901	776.341393	803.06504	-0.21456961	9.75884005	0.018027027	VMA2
YKL196C	74.0475288	89.6168487	70.3914133	66.9336228	69.1311974	65.7223419	-0.214659088	6.18557357	0.031318097	YKT6
YDR205W	154.736976	147.116676	149.559056	131.324714	124.709813	132.865009	-0.214824601	7.13114161	0.008948211	KTR3
YIL120W	21.306749	20.4904291	20.3366422	16.1421193	18.1135465	19.3035169	-0.215017255	4.27809009	0.088552122	QDR1
YPL279C	33.0780701	29.0664795	34.3786094	29.5051924	23.9776444	29.5685978	-0.21544055	4.90968497	0.071679627	FEX2
YKR035C	19.3996634	26.1310529	21.244528	13.1856872	20.1985591	24.2100965	-0.215919997	4.38217909	0.266138092	OPI8
YGR148C	513.860915	616.784939	487.474155	532.749065	443.716734	416.60734	-0.216019037	8.97162413	0.06782974	RPL24B
YBR272C	36.8922413	44.9523178	38.7364613	37.3693018	33.8162973	32.6029299	-0.216701061	5.23063622	0.047469937	HSM3
YHR005C	82.9253409	86.6238646	80.0755286	72.3734578	73.040596	69.4022766	-0.216741708	6.27689942	0.008434864	GPA1
YPL238C	77.6644152	105.272457	72.5703392	101.169106	69.6524506	49.0012353	-0.216752508	6.311322	0.27875262	YPL238C
YDR339C	29.72423	40.9808582	27.7813058	29.8599642	27.691573	27.2444286	-0.216786838	4.94038035	0.124428537	FCF1
YCR075W-A	3.68264797	4.2592465	3.08681176	3.01556074	3.64877197	2.84065132	-0.217235768	1.82778682	0.350129299	YCR075W-A
YGL108C	5.85277981	5.06504989	5.74994348	5.02593457	5.01706145	4.26097698	-0.217317456	2.4022319	0.250813496	YGL108C
YIL110W	48.268993	58.4207459	46.0600735	39.8527047	44.9580832	46.677066	-0.217615249	5.57012915	0.049758852	HPM1
YKR051W	62.8023002	56.8666965	60.2836179	48.3081005	54.8618928	51.5836456	-0.217658942	5.80479556	0.016898051	YKR051W
YPR016W-A	0.460331	0.23022954	0.06052572	0.11825728	0.19546993	0.32280129	-0.217745615	-1.5095326	0.843360688	YPR016W-A

YHR063C	92.0661992	115.920574	101.622685	83.1939993	92.5875887	90.5780409	-0.217978822	6.58704947	0.026296223	PAN5
YMR143W	561.143484	554.450291	589.09684	468.121459	491.150769	506.087857	-0.218289504	9.04567462	0.014909074	RPS16A
YAL033W	17.2952931	20.778216	17.6129848	16.3195052	15.3118109	16.2691848	-0.218345578	4.12159249	0.102655585	POP5
YDR143C	111.79467	116.43859	114.635715	93.0684825	101.904988	99.8101577	-0.218445243	6.7334183	0.007808324	SAN1
YGR153W	5.85277981	5.12260728	5.08416055	4.19813358	4.56096496	5.03570007	-0.218601663	2.34876815	0.251321506	YGR153W
YBR238C	136.915591	120.467607	150.466942	97.8579025	123.015741	129.636997	-0.218824368	6.98299375	0.055926904	YBR238C
YNL037C	172.163793	142.051627	156.398463	132.448158	137.806298	133.897974	-0.219288412	7.18890407	0.01631153	IDH1
YGL105W	633.81002	670.831324	590.186303	577.568575	537.346829	512.479322	-0.219470661	9.1976574	0.021644217	ARC1
YGR084C	32.5519776	40.1750548	35.1654438	26.1348598	30.4933086	36.1537441	-0.219610176	5.06946462	0.09509661	MRP13
YCL051W	71.6801122	68.7810752	69.8466818	58.2417124	61.1820871	61.1385636	-0.220031163	6.02833416	0.008068689	LRE1
YBL072C	1133.79524	1518.82428	1182.36996	1110.14025	1155.29242	1026.83089	-0.220183513	10.21436	0.061082597	RPS8A
YKR010C	43.1395905	48.5208757	46.1205992	39.5570615	39.9410217	38.8007146	-0.220721024	5.42021759	0.017619326	TOF2
YGR230W	4.20874054	6.9644436	4.29732618	5.55809235	3.84424189	3.87361544	-0.221111509	2.30632251	0.386827817	BNS1
YMR060C	23.0165498	30.2176272	26.3892143	22.4097553	23.5867045	22.4024093	-0.221178044	4.63330079	0.079049059	SAM37
YOL086C	14643.6551	11205.8473	13960.8022	12759.4288	11252.9431	10136.9288	-0.221279652	13.5895013	0.068104438	ADH1
YIL148W	1009.30859	1081.10037	939.722341	920.751213	864.954426	813.07188	-0.22153239	9.87389713	0.023163134	RPL40A
YNR045W	31.6970772	33.7286277	35.770701	29.1504205	29.7114289	27.9545914	-0.221607368	4.9759926	0.031825968	PET494
YBR277C	1.77556241	1.43893463	1.57366874	1.18257284	1.62891606	1.29120515	-0.221825576	0.67922751	0.491850502	YBR277C
YGL070C	14.6648303	17.2096582	13.3156586	13.8361022	13.9435214	10.9752437	-0.221838033	3.82094501	0.166050822	RPB9
YDR320C-A	6.51039552	10.1300998	6.17362352	5.67634963	5.92925445	8.0054719	-0.222182515	2.85028565	0.351366633	DAD4
YOR280C	23.0823114	32.4048078	23.2418768	21.463697	23.5867045	22.5315298	-0.222273951	4.6167046	0.123625764	FSH3
YNL030W	181.567697	280.362023	184.906077	208.54672	174.228861	171.665724	-0.222479016	7.64670887	0.133264102	HHF2
YPR185W	60.4348836	61.6439595	60.5862465	47.8350714	52.9071935	55.7800623	-0.223627271	5.8241554	0.013271689	ATG13
YOL097C	311.4468	343.272245	316.428468	271.459595	280.108405	280.191517	-0.22365325	8.23180871	0.012040117	WRS1
YLR306W	7.69410379	9.32429639	7.8683437	6.50415062	7.88395371	6.97250778	-0.224023408	2.97070596	0.19499977	UBC12
YKL053C-A	6.64191866	8.34582085	4.72100622	8.33713852	4.75643489	3.74449492	-0.22408338	2.64372619	0.459304046	MDM35
YER051W	23.4768808	26.0734955	22.0313624	20.5767674	20.3288724	20.4010413	-0.224123448	4.47798322	0.059266218	JHD1
YHR067W	19.1366171	23.9438722	21.5471566	17.7977212	17.4619801	20.1428003	-0.224152335	4.33252222	0.088519178	HTD2
YKR083C	2.69622441	3.28077095	3.32891464	1.65560198	3.64877197	2.71153081	-0.224464613	1.58799294	0.453763159	DAD2
YIL124W	143.689032	136.69879	135.274986	118.257284	119.301812	118.145271	-0.224563289	7.00772785	0.005504773	AYR1
YNR009W	25.7785358	37.7576447	28.8102431	25.9574738	25.867187	27.3089888	-0.224580613	4.84480632	0.104707033	NRM1
YOR045C	8.02291165	7.30978791	8.17570379	7.45020889	5.47315795	7.61811036	-0.224783208	2.91879381	0.219431587	GIP1
YGL174W	7.10224965	8.1155913	7.68676654	6.20850741	6.7762908	6.6497065	-0.224953593	2.85216509	0.173767896	BUD13
YDR167W	16.1773464	19.7997405	16.9472018	13.1265585	14.3996179	17.818631	-0.225455351	4.04534689	0.147958661	TAF10
YLR200W	6.18158766	6.73421406	6.47625213	5.43983506	6.05956773	5.10026032	-0.225826699	2.61550095	0.208805499	YKE2
YEL040W	572.980567	484.863412	563.373409	430.456514	460.136208	495.435414	-0.226094165	8.96958371	0.024668465	UTR2
YPR139C	45.967338	50.7656137	47.8758451	38.4336173	41.3744678	43.8364147	-0.227192956	5.48676191	0.017613335	LOA1
YLR294C	22.227411	35.3402345	22.2129395	19.15768	24.7595241	24.339217	-0.227331857	4.63351417	0.204171868	YLR294C
YKR058W	44.1917756	41.9593338	44.9706106	37.3693018	39.159142	35.379021	-0.228284696	5.34454669	0.016188628	GLG1
YLR253W	69.575742	70.7955837	69.9072075	66.2832077	57.3378452	55.7800623	-0.228353244	6.02436379	0.012496255	MCP2
YPL283C	146.911349	118.337984	117.419898	111.694005	125.947789	88.8994743	-0.228457277	6.88646269	0.067063927	YRF1-7
YGR296W	146.911349	118.337984	117.419898	111.694005	125.947789	88.8994743	-0.228457422	6.88646269	0.067118875	YRF1-3
YOL070C	71.877397	71.7165019	71.7229791	61.9076882	59.031979	62.8171303	-0.228497789	6.05842084	0.005627376	NBA1
YOR187W	619.671282	523.714647	554.657705	488.52084	479.031634	481.361278	-0.228793688	9.0351017	0.015855998	TUF1
YGR034W	653.933061	661.6797	642.480526	612.572731	527.899116	530.297953	-0.228861496	9.2406822	0.016443214	RPL26B
YJL177W	654.656438	824.509542	658.761945	663.837264	579.698646	580.719514	-0.228923571	9.36747174	0.040622666	RPL17B
YDR005C	34.4590631	42.0744485	36.0128039	31.5155662	33.1647309	31.4408453	-0.228979146	5.1260447	0.03389544	MAF1
YPR046W	7.03648808	8.97895208	5.8104692	6.44502198	6.18988101	6.00410393	-0.229052289	2.78307062	0.258817434	MCM16
YGL162W	24.0687349	23.310741	25.6023799	21.8184689	20.2637157	20.1428003	-0.229093887	4.50256406	0.045652687	SUT1
YCR038C	23.4111192	23.4258558	21.7892595	16.4377625	20.6234423	21.6276862	-0.229694755	4.41408738	0.082483785	BUD5
YLR344W	427.121403	456.948081	439.537784	369.435755	378.625248	380.518156	-0.230040332	8.67537122	0.008773376	RPL26A
YGL005C	15.9800617	22.9653967	17.552459	17.2655635	15.6375941	15.300781	-0.230394392	4.13818859	0.138865032	COG7
YFR007W	21.8328415	23.0805114	20.6392708	19.0394227	17.9832333	18.8515951	-0.230419917	4.34856186	0.051913297	YFH7
YGL129C	45.7700533	66.9392389	53.0205314	43.6369378	50.2357712	47.5163493	-0.230691824	5.68202202	0.068677811	RSM23
YOR011W	121.264337	92.1493736	109.127875	84.4357008	94.6726012	95.613741	-0.231164273	6.63871901	0.027501118	AUS1
YHR144C	25.5154895	33.6710703	28.2655116	23.2375563	24.1079576	27.2444286	-0.231570063	4.76298748	0.073178054	DCD1
YJL214W	13.1523142	11.2236901	12.2867213	8.21888124	10.8811593	12.1373284	-0.23214488	3.51394419	0.186805082	HXT8
YER012W	82.8595793	114.769426	86.9149351	81.7157833	81.5109595	79.0863151	-0.232435401	6.45892543	0.040180074	PRE1
YBR147W	5.52397195	5.46795159	5.74994348	3.90249037	5.47315795	4.90657955	-0.232751604	2.40318157	0.243862571	RTC2
YER158C	69.115411	60.6654839	76.4439854	53.1566492	57.8590983	64.4311367	-0.233316805	5.9938394	0.027896175	YER158C
YEL051W	107.58593	129.791903	121.35407	107.200228	99.9441927	98.5189526	-0.233354842	6.79196353	0.011172019	VMA8
YNL194C	6.11582609	5.46795159	5.74994348	4.43464815	4.30033839	6.00410393	-0.23372457	2.45022066	0.255520733	YNL194C
YPR036W	359.452746	373.950331	356.193867	300.728273	307.474195	318.217508	-0.234124321	8.39289918	0.007542093	VMA13
YOL067C	19.005094	17.1521008	18.8234992	13.4222017	18.0483899	15.300781	-0.234236964	4.09349371	0.107056389	RTG1
YLR177W	81.21554	74.4792564	77.3518712	64.4502198	64.3747626	69.2085958	-0.234566359	6.16930239	0.005413281	YLR177W
YLR412W	26.5019131	37.066956	25.7839571	23.0601704	26.3884401	26.598826	-0.234606674	4.79247705	0.107929161	BER1
YPL035C	2.17013184	3.62611526	2.42102883	2.83817482	2.47595241	1.67856669	-0.234620134	1.42109266	0.425796861	YPL035C
YGR082W	119.423013	110.913081	126.135602	98.3309317	107.769086	96.8403859	-0.234726495	6.78169817	0.007612332	TM020
YLR227C	24.2660196	32.5199226	28.7497174	19.4533232	25.867187	27.5026696	-0.23473168	4.72944057	0.117586442	ADY4
YBL005W	100.549442	93.1278492	97.4464105	80.6514677	83.7262853	82.9599306	-0.234958582	6.48971302	0.003869869	PDR3
YDL079C	22.4246957	19.281724	20.2155907	18.9802941	17.1361969	16.3983053	-0.235288183	4.26294908	0.068496515	MRK1
YDR344C	3.68264797	2.24473802	3.38944036	2.12863111	2.60626569	3.16345261	-0.235435312	1.57485096	0.376282807	YDR344C
YBR218C	533.786671	457.984114	528.692171	439.444067	435.702467	416.155418	-0.235580195	8.87267205	0.013512	PYC2

YDR472W	40.0487967	48.0604166	40.6127587	34.0580978	36.6831896	38.6715941	-0.235993028	5.31570445	0.027729436	TRS31
YFL034C-A	23.7399271	34.1890868	23.6050311	25.8392166	23.5215479	19.8845592	-0.236307265	4.66076378	0.136351677	RPL22B
YCR046C	67.0768023	60.5503692	65.3072527	57.2956541	53.7542299	52.6166097	-0.23633582	5.89631565	0.007204915	IMG1
YNL066W	483.281784	379.648512	477.668989	386.22829	379.016188	372.512684	-0.236547242	8.69060572	0.024812251	SUN4
YBR184W	4.66907153	7.3673453	5.14468627	5.2033205	5.0822181	4.32553724	-0.237033167	2.44508281	0.300525665	YBR184W
YBR291C	24.1344965	25.4403642	23.6050311	18.4481363	20.5243423	23.1771324	-0.237205465	4.50334288	0.055494972	CTP1
YNL070W	4.86635624	3.51100049	3.99469757	2.9564321	4.1700251	3.35713338	-0.237336468	1.970793	0.30869335	TOM7
YNR032C-A	1.70980084	2.24473802	1.81577162	1.41908741	1.62891606	1.87224746	-0.237867959	0.93298868	0.427837288	HUB1
YPL013C	11.5740365	13.9288872	13.6182872	11.4709566	10.9463159	10.781563	-0.238019958	3.60830919	0.108897251	MRPS16
YBR251W	24.2002581	26.6490693	26.5707914	23.5331995	22.5441982	19.561758	-0.238026512	4.58415804	0.046579232	MRPS5
YGR158C	37.7471417	45.6430064	40.7943358	34.7085129	39.0939854	31.5699658	-0.238118749	5.2631476	0.03563698	MTR3
YDR494W	30.2503226	37.2396282	30.6260147	25.3661874	29.9068988	28.0191517	-0.238286023	4.92468007	0.047287522	RSM28
YKL080W	619.14519	576.49477	638.364777	500.110054	514.411691	540.175673	-0.238357918	9.14187	0.009264906	VMA5
YHR051W	76.4807069	91.458685	76.5045111	80.6514677	68.9357275	57.5877495	-0.238407438	6.23710075	0.044708369	COX6
YLR066W	21.7013184	27.7426596	21.0629508	19.0985514	21.4365353	19.3035169	-0.238573651	4.45064745	0.081593579	SPC3
YGR108W	142.702609	170.887876	151.072199	135.936748	129.857188	128.08755	-0.238663234	7.16231119	0.008960567	CLB1
YOR028C	6.90496494	11.9719361	7.98939514	8.51452445	8.53552014	5.7458629	-0.238913615	3.07673592	0.31701175	CIN5
YPL143W	936.773577	907.219505	924.530385	776.77297	762.463028	805.64745	-0.239588636	9.73532509	0.007283882	RPL33A
YNL143C	0.32880785	0.46045908	0.90788581	0.59128642	0.26062657	0.58104232	-0.239961548	-0.6212227	0.713409191	YNL143C
YPR015C	3.22231697	2.87786926	2.48155455	1.8329879	2.34563912	3.09889235	-0.240156563	1.46436865	0.373781087	YPR015C
YLR388W	4.66907153	2.99298403	3.08681176	2.89730346	2.9320489	3.22801286	-0.240176688	1.77086611	0.32380933	RPS29A
YOL121C	261.533767	344.883852	272.002589	232.730335	259.06281	251.978684	-0.240320022	8.07956534	0.031967245	RPS19A
YDR524C	55.8973352	63.9462549	61.9178124	45.8838262	56.0347123	52.1001276	-0.240360755	5.50981576	0.016616975	AGE1
YJR012C	11.2452286	16.4614122	12.4682985	12.1213716	11.0766292	10.8461232	-0.240616211	3.64673107	0.166890371	YJR012C
YBR124W	4.14297896	3.62611526	3.2078632	2.36514568	3.32298876	3.61537441	-0.240775532	1.80493941	0.321106275	YBR124W
YMR263W	12.1658906	14.6771332	11.7419898	11.5892138	9.38255649	11.6854066	-0.240920327	3.58708733	0.14605124	SAP30
YOR249C	26.5019131	35.1100049	24.7550198	25.1888015	25.3459338	22.59609	-0.241020139	4.74065593	0.083957152	APC5
YOL093W	26.8964825	24.1741018	29.3549746	23.8879714	21.2410654	22.8543311	-0.241155462	4.63603599	0.043224875	TRM10
YLR448W	701.21563	806.148736	696.045789	668.390169	578.395513	616.679577	-0.241746563	9.40506834	0.016175389	RPL6B
YMR298W	77.7301768	77.5873552	67.6677558	61.6711736	65.6778954	61.1385636	-0.242496276	6.10236977	0.007289599	LIP1
YPL168W	19.7284713	21.1811177	19.3077049	16.6151484	17.3316668	16.9793477	-0.24257886	4.22160155	0.049781646	YPL168W
YIL162W	168.152337	118.913558	151.011673	115.596495	122.429331	132.154847	-0.242618181	7.07474824	0.036270465	SUC2
YLR385C	4.47178682	2.99298403	3.87364613	2.06950247	2.9320489	4.58377827	-0.242961858	1.84469517	0.401519034	SWC7
YDR541C	34.9851557	29.7571681	34.7417637	26.9626608	26.1278135	30.9243632	-0.243122949	4.9402054	0.03451562	YDR541C
YER053C	33.2753549	34.3042015	32.3812606	28.9139059	27.9521995	27.5672299	-0.243330849	4.94801495	0.015121296	PIC2
YER146W	17.0322469	16.6340843	15.6761617	14.8412891	13.291955	13.4930938	-0.243783962	3.93491084	0.067889746	LSM5
YOR084C-A	740.54105	856.166104	758.084653	666.20241	648.308591	674.202767	-0.243810326	9.49997283	0.010187985	RPL19A
YGL076C	1737.4207	1876.48587	1628.02084	1450.2482	1447.45481	1528.27041	-0.244116027	10.6541467	0.010233194	RPL7A
YKL180W	1282.21911	1377.17555	1306.68979	1139.23155	1129.55555	1079.70574	-0.244211553	10.251763	0.007303853	RPL17A
YMR193C-A	10.4560898	10.5905589	8.95780668	7.27282297	8.014267	10.0714001	-0.244211957	3.22460817	0.172334377	YMR193C-A
YOL077C	97.8532174	138.080167	112.154161	103.475124	101.839832	88.576673	-0.244591435	6.74366751	0.037326629	BRX1
YPR073C	17.4268163	26.2461676	19.7919107	20.6950247	17.4619801	15.4299015	-0.244689228	4.29848675	0.147477463	LTP1
YML036W	22.1616494	24.9223478	21.6076823	19.9263524	17.5271368	20.5301618	-0.244750865	4.40961917	0.049511017	CGH121
YMR073C	24.6605891	30.9658732	22.5155681	20.7541533	22.6745115	22.59609	-0.244770071	4.59504223	0.071295965	IRC21
YNL162W	318.15448	477.726297	314.975851	304.275992	307.148412	326.15842	-0.244813066	8.41604767	0.078644716	RPL42A
YAL038W	15438.1206	12987.1908	15530.4763	12460.9474	12126.8891	12506.613	-0.244846565	13.7215787	0.014490442	CDC19
YBL029W	21.8986031	20.8933308	20.4576936	20.3402529	18.8302696	14.1386963	-0.24491944	4.29008676	0.093420874	YBL029W
YLR154W-A	14.862115	6.56154191	14.7077502	11.1161847	7.88395371	11.4271655	-0.245165682	3.48475507	0.371767194	YLR154W-A
YOR135C	29.8557532	30.7356437	31.4128491	24.2427432	23.71170178	29.6977183	-0.245293286	4.82812285	0.036908242	IRC14
YHR035W	13.0865526	15.8282809	15.4945845	11.5892138	11.3372558	14.5906181	-0.24544761	3.78570963	0.123167073	NEL1
YER081W	90.7509678	97.6748826	98.5358735	81.3610114	81.7064294	79.0217549	-0.245598683	6.46458468	0.002819284	SER3
YLR068W	8.3517195	11.2812475	9.26043528	7.62759482	7.23238729	9.55491807	-0.245974097	3.17395778	0.192692423	FV7
YNR003C	30.9736999	33.2106112	31.8970549	24.1244859	30.8842484	26.0823439	-0.246305264	4.89018682	0.034946477	RPC34
YER112W	19.9915175	26.4763972	24.6944941	17.0881775	20.394029	22.59609	-0.247057392	4.46022512	0.090808259	LSM4
YOL135C	16.243108	18.0154615	17.0682533	14.7230319	14.6602445	13.8804553	-0.247163365	3.99121165	0.05871322	MED7
YBR254C	13.8756915	18.9363797	16.2208932	14.1908741	11.9236655	15.2362207	-0.247313578	3.92749594	0.127372238	TRS20
YMR211W	23.0823114	33.7286277	27.6602544	22.9419131	23.5215479	24.7911388	-0.247603446	4.70649492	0.074891829	DML1
YGL251C	24.3975428	25.2101347	23.2418768	20.0446096	20.589499	20.7238426	-0.248073641	4.49175651	0.028141262	HFM1
YJL011C	6.57615709	10.2452146	7.68676654	7.68672346	6.84144744	6.13322444	-0.248265514	2.94157411	0.219649229	RPC17
YGR271C-A	10.1930435	15.1951497	12.1656699	9.69709729	10.2295928	11.7499668	-0.248496206	3.5465525	0.172874933	EFG1
YKL214C	21.0437027	26.6490693	23.0602996	21.1089252	19.0257395	19.4326374	-0.249131291	4.45100212	0.051534781	YRA2
YHR128W	144.215125	133.82092	147.622233	112.048777	120.930728	125.117779	-0.249421549	7.03063041	0.003798496	FUR1
YBR185C	36.8922413	35.9733657	40.0680272	30.7468938	30.3629953	33.8941351	-0.249573935	5.12039166	0.014441745	MBA1
YJR101W	46.5591922	56.2911227	48.6626795	41.0944062	44.1762035	42.2869685	-0.249589492	5.54395248	0.012588879	RSM26
YBR037C	37.9444264	38.4483333	36.9206897	34.1172264	34.2072372	26.9216273	-0.249982111	5.12505276	0.026325661	SC01
YJL137C	23.9372118	24.4043313	22.8787225	19.0394227	22.4138849	18.4642336	-0.250018823	4.45831901	0.041793515	GLG2
YEL047C	309.408191	235.697492	309.225908	228.650459	240.362853	249.267153	-0.25011149	8.03457119	0.025375439	FRD1
YDR025W	793.939445	1004.31881	833.983907	618.071695	632.3621286	682.395917	-0.250319538	9.6576619	0.051255321	RPS11A
YJR122W	32.6177391	39.0814645	34.5601866	30.1556074	29.3856457	29.8268389	-0.250776757	5.03343838	0.019205455	IBA57
YDR089W	173.281739	170.254745	170.86411	147.348576	142.367263	142.484488	-0.251045108	7.30286881	0.002175125	YDR089W
YCR012W	9558.24704	7194.3278	9158.26786	7418.92984	7022.90869	7324.49031	-0.251450189	12.9560684	0.026176491	PGK1
YOR164C	115.937649	144.008578	119.417247	119.972015	103.468748	95.2263795	-0.251514241	6.86421244	0.020543508	GET4
YCL050C	212.344112	257.511741	214.200526	194.237589	192.993974	187.418427	-0.251623688	7.71379822	0.010445131	APA1

YPL241C	22.1616494	25.555479	23.3629282	17.502078	22.0881017	20.2073605	-0.25175934	4.45568554	0.050447769	CIN2
YKL132C	18.9393324	16.5189695	17.3708819	15.3143183	14.3344613	14.6551784	-0.251884487	4.02794353	0.053935301	RMA1
YDL082W	596.260163	757.742975	586.675812	576.326874	535.848226	517.644143	-0.251888899	9.21733524	0.024344602	RPL13A
YNL153C	17.4925779	22.9078393	19.3077049	18.5072649	15.4421242	16.2046246	-0.252058408	4.20683934	0.082037991	GIM3
YDR347W	94.5651389	88.177914	90.8491069	76.1576909	77.8621875	75.6000613	-0.252472712	6.39221849	0.001780069	MRP1
YDR451C	38.3389958	49.3842365	38.8575128	33.2302968	36.2922497	36.7993466	-0.253241035	5.28399045	0.029704813	YHP1
YLR447C	358.137515	432.486192	376.651561	321.009397	340.117673	318.152948	-0.253505499	8.48343981	0.009500008	VMA6
YPL211W	30.7106536	51.2260728	36.0128039	28.4408768	34.9239603	35.7018223	-0.253584179	5.18296983	0.119941076	NIP7
YJR135W-A	10.4560898	10.8783458	10.7735783	7.27282297	9.31739984	10.3942014	-0.253670682	3.31739117	0.142317351	TIM8
YEL066W	22.4904572	28.6635778	22.757671	22.6462699	18.3741731	20.9175234	-0.255282874	4.51077083	0.061680189	HPA3
YCR018C-A	66.1561403	76.7815518	63.733584	63.267647	59.2925445	50.5506814	-0.255571218	5.98752888	0.016075525	YCR018C-A
YBR144C	0.06576157	0.17267216	0.06052572	0	0.13031328	0.12912051	-0.255596457	-2.2053708	1	YBR144C
YGR111W	56.8837588	62.6799924	46.5442793	51.0871467	43.9155769	44.0946557	-0.25559689	5.67283142	0.027684322	YGR111W
YLR244C	365.634334	412.974238	368.420062	324.793631	312.947353	323.059527	-0.255661949	8.45717564	0.005288234	MAP1
YIR001C	20.5176101	28.4909056	23.1208253	19.6307091	20.1334025	20.7238426	-0.256107086	4.47599034	0.062440941	SGN1
YHL021C	98.5765947	84.7820283	91.7569927	81.8340405	73.952789	74.3734164	-0.256393088	6.39812653	0.004106564	AIM17
YMR242C	686.353515	762.577796	695.864212	690.445153	565.755125	539.142708	-0.256528115	9.35941684	0.018552673	RPL20A
YPR170W-B	35.7742946	30.8507584	31.2312719	23.4149422	29.2553324	29.2457965	-0.256853614	4.91019926	0.033842933	YPR170W-B
YBR082C	179.200281	236.963755	171.408841	155.626586	159.11252	177.088786	-0.256932483	7.49226799	0.031876331	UBC4
YDL192W	294.217268	374.928807	306.018044	256.44092	281.281225	278.44839	-0.25701445	8.22257206	0.015500533	ARF1
YMR178W	39.4569425	47.7726297	37.5259469	33.7624546	34.0769239	36.6056659	-0.257473639	5.26088969	0.02165229	YMR178W
YDL118W	3.6168864	1.89939371	2.23945167	1.47821605	2.54110905	2.45328978	-0.257607408	1.30701755	0.403446526	YDL118W
YDL211C	27.5540982	26.2461676	30.2628604	23.0010417	24.042801	23.2416926	-0.258216601	4.69222585	0.020963271	YDL211C
YKR055W	21.76708	30.2751846	24.0287112	18.5663936	23.6518611	21.4985657	-0.258340532	4.55094889	0.079454878	RHO4
YFL017C	42.0874054	47.4272854	49.2679367	43.0456514	37.0089728	35.895503	-0.259009147	5.41306378	0.014455915	GNA1
YKL193C	35.4454867	43.3982684	35.7101753	37.4284304	32.2525379	26.0177837	-0.259092863	5.13763186	0.054910401	SDS22
YDR023W	601.521089	709.567444	605.378259	569.645337	531.156948	500.600235	-0.259129663	9.19590373	0.010323822	SES1
YOR315W	167.494721	201.796192	168.685184	176.735511	150.96794	121.760645	-0.259220411	7.36404574	0.039477262	SFG1
YLR342W-A	0	0.05755739	0.24210288	0.11825728	0.06515664	0.06456026	-0.259289733	-2.2056687	1	YLR342W-A
YNL057W	10.8506592	10.5905589	11.6814641	7.15456568	10.0341229	10.5233219	-0.259931091	3.35813114	0.147204835	YNL057W
YDL127W	45.8358149	63.3131237	50.7810797	40.3257339	44.3716734	49.0012353	-0.260023621	5.61727642	0.034204108	PCL2
YNR028W	58.8566059	69.644436	53.6257886	50.9688894	48.4113852	52.7457302	-0.260182285	5.80358973	0.013489957	CPR8
YPL065W	14.6648303	22.7927245	16.0998417	15.196061	15.3769676	14.2032566	-0.260413234	4.04855721	0.130645156	VPS28
YPL079W	536.28561	741.684465	563.494461	563.495958	508.743063	465.027533	-0.260526094	9.13774529	0.037944512	RPL21B
YJR050W	10.1930435	11.6265918	10.9551555	9.34232544	9.31739984	8.71563473	-0.260648175	3.34518557	0.084524301	ISY1
YOR115C	19.8599944	25.0950199	22.757671	20.4585101	19.7424626	16.3337451	-0.26092483	4.38272206	0.057759364	TRS33
YHL004W	103.245666	107.459638	107.977886	79.3506376	90.0464796	96.6467051	-0.261101914	6.60852438	0.004196386	MRP4
YCR086W	7.82562693	10.763231	9.19990956	9.04668223	7.75364043	6.39146547	-0.261138462	3.11274109	0.173760117	CSM1
YKL042W	25.6470126	26.1310529	29.8997061	24.8340296	23.3912346	19.8845592	-0.26136816	4.64996591	0.036125663	SPC42
YDR426C	2.89350912	2.82031187	2.66313171	2.12863111	1.88954263	2.96977183	-0.26175524	1.42467779	0.323050896	YDR426C
YBL052C	86.0818963	86.9116516	83.6465461	72.5508437	72.2587163	69.2085958	-0.261885491	6.29604301	0.001159412	SAS3
YGL234W	1941.15005	1518.19115	1871.69739	1396.5594	1489.28537	1559.32389	-0.262160291	10.6701905	0.016592536	ADE5,7
YOL071W	13.3495989	13.007969	12.6498756	11.5892138	10.4250628	10.4587617	-0.262278443	3.59047736	0.067374909	SDH5
YNR042W	17.6898626	12.7201821	15.4945845	16.023862	12.1842921	9.94227962	-0.263105804	3.82145257	0.163437621	YNR042W
YKL086W	1.38099299	1.78427894	1.63419446	1.71473062	1.43344613	0.83928334	-0.263217141	0.67656894	0.391871881	SRX1
YPR132W	422.38657	655.923961	440.203567	436.901536	430.229309	398.013986	-0.263453042	8.85835221	0.064084662	RPS23B
YHL018W	6.18158766	4.2592465	5.44731487	4.49377679	4.88674817	3.80905518	-0.263480526	2.31078835	0.211925071	YHL018W
YGL254W	15.6512539	20.2601996	17.1893047	12.4170148	14.9860277	16.9147874	-0.263889013	4.03312224	0.097346688	FZF1
YKL115W	84.437857	97.0993087	82.5570832	69.0622539	74.0831023	76.8912664	-0.264105394	6.33675504	0.004104976	SNF4
YJR034W	3.6168864	4.89237774	3.26838892	4.02074766	3.51845868	2.259609	-0.264236456	1.90255968	0.316265335	PET191
YOR304C-A	2.30165498	2.41741018	1.99734879	1.89211654	1.62891606	2.06592823	-0.264322783	1.1227725	0.336750687	BIL1
YGL186C	233.322053	194.14106	230.663522	171.650448	181.852189	194.390935	-0.264370634	7.65188094	0.008068415	TPN1
YEL053W-A	603.033605	648.959517	645.627864	496.266692	529.984128	553.668766	-0.264424538	9.17922409	0.004129029	YEL053W-A
YDR086C	11.1137055	18.9939371	12.0446184	14.7230319	11.0766292	9.29667705	-0.264568054	3.70624211	0.240695834	SSS1
YGR065C	73.5214362	69.1264196	77.7150255	58.8921274	62.3549066	62.1715277	-0.264791335	6.0751496	0.002209312	VHT1
YDR493W	6.57615709	9.32429639	8.29202375	7.56846618	6.25503766	6.32690521	-0.264925802	2.91489093	0.160344767	MZM1
YGR044C	49.9130323	60.0323527	47.8758451	43.3412946	43.4594804	44.6111378	-0.265068688	5.59545978	0.010248571	RME1
YGR085C	315.787063	452.170818	324.781018	299.663958	291.966914	317.571905	-0.265436151	8.38293235	0.036085478	RPL11B
YDR260C	20.5833717	19.6270683	18.7629734	16.851663	16.3543172	15.817263	-0.265470221	4.18018265	0.032300389	SWM1
YOR394W	0.13152314	0.34534431	0.12105144	0.11825728	0.13031328	0.25824103	-0.26560681	-1.6911352	0.824382678	PAU21
YPL282C	0.13152314	0.34534431	0.12105144	0.11825728	0.13031328	0.25824103	-0.265611888	-1.6911352	0.824371477	PAU22
YJR103W	110.216393	92.8976196	108.885772	91.1172373	88.4175636	79.8610382	-0.265673019	6.57526663	0.005020261	URA8
Q0070	0.19728471	0	0.12105144	0.17738593	0.06515664	0	-0.266305903	-2.2052824	1	A15 ALPHA
YLR111W	0.39456943	0.57557385	0.60525721	0.7095437	0.26062657	0.32280129	-0.266592845	-0.7162916	0.694168949	YLR111W
YBR048W	956.041717	913.608374	969.44047	659.580002	804.684532	895.709009	-0.266706434	9.75926157	0.018276266	RPS11B
YLR123C	1.38099299	1.03603293	0.78683437	0.65041506	0.58640978	1.42032566	-0.266773405	0.13121131	0.520519617	YLR123C
YER155C	461.383181	424.60083	442.866699	345.547784	393.155179	365.281936	-0.267471967	8.6638828	0.003915093	BEM2
YOR143C	18.3474783	26.6490693	20.3366422	17.2064348	18.1787032	18.9807156	-0.267515202	4.32923763	0.077430789	THI80
YDL240W	111.465863	119.08623	112.396264	83.4305139	99.0380962	102.521689	-0.267777354	6.71125576	0.004330383	LRG1
YDR322W	49.9787939	57.384713	46.181125	42.454365	43.3943237	41.7059262	-0.268165441	5.55432551	0.007987455	MRPL35
YNL019C	5.98430295	3.56855788	5.02363483	4.25726222	3.77908525	4.00273595	-0.268506607	2.18563353	0.227053166	YNL019C
YJL090C	42.6792595	52.3772205	45.6363935	37.0736585	40.3971182	39.4463172	-0.268602554	5.42889537	0.009168828	DPB11
YPR006C	15.0593997	19.9148553	15.2524816	16.1421193	11.7933522	13.7513348	-0.268679818	3.95216632	0.109478397	ICL2

YBR128C	7.56258065	7.07955837	8.35254947	6.74066519	5.01706145	7.29530907	-0.2692408	2.8356814	0.15203269	ATG14
YPL268W	59.5142216	66.1334355	61.0099266	52.2105909	54.275483	48.4201929	-0.269470324	5.83462948	0.00290027	PLC1
YLR154C	9.27238149	11.1661327	8.11044659	8.57365309	6.97176072	8.13459242	-0.269631788	3.14524933	0.13480466	RNH203
YBR010W	147.568965	209.681554	156.761617	164.318496	138.913961	122.98729	-0.27026878	7.29356268	0.043997635	HHT1
YLL053C	7.8913885	5.69818113	5.38678915	4.55290543	5.92925445	5.22938084	-0.270287381	2.55772459	0.204378224	YLL053C
YGR104C	16.703439	19.6846257	14.949853	13.0083012	14.5950879	14.9779797	-0.271726955	3.98063573	0.067857499	SRB5
YNL303W	0.460331	0.97847555	0.36315432	0.53215778	0.52125314	0.4519218	-0.271809978	-0.5544259	0.632652248	YNL303W
YER074W	686.419277	950.502658	689.266908	705.463828	637.101648	584.012087	-0.27195693	9.4695751	0.03563866	RPS24A
YIL127C	17.7556241	19.4543962	18.7629734	14.3091314	15.8982207	16.2046246	-0.272046767	4.10394344	0.0353629	RRT14
YBL027W	1187.45669	1382.93129	1170.56744	1167.96807	1004.19417	924.761125	-0.272556051	10.1545738	0.01483314	RPL19B
YDR515W	18.6105246	18.7637076	18.8840249	15.1369324	14.1389914	17.3021489	-0.272585054	4.11017041	0.038770545	SLF1
YKR020W	8.61476578	8.86383731	9.0183324	7.09543704	6.84144744	8.0054719	-0.272717525	3.03607953	0.092155898	VPS51
YML077W	16.3088696	29.1240369	20.4576936	18.6255222	17.2665102	18.7224746	-0.272722374	4.34026188	0.1331578	BET5
YDR071C	48.9923703	77.7600273	52.4152742	50.7915035	52.0601572	45.5149814	-0.273010264	5.77506952	0.061418617	PAA1
YER097W	0.39456943	0.46045908	0.36315432	0.23651457	0.39093985	0.38736154	-0.273153578	-1.0126716	0.645954444	YER097W
YPR009W	27.4225751	34.2466442	32.2602092	23.2375563	25.3459338	29.2457965	-0.273365021	4.84632513	0.030411784	SUT2
YBR178W	0.39456943	0.34534431	0.48420577	0.23651457	0.58640978	0.19368077	-0.273788977	-1.012437	0.650157565	YBR178W
YJL032W	0.52609257	1.09359032	0.48420577	0.7095437	0.32578321	0.71016283	-0.274007278	-0.3704151	0.592199358	YJL032W
YJR127C	304.476073	265.397103	303.294387	233.144235	243.750999	245.070737	-0.274242719	8.05514445	0.03297351	RSF2
YMR112C	5.12940253	8.00047653	4.78153194	5.73547828	5.0822181	4.002373595	-0.274418111	2.48717473	0.264831416	MED11
YIL161W	14.5990687	13.4108707	13.7998643	10.9979274	11.663039	11.8790873	-0.27520799	3.68336534	0.048051633	YIL161W
YPR100W	13.8756915	13.295756	12.7104014	11.9439857	9.38255649	11.5562861	-0.276235314	3.61600316	0.068237856	MRPL51
YOR095C	65.8273324	84.2064545	70.8756191	58.1234551	64.1792926	60.1701598	-0.27689623	6.07422617	0.006750744	RK11
YMR072W	103.640236	162.024039	108.583143	108.087158	110.505665	90.3197999	-0.277157878	6.83334277	0.056540977	ABF2
YLR311C	0.32880785	0.23022954	0.36315432	0.35477185	0.19546993	0.19368077	-0.277518302	-1.3124868	0.720371241	YLR311C
YBR189W	1258.87375	1721.82918	1314.55813	1265.70771	1151.38303	1126.38281	-0.277603555	10.3516299	0.022058273	RPS9B
YDL018C	18.084432	24.5194461	18.8234992	18.1524931	15.8982207	16.6565464	-0.277626873	4.23615304	0.062524742	ERP3
YIL045W	14.2044993	17.3247729	14.2840701	12.8309153	12.5100753	12.4601297	-0.278610105	3.81545311	0.055039649	PIG2
YOR316C-A	0.460331	0	0.18157716	0.11825728	0.13031328	0.25824103	-0.278717779	-1.6898141	0.826566463	YOR316C-A
YBR264C	17.8871473	17.9579042	20.2155907	15.6690901	13.6828949	16.8502271	-0.278737301	4.10252422	0.041296329	YPT10
YOR108W	384.047574	335.67467	377.983126	295.702339	296.267252	312.665326	-0.278993856	8.38303013	0.002680639	LEU9
YOR367W	28.2774755	36.5489396	26.7523686	25.0705442	26.2581268	24.2100965	-0.279075828	4.80744137	0.033018067	SCP1
YPL252C	71.8116354	58.4207459	66.75987	54.0435788	54.0148564	54.1660558	-0.279176893	5.90654463	0.003304776	YAH1
YIL008W	6.97072651	12.4899526	7.92886942	7.80498075	8.99161663	5.81042315	-0.27946804	3.08586511	0.250845535	URM1
YPL237W	254.694564	365.316723	271.155229	275.362086	237.756588	221.118881	-0.279515999	8.0825722	0.034276505	SUI3
YIL121W	231.875299	185.507452	214.805783	174.192979	171.948379	174.570936	-0.279556893	7.58694987	0.004481057	QDR2
YMR267W	36.5634334	45.7581212	39.88645	33.9398405	32.9041043	33.8941351	-0.279871782	5.22142638	0.009130858	PPA2
YOR101W	76.2176606	98.8835877	86.7938836	67.4657805	74.7346687	73.6632535	-0.279960795	6.31787666	0.005922062	RAS1
YBR164C	26.1731052	39.2541367	30.2023347	27.080918	26.4535968	25.3076208	-0.279983049	4.86999795	0.045853934	ARL1
YIL027C	23.6741655	35.8582509	24.5734426	24.4201292	24.3034276	20.5947221	-0.280165133	4.68569539	0.076978468	EMC5
YLL055W	37.8129032	31.080988	35.3470209	26.3713743	28.603766	30.7952427	-0.280870779	4.9900412	0.013589077	YCT1
YCR045W-A	3.28807854	1.61160678	2.36050311	1.24170148	1.2379762	3.48625389	-0.280899136	1.20689	0.4930698	YCR045W-A
YGR206W	5.26092567	8.00047653	3.93417185	4.13900494	4.03971182	6.00410393	-0.281136046	2.42451395	0.317621168	MVB12
YML001W	74.6393829	108.898573	76.6255625	80.2966959	72.845126	60.9448829	-0.281471421	6.30775459	0.043041024	YPT7
YCR085W	1.38099299	1.32381986	1.21051442	0.7095437	1.10766292	1.42032566	-0.281482732	0.3917172	0.442341809	YCR085W
YDR373W	53.792965	68.5508457	53.4442115	56.2313386	49.0629516	39.3171967	-0.281525801	5.74325949	0.034011429	FRQ1
YDL160C-A	1.84132398	2.47496756	1.69472018	1.77385926	1.43344613	1.74312695	-0.281713345	0.97049489	0.344312702	MHF2
YMR057C	0.59185414	0.23022954	0.72630865	0.41390049	0.26062657	0.58104232	-0.281983927	-0.7643213	0.599198194	YMR057C
YGL213C	100.812488	92.8400622	91.7569927	80.8288536	76.5590547	77.2140677	-0.282162599	6.43957666	0.000705157	SKI8
YNL255C	145.004264	232.762066	145.443307	155.4492	148.557144	126.279863	-0.282292218	7.31378081	0.070528875	GIS2
YGL068W	43.3368752	50.8807285	40.0075014	41.5674353	34.7284903	34.0232556	-0.282586282	5.35448561	0.016432223	MNP1
YER050C	11.7713212	16.6916417	13.43671	11.5300852	11.7933522	11.1689245	-0.283125488	3.6873281	0.083346411	RSM18
YNL302C	511.690783	738.864153	551.570894	493.369389	501.640989	485.815936	-0.283399721	9.09625596	0.022569703	RPS19B
YLR374C	2.49893969	2.7051971	3.02628604	2.71991753	1.75922934	2.259609	-0.283524245	1.39471089	0.269539481	YLR374C
YER001W	201.098884	185.852797	193.319152	163.135923	155.919845	157.591588	-0.283551416	7.46174523	0.000959199	MNN1
YLR218C	5.39244881	8.05803392	6.35520068	5.9128642	5.73378452	6.48433852	-0.283868239	2.62412461	0.173786556	COA4
YPR130C	13.0865526	13.756215	8.53412663	14.9004178	8.73099006	5.35850135	-0.284723714	3.44491245	0.349381208	YPR130C
YNL065W	229.244836	197.767175	259.050085	170.586132	193.450071	198.781032	-0.285711535	7.70225439	0.009418157	AQR1
YPL025C	1.24946985	1.43893463	1.1499887	0.82780099	1.43344613	0.9038436	-0.286608404	0.36813153	0.436036292	YPL025C
YLL007C	22.0958878	26.4188398	23.0602996	16.4377625	20.4591857	21.8859272	-0.286650885	4.45004618	0.037995976	YLL007C
YDR265W	167.757767	143.145217	157.00372	132.80293	126.599356	124.020254	-0.286777269	7.14986769	0.001258639	TSG10
YGR117C	52.0174026	67.4572554	56.3494461	51.0280181	46.7173125	46.418825	-0.28700343	5.74123003	0.007430841	YGR117C
YHR141C	684.643714	890.355191	657.611956	694.820672	606.282556	528.683947	-0.287056702	9.4035185	0.027844379	RPL42B
YNL264C	54.9109117	60.0899101	55.4415602	50.6141176	45.2187097	43.7718544	-0.287579257	5.69551116	0.002348759	PDR17
YMR065W	17.4268163	19.9724126	19.3077049	15.4325756	14.9208711	16.1400643	-0.287647719	4.11605896	0.02582587	KAR5
YLR008C	34.1302553	40.1174974	32.0181063	27.7904617	28.603766	30.7306825	-0.28771042	5.01666003	0.012206695	PAM18
YBL001C	27.7513829	37.5849725	30.8075919	26.7261462	25.9975003	26.0823439	-0.288337353	4.87352873	0.020389678	ECM15
YGR292W	7.16801122	7.3673453	7.8683437	6.14937877	5.21253138	6.97250778	-0.288944356	2.79104534	0.110307777	MAL12
YMR193W	14.1387377	15.7707235	16.8261504	10.8205415	14.0086781	13.4930938	-0.289144845	3.83833007	0.060281464	MRPL24
YDR337W	27.882906	35.8006936	33.2286207	29.3869351	24.3034276	25.6304221	-0.28926753	4.88426258	0.019990665	MRPS28
YGR011W	3.48536326	3.97145957	2.9052346	2.83817482	3.06236219	2.58241029	-0.289723018	1.70949695	0.223778714	YGR011W
YJL200C	141.387377	150.10966	148.590645	116.24691	119.366969	124.343055	-0.290260116	7.06045088	0.000432842	ACO2
YJL215C	1.5782777	1.38137724	1.1499887	0.59128642	1.43344613	1.3557654	-0.290271677	0.4481292	0.431941073	YJL215C

YKL016C	87.4628893	112.92759	78.6229113	84.731344	74.6043554	68.756674	-0.290775482	6.40399064	0.019878495	ATP7
YDL067C	2.10437027	1.95695109	1.27104014	1.18257284	1.6940727	1.48488592	-0.291213636	0.7953047	0.349529849	COX9
YHR143W	561.209246	411.420189	520.460673	373.101731	401.886169	444.949293	-0.291428397	8.82104112	0.014588195	DSE2
YGL082W	52.7407798	70.9106985	52.4757999	48.8402583	45.9354328	49.194916	-0.291643847	5.74168653	0.013152346	YGL082W
YCR101C	6.37887237	4.71970558	5.32626343	3.48858988	5.34284467	4.58377827	-0.292157277	2.34495159	0.190366326	YCR101C
YLR049C	49.4527013	67.6299275	49.9337197	44.8786393	46.9127824	44.675698	-0.292527967	5.66496173	0.014616698	YLR049C
YGR165W	40.6406508	48.9813348	46.3627021	36.009343	34.9891169	40.0919198	-0.29289886	5.36895604	0.005600518	MRPS5
YEL072W	5.72125667	7.65513222	4.84205766	4.90767729	4.6261216	5.35850135	-0.293274015	2.50008623	0.173660285	RMD6
YDR115W	14.401784	16.4038548	12.8314528	10.8205415	11.1417858	13.6867745	-0.293314945	3.73834523	0.068251262	YDR115W
YGR076C	8.15443479	13.5259855	9.0183324	8.92842494	8.99161663	7.16618856	-0.293507277	3.24123858	0.169304702	MRPL25
YJL124C	38.8650884	54.9097454	41.2180159	44.8786393	35.0542735	30.1496401	-0.294162013	5.35843746	0.055538697	LSM1
YPL197C	74.2448135	102.106801	69.6651046	51.5601758	60.4002074	88.7703537	-0.294171445	6.22104399	0.095257749	YPL197C
YPR010C-A	2.0386087	3.62611526	1.99734879	2.18775975	2.15016919	1.93680772	-0.294194809	1.30014575	0.317750464	YPR010C-A
YBR111C	108.966923	122.59723	102.893725	92.5363247	90.5025761	89.3513961	-0.29634803	6.66229258	0.00085824	YSA1
YJL015C	2.0386087	2.99298403	3.93417185	1.89211654	2.99720554	2.45328978	-0.296661154	1.5098035	0.308723442	YJL015C
YLR292C	34.5248247	49.2691217	34.8022895	35.5954425	31.6661281	29.3103568	-0.296925117	5.17112271	0.03454324	SEC72
YHR069C-A	3.41960169	4.14413173	4.78153194	1.00518691	2.54110905	6.52058598	-0.297719657	1.94375039	0.53851855	YHR069C-A
YOL156W	12.2974138	11.1661327	12.4682985	9.93361186	10.555376	8.71563473	-0.297822199	3.45711956	0.053562248	HXT11
YER147C-A	28.4747602	32.8652669	25.6629056	22.7053985	23.5867045	24.5328978	-0.297909466	4.72480385	0.014318599	YER147C-A
YLR432W	804.19825	697.76818	774.063443	610.798872	596.248433	643.601205	-0.298435214	9.42605687	0.001687298	IMD3
YGL103W	1192.06	1750.66543	1259.29815	1126.63714	1149.55864	1139.81134	-0.298816599	10.3104313	0.021627404	RPL24
YPR145W	720.023439	694.084507	683.880119	571.773968	568.296234	564.062968	-0.299937556	9.30792485	0.000675431	ASN1
YEL041W	9.9299972	11.0510179	11.3788355	9.16493951	8.20973693	8.9093155	-0.300207706	3.30935156	0.052197732	YEF1
YOR357C	21.5697952	27.1095284	20.8813737	18.9211654	18.6999563	18.9161554	-0.300388367	4.4034976	0.023499576	SNX3
YDL085C-A	1.70980084	2.59008233	1.99734879	2.18775975	1.62891606	1.29120515	-0.300467337	1.02875406	0.324250769	YDL085C-A
YLR199C	36.3661487	25.1525773	38.796987	18.5072649	28.0173562	34.9270992	-0.300916987	4.92498836	0.136076395	YLR199C
YHR010W	675.437094	904.802094	625.59385	692.514655	566.406691	531.589158	-0.300949182	9.37988581	0.030546212	RPL27A
YKR045C	16.1115849	13.6411003	14.6472244	11.1161847	12.5100753	12.3955694	-0.301048136	3.75693966	0.03668808	YKR045C
YOR184W	333.608449	393.692514	341.607168	283.344453	292.488167	291.683242	-0.301333116	8.33487402	0.001509332	SER1
YCL042W	6.64191866	5.12260728	4.17627473	2.9564321	4.36549503	5.61674238	-0.301725213	2.29773544	0.248135293	YCL042W
YBR242W	28.7378065	31.5990044	27.1155229	24.1836146	23.7821744	22.9834516	-0.301977082	4.73011235	0.006877549	YBR242W
YMR306C-A	0.72337728	1.09359032	0.42368005	0.53215778	0.39093985	0.9038436	-0.302202692	-0.3129327	0.53398883	YMR306C-A
YGL229C	60.4348836	46.7365967	48.783731	45.588183	40.7880581	39.898239	-0.302735754	5.55938011	0.006832489	SAP4
YPR012W	0.85490042	0.97847555	0.72630865	0.65041506	0.65156642	0.77472309	-0.303106936	-0.1550541	0.474112419	YPR012W
YLR458W	1.31523142	0.92091816	1.02893725	1.1234442	0.32578321	1.16208463	-0.303232011	0.14352729	0.421780225	YLR458W
YMR246W	557.921167	538.161551	597.207287	470.545733	447.039723	454.439651	-0.303475935	8.99724134	0.000801796	FAA4
YOL037C	5.32668724	6.04352544	4.23680046	3.84336173	4.43065167	4.39009749	-0.30405677	2.27490533	0.142478158	YOL037C
YHR131W-A	1.90708556	1.89939371	2.11840023	1.06431556	1.88954263	1.87224746	-0.304372101	0.93450376	0.319160994	YHR131W-A
YPL177C	93.9732848	98.480686	90.4254269	78.9367371	77.7318742	72.3074881	-0.304901302	6.41700134	0.000275889	CUP9
YKL122C	31.4997924	38.9087924	34.3786094	27.6130758	30.3629953	26.9216273	-0.305202285	4.98914988	0.007376271	SRP21
YPR151C	2.23589341	1.95695109	2.48155455	2.18775975	1.62891606	1.54944617	-0.305483357	1.09483527	0.263904551	SUE1
YHL022C	3.74840954	3.97145957	4.05522329	3.6659758	3.12751883	2.71153081	-0.305562759	1.88012705	0.154092785	SPO11
YOL149W	19.3996634	28.7786926	21.3050537	18.8029082	19.0908962	18.3996733	-0.305638811	4.40064154	0.043107645	DCP1
YKL066W	14.3360224	17.4974451	13.1340814	13.5995877	11.663039	11.1043642	-0.305946037	3.77671207	0.05829653	YKL066W
YEL005C	12.6262216	16.1736252	12.1051442	9.9927405	11.663039	11.4917258	-0.306183876	3.641545	0.063833099	VAB2
YFL051C	0.78913885	0.57557385	0.36315432	0.47302914	0.4560965	0.4519218	-0.306214725	-0.6432075	0.527196804	YFL051C
YLR062C	424.227894	497.698709	415.085393	368.134925	355.624953	357.470144	-0.306403795	8.65532005	0.00164565	BUD28
YBR158W	451.190138	422.816551	454.063957	349.745917	372.76115	351.27236	-0.306618588	8.64542429	0.000599852	AMN1
YDR378C	23.2138345	29.296709	20.820848	22.1141121	18.9605829	18.2059925	-0.306836088	4.47627484	0.036372615	LSM6
YHL047C	72.337728	66.651452	82.7386603	58.4782269	59.4228577	61.2676841	-0.307383593	6.06489042	0.001351151	ARN2
YDR158W	690.891064	556.061898	642.420001	501.115241	517.408896	507.895544	-0.30767287	9.15332953	0.002116365	HOM2
YDR016C	3.6168864	5.98596805	3.14733748	4.96680593	2.54110905	2.77609106	-0.307741854	1.99931199	0.33015104	DAD1
YLR333C	165.916443	229.251065	168.382555	170.172232	157.548761	127.571068	-0.307833276	7.40923274	0.021766511	RPS25B
YDR447C	283.037801	439.56575	258.626405	295.051924	247.399771	250.235557	-0.307902207	8.2086698	0.056031789	RPS17B
YIL030W-A	4.47178682	5.75573851	6.35520068	3.78423309	4.43065167	5.22938084	-0.308046159	2.36080815	0.15715382	YIL030W-A
YMR108W	724.560988	626.166793	752.637338	554.27189	574.811898	569.486029	-0.308340951	9.30783151	0.001605754	ILV2
YMR256C	1.18370828	1.84183632	1.4526173	1.53734469	0.91219299	1.16208463	-0.308426341	0.56993784	0.36069379	COX7
YAR031W	21.3725105	19.3968388	21.8497852	17.4429494	16.028534	17.0439079	-0.308481663	4.24679208	0.014066895	PRM9
YOR128C	460.330996	502.821317	458.603386	364.114178	379.537441	404.276331	-0.308743369	8.74287623	0.000844248	ADE2
YML063W	1177.52669	1899.62394	1286.4742	1243.29796	1173.34081	1106.17545	-0.308828488	10.3603989	0.037176328	RPS1B
YDR022C	4.99787939	7.25223053	5.8104692	5.38070642	4.75643489	4.45465775	-0.309567827	2.4827049	0.12728719	ATG31
YJL046W	17.0322469	22.6776097	18.1577162	14.6639032	15.9633774	16.1400643	-0.30973347	4.13625451	0.033230624	AIM22
YJL179W	1.1179467	3.1080988	1.87629734	1.77385926	1.56375941	1.61400643	-0.310741157	0.99080637	0.380519576	PF1
YGL047W	12.100129	15.1375923	13.6182872	11.3526993	12.0539788	9.55491807	-0.311119539	3.6378696	0.052443241	ALG13
YNL270C	8.28595793	7.25223053	8.83675524	7.92323803	4.69127824	6.97250778	-0.311222733	2.89985738	0.132556383	ALP1
YBL051C	139.41453	174.629107	149.135376	110.866204	130.899694	131.638365	-0.311477268	7.1248852	0.002933564	PIN4
YMR083W	643.805779	574.825605	569.123353	522.165038	459.158858	458.894309	-0.311722387	9.0718047	0.001454292	ADH3
YOR364W	0.460331	1.09359032	0.64736009	0.47302914	0.97734963	0.51648206	-0.311819933	-0.2235249	0.553194675	YOR364W
YJL181W	29.7899916	35.6855788	30.8681176	23.296685	26.3232835	28.0837119	-0.312218246	4.86520489	0.008593141	YJL181W
YBR250W	4.20874054	5.4103942	4.96310911	3.78423309	3.97455518	4.00273595	-0.314291015	2.17822724	0.126988915	SPO23
YOL064C	69.9045498	83.2855363	77.7755512	61.0207586	63.0064731	61.7841662	-0.314706154	6.12123752	0.000504332	MET22
YLR262C-A	5.85277981	9.84231286	4.84205766	7.09543704	5.27768802	4.13185646	-0.31512278	2.6638836	0.273400621	TMA7
YHR153C	5.26092567	7.94291915	5.68941775	5.79460692	4.43065167	4.97113981	-0.31527183	2.54429509	0.145709634	SPO16

YHR132W-A	8.41748107	13.1806412	10.0472697	8.04149531	9.12192992	8.32827319	-0.315707288	3.27391532	0.099716432	IGO2
YNL310C	13.941453	14.7346906	10.2288468	10.2292551	10.0341229	10.9752437	-0.316615348	3.5632903	0.06837572	ZIM17
YPL141C	68.5893184	77.6449126	70.5729904	49.1359015	64.3747626	60.6866418	-0.316960694	6.02893838	0.003007066	FRK1
YPR102C	617.303866	897.262077	666.085557	593.178537	573.313295	583.882967	-0.317170644	9.35610524	0.011767855	RPL11A
YDR512C	12.6919832	18.6485928	12.9525043	12.1213716	11.3372558	12.1373284	-0.317262611	3.7516932	0.069490392	EMI1
YDR218C	1.77556241	1.38137724	1.87629734	1.30083012	1.49860277	1.22664489	-0.31747009	0.70645699	0.309313595	SPR28
YNL078W	102.851097	101.588785	100.714799	75.3890186	85.1597314	84.3802562	-0.31759113	6.52051941	0.000180128	NIS1
YAL060W	199.389083	156.72876	175.827219	150.127622	137.806298	138.739993	-0.317601037	7.32091999	0.001507408	BDH1
YHR018C	101.141296	101.646342	101.077954	83.4305139	82.5534657	77.6659895	-0.318443032	6.5139639	8.40168E-05	ARG4
YNL096C	391.281347	489.75579	397.290831	330.765623	340.052516	354.048451	-0.318972549	8.58502958	0.002196784	RPS7B
YDR471W	349.259703	545.356224	333.980927	345.074755	333.211069	306.532101	-0.319175465	8.52780118	0.036795028	RPL27B
YDL064W	49.1238934	63.6009106	57.438909	40.798763	43.5897937	52.1001276	-0.319559888	5.67963536	0.00703542	UBC9
YMR152W	104.758182	105.042228	100.835851	88.4564484	80.7290798	79.5382369	-0.320207481	6.54484888	0.000129544	YIM1
YGL222C	21.8986031	26.1310529	23.4234539	16.7334057	19.8076192	20.7884028	-0.320245525	4.43287972	0.014207696	EDC1
YOR271C	248.447215	207.264144	229.392482	184.363106	182.634068	181.608004	-0.320278125	7.68466099	0.000645916	FSF1
YDR116C	39.8515119	52.0318762	38.7364613	35.2406706	35.7709966	33.635894	-0.320832361	5.29886185	0.007640487	MRPL1
YOR150W	34.32754	43.340711	31.9575806	29.7417069	28.3431394	29.6977183	-0.321419033	5.04670713	0.009335156	MRPL23
YBR120C	4.01145582	4.43191866	4.11574901	3.37033259	3.25783211	3.42169363	-0.32231799	1.96318392	0.115054495	CBP6
YDR424C	16.5061543	24.807233	16.8866761	17.4429494	13.6177382	15.4944617	-0.322752849	4.13971207	0.066347697	DYN2
YIL009C-A	8.74628893	11.3388049	8.17097231	7.80498075	7.42785722	7.35986933	-0.324171067	3.10751017	0.068353961	EST3
YKL138C-A	0.72337728	1.1511477	1.02893725	0.53215778	0.97734963	0.83928334	-0.324180187	0.00182743	0.46079979	HSK3
YNL220W	583.962749	563.371686	611.249254	469.244903	465.479052	469.804992	-0.324306028	9.042532	0.000256193	ADE12
YBR240C	6.3131108	6.2161976	6.05257208	4.84854864	5.01706145	4.97113981	-0.324425672	2.51018053	0.063570333	THI2
YCL035C	17.9529088	26.2461676	17.7945619	18.1524931	14.5950879	16.7856669	-0.324456228	4.22902704	0.057073758	GRX1
YGL088W	1.84132398	1.1511477	1.4526173	1.06431556	1.04250628	1.42032566	-0.324651454	0.53268574	0.349250949	YGL088W
YLR363W-A	4.80059467	9.03650947	6.23414924	5.55809235	5.27768802	5.22938084	-0.325086473	2.62741166	0.170992206	YLR363W-A
YOL160W	0.13152314	0.28778693	0.36315432	0.23651457	0.06515664	0.32280129	-0.325549735	-1.4689388	0.697497607	YOL160W
YML052W	307.501105	240.820099	288.223482	226.876599	215.603329	224.863376	-0.325752698	7.97018748	0.001535033	SUR7
YDR528W	54.713627	62.2770907	55.1389316	48.0124573	45.349023	43.9655352	-0.326062902	5.69278638	0.000517249	HLR1
YGL159W	31.3025077	43.1104815	32.078632	27.5539472	28.9295492	28.5356337	-0.326472862	5.00329496	0.011886152	YGL159W
YJR067C	6.83920337	8.97895208	6.23414924	6.62240791	5.92925445	5.03570007	-0.326509949	2.75554936	0.108489906	YAE1
YOR286W	50.9652174	51.9167614	46.6653307	40.8578916	41.1138413	37.2512684	-0.326652229	5.48965159	0.000561317	RDL2
YGR095C	26.5019131	38.5058907	31.1102205	23.6514568	27.496103	25.5658619	-0.327553675	4.85596998	0.017662397	RRP46
YMR236W	38.010188	47.5424001	40.0680272	29.3869351	34.8588036	35.9600633	-0.328054412	5.23948284	0.005446928	TAF9
YMR300C	380.496449	333.142145	385.730419	274.889057	287.275636	313.375489	-0.328405633	8.36313006	0.00076555	ADE4
YLL044W	961.105358	1088.58283	980.577203	760.926494	822.928392	829.082824	-0.328713858	9.82550211	0.000577406	YLL044W
YLR167W	2106.34311	2759.99173	2035.11684	2079.02218	1775.58366	1638.99125	-0.329149058	11.0126351	0.001292351	RPS31
YFL011W	0.59185414	0.69068862	1.33156586	0.41390049	1.04250628	0.64560257	-0.329188794	-0.1380238	0.519507137	HXT10
YMR233W	6.7734418	9.32429639	10.1683211	8.69191038	7.16723065	5.03570007	-0.329376295	3.00331616	0.146437545	TRI1
YDR450W	775.789252	1039.19859	735.871713	688.434779	690.399781	651.090195	-0.329606579	9.57672473	0.007440003	RPS18A
YBR191W	947.624236	1247.90167	984.692952	868.067593	849.577458	811.586994	-0.330468037	9.89442203	0.003340799	RPL21A
YPR129W	91.5401066	94.1063247	103.801611	69.4761544	78.1879707	82.5080088	-0.331244114	6.43851732	0.000366316	SCD6
YOR067W	20.386087	24.5770035	18.2787677	19.8080951	15.3769676	15.0425399	-0.331484418	4.25315612	0.03475008	ISA2
YPR284W	8.28595793	10.3027719	7.32361222	6.79979383	7.49301386	6.32690521	-0.331497054	2.98069145	0.072989331	HUA2
YNL114C	18.4790014	26.7066267	20.820848	14.4865173	18.8302696	19.2389567	-0.331723635	4.31502785	0.04414766	YNL114C
YPR039W	0.59185414	0.17267216	0.60525721	0.35477185	0.19546993	0.51648206	-0.331960764	-0.9246654	0.569368006	YPR039W
YIL014C-A	4.66907153	4.60459081	4.23680046	3.96161901	2.99720554	3.74449492	-0.331968073	2.05906266	0.109122143	YIL014C-A
YGR024C	45.8358149	68.2630588	48.3600509	45.2925398	46.4566859	37.380389	-0.332004878	5.60786899	0.019133736	THG1
YMR194W	110.93977	161.448465	109.1884	121.154587	97.4743368	84.4448165	-0.332302015	6.83662177	0.02822536	RPL36A
YOR009W	34.1960169	32.6925948	37.283844	23.5923282	27.8870429	31.3117248	-0.332511747	4.96719137	0.00606594	TIR4
YOL139C	216.750138	345.401868	243.434449	214.045684	209.674075	216.083181	-0.332636399	7.9133487	0.016819411	CDC33
YLR154W-E	29.3296606	17.7276746	31.1707462	18.6846509	21.6320052	21.7568067	-0.332853517	4.55338663	0.065290634	YLR154W-E
YLR402W	0.52609257	0.69068862	0.60525721	0.29564321	0.65156642	0.51648206	-0.332863052	-0.5752814	0.624361411	YLR402W
YBL053W	6.44463394	4.83482035	4.6604805	4.55290543	4.1700251	3.87361544	-0.33296796	2.28564693	0.101300263	YBL053W
YDR308C	6.7734418	9.78475547	5.87099492	6.09025013	6.18988101	5.55218212	-0.333110921	2.77742032	0.127298262	SRB7
YKL106W	63.4599159	76.0908632	70.5729904	55.6991808	56.4908088	54.6825379	-0.333315846	5.97689081	0.000292733	AAT1
YJL022W	0	0.23022954	0	0.05912864	0.13031328	0	-0.333322556	-2.3502133	1	YJL022W
YKL063C	17.624101	20.1450848	20.2155907	15.2551896	15.0511844	15.7527028	-0.333372963	4.12780366	0.009957151	YKL063C
YNL228W	3.74840954	5.46795159	4.23680046	4.25726222	3.12751883	3.29257312	-0.333383638	2.05970494	0.145634705	YNL228W
YPL062W	0.65761571	0.4029017	0.3026286	0.53215778	0.39093985	0.12912051	-0.333476594	-0.9253163	0.567004855	YPL062W
YIL114C	53.792965	48.5208757	50.1152968	37.664945	42.3518175	40.9312031	-0.333733553	5.51355838	0.000392279	POR2
YDR230W	7.8913885	8.69116516	8.17097231	7.09543704	6.51566423	6.00410393	-0.33484359	2.9132796	0.042859436	YDR230W
YHR049W	175.254586	182.859813	173.224613	144.865173	140.933817	135.44742	-0.334919854	7.31203129	6.86498E-05	FSH1
YDR250C	0.06576157	0.11511477	0.06052572	0	0.06515664	0.12912051	-0.33564588	-2.3497205	1	YDR250C
YIL141W	3.28807854	1.89939371	2.36050311	1.18257284	2.08501255	2.71153081	-0.335752171	1.23862703	0.306751432	YIL141W
YGR021W	15.3882076	14.7346906	17.7945619	11.4709566	11.5327257	14.9779797	-0.335944958	3.85220972	0.033152478	YGR021W
YDR204W	12.8892679	17.6701172	12.7104014	8.81016766	10.4250628	15.1071002	-0.336100342	3.70830411	0.109270138	QR15
YCL067C	4.86635624	6.9644436	6.59730357	3.96161901	5.34284467	5.35850135	-0.336271712	2.49826912	0.115559294	HMLALPHA2
YCR039C	4.86635624	6.9644436	6.59730357	3.96161901	5.34284467	5.35850135	-0.336273456	2.49826912	0.115514001	MATALPHA2
YER189W	4.60330996	2.7051971	3.81312041	2.30601704	3.3881454	3.09889235	-0.336303979	1.77625327	0.201865967	YER189W
YLR019W	169.467568	133.878478	154.219537	125.293592	114.284751	122.664489	-0.336431369	7.09543225	0.000591283	PSR2
YMR209C	59.9087911	62.5648776	66.0335614	46.415984	48.2159153	54.6825379	-0.337016282	5.81857794	0.000362517	YMR209C
YDL021W	9.99575877	8.57605039	8.71570379	6.97717976	7.42785722	7.16618856	-0.337367502	3.04675193	0.036030556	GPM2

YIR040C	0	0	0.24210288	0.05912864	0.06515664	0.06456026	-0.337455514	-2.3498397	1	YIR040C
YLR013W	0.13152314	0.05755739	0.06052572	0	0.19546993	0	-0.337497224	-2.3494394	1	GAT3
YBR122C	31.3025077	41.9593338	32.4417863	28.3817482	26.7142233	28.600194	-0.337964232	4.98749955	0.006913814	MRPL36
YCR018C	16.703439	16.0009531	17.4919333	11.5892138	15.3118109	12.8474912	-0.33803696	3.91757327	0.022621079	SRD1
YDR523C	11.9028443	10.4754441	11.8025156	7.27282297	11.0114725	8.78019499	-0.338286024	3.36732997	0.062221336	SPS1
YDL092W	32.7492623	42.7075798	31.7760034	30.1556074	28.1476695	26.5342657	-0.338568961	5.00765785	0.008006935	SRP14
YJR009C	4275.09396	2930.24648	3560.54658	2946.61675	2778.53985	2788.09927	-0.33866136	11.6498371	0.006358446	TDH2
YBL043W	3.81417111	4.60459081	4.11574901	3.48858988	3.64877197	2.77609106	-0.339565657	1.95475621	0.121483771	ECM13
YNL301C	271.26648	282.203859	262.379	221.673279	208.696725	214.340054	-0.339606023	7.92818475	0.000112198	RPL18B
YJR018W	23.9372118	26.1886102	21.6076823	16.1421193	20.7198122	19.8845592	-0.340079398	4.42891862	0.011835095	YJR018W
YFR010W-A	0.13152314	0	0.12105144	0.05912864	0.06515664	0.06456026	-0.340174428	-2.3495377	1	YFR010W-A
YGR293C	3.94569425	2.47496756	3.2078632	1.95124519	2.47595241	3.16345261	-0.340666811	1.57491746	0.200922433	YGR293C
YKL043W	130.931288	107.689868	128.919785	98.271803	96.6273005	94.9681384	-0.341952424	6.77727922	0.000227055	PHD1
YGL121C	6.57615709	5.18016466	5.02363483	4.25726222	4.23518175	4.71289878	-0.341960563	2.35472441	0.086432874	GP61
YDR315C	9.73271249	16.5189695	12.347247	10.7022842	9.18708656	10.5878822	-0.342940156	3.54566094	0.082093982	IPK1
YGL194C-A	2.17013184	2.64763972	2.42102883	2.12863111	2.41079576	1.16208463	-0.344091478	1.19503667	0.233519092	YGL194C-A
YMR260C	118.89692	171.405893	118.751464	119.380728	108.746436	94.1288551	-0.344245842	6.93148201	0.011179939	TIF11
YIL004C	13.2180757	21.066003	13.3761843	13.2448158	12.0539788	12.2664489	-0.344952665	3.84483619	0.069043292	BET1
YBL028C	7.62834222	13.9288872	10.834104	7.92323803	9.44771313	8.19915267	-0.344980111	3.2953744	0.108929179	YBL028C
YNL120C	4.20874054	8.46093562	4.53942906	5.2033205	2.9320489	5.42306161	-0.345424484	2.40343289	0.270158621	YNL120C
YJL169W	4.99787939	4.48947604	4.6604805	3.78423309	3.32298876	4.00273595	-0.345513239	2.11617295	0.081148453	YJL169W
YHR210C	10.3903282	11.3388049	10.2288468	9.10581087	8.14458028	7.87635139	-0.345986635	3.27115072	0.026334487	YHR210C
YMR157C	30.2503226	34.7646606	27.0549972	23.1784277	24.5640541	24.7265785	-0.346435894	4.78462491	0.004043706	AIM36
YCR060W	12.6262216	13.8137724	13.4972357	10.5840269	11.8585089	8.97387576	-0.346855222	3.58844901	0.027486181	TAH1
YIL052C	244.89609	361.115034	222.674127	222.678466	208.436099	220.021357	-0.348004534	7.94725998	0.01640489	RPL34B
YER073W	261.073436	267.00871	265.526337	211.266638	207.589062	204.526895	-0.348291544	7.8845073	4.92894E-05	ALD5
YLR441C	1045.28017	1728.21805	1125.47578	1088.73569	1031.9509	941.740473	-0.348449673	10.1804355	0.025322259	RPS1A
YOR312C	523.396343	804.594687	551.570894	523.34761	499.425663	453.535807	-0.348465094	9.12797902	0.013809282	RPL20B
YEL003W	10.9821823	12.6050673	12.5288242	10.7614128	8.47036349	9.10299627	-0.348967997	3.4449259	0.028889538	GIM4
YLR445W	0.32880785	0.63313124	0.78683437	0.47302914	0.39093985	0.51648206	-0.349208096	-0.6212705	0.528752198	GMC2
YBR299W	9.60118935	7.42490268	8.04992087	5.9128642	6.90660408	6.84338727	-0.349249396	2.92007959	0.048867643	MAL32
YLR053C	2.0386087	1.66916417	2.17892595	1.0518691	1.75922934	1.87224746	-0.349481226	0.90348397	0.267079702	YLR053C
YGR061C	1509.42534	1267.41362	1469.74608	1087.67137	1138.87295	1106.24001	-0.349548946	10.3030348	0.000391324	ADE6
YPR157W	8.48324264	7.59757484	8.65517807	7.92323803	5.66862788	5.7458629	-0.350060134	2.90362924	0.058777528	TDA6
YOR082C	0.32880785	1.03603293	1.27104014	0.41390049	0.52125314	1.16208463	-0.35007506	-0.1229667	0.506785277	YOR082C
YGR017W	58.6593212	64.2340418	55.9862917	51.7966904	43.3943237	44.9984993	-0.351029236	5.73687478	0.000420133	YGR017W
YMR003W	13.1523142	19.0514945	11.6814641	11.4118279	11.7933522	11.2334848	-0.351524345	3.7231921	0.060022063	AIM34
YOR039W	55.4370042	76.9542239	52.5363256	49.7863166	47.3688789	47.7745904	-0.352260645	5.78504011	0.005871946	CKB2
YFL021W	66.8795176	60.2050249	68.2730131	44.4647388	51.4085907	57.2003879	-0.352326154	5.86264868	0.000748857	GAT1
YDR041W	27.0937672	37.1820708	29.1733974	25.1888015	24.954994	23.1125721	-0.352498313	4.80445036	0.007172832	RSM10
YOR066W	97.918979	98.9987024	102.167417	67.229266	81.3154895	85.8005819	-0.352643062	6.47620358	0.000289483	MSA1
YBR209W	0.13152314	0.23022954	0.12105144	0.11825728	0.26062657	0	-0.353154196	-1.8974436	0.799893365	YBR209W
YOR221C	64.972432	81.0983557	70.028259	56.645239	57.728785	54.8762187	-0.353370762	6.00852022	0.000279475	MCT1
Q0105	0.06576157	0	0.72630865	0.47302914	0.13031328	0	-0.353455065	-1.4692335	0.773745525	COB
YER172C-A	4.99787939	4.60459081	4.17627473	3.19294667	3.90939854	3.67993466	-0.354262362	2.07525362	0.087747361	YER172C-A
YER061C	43.4683983	48.5208757	44.6074562	29.6825783	35.2497435	42.0287275	-0.354331698	5.34774489	0.003760432	CEM1
YGL035C	110.019108	109.013687	117.238321	82.425327	85.6809846	94.8390179	-0.355155567	6.64386012	4.45356E-05	MIG1
YOR212W	91.3428219	101.7039	93.8148672	78.7002225	74.2134155	71.274524	-0.355670618	6.41489434	3.4094E-05	STE4
YIR023C-A	2.89350912	2.7051971	2.78418316	2.12863111	2.60626569	1.8076872	-0.356415284	1.38516385	0.150425484	YIR023C-A
YOR276W	103.705997	165.650154	114.635715	93.0093539	97.99559	109.042275	-0.356472228	6.83513548	0.012033909	CAF20
YAR066W	4.53754839	3.39588572	4.41837762	3.13381803	3.90939854	2.58241029	-0.356472304	1.91897215	0.124133227	YAR066W
YBR167C	7.03648808	8.97895208	6.77888073	6.26763605	6.38535094	5.16482058	-0.356591982	2.78892362	0.059000733	POP7
YHL044W	8.61476578	8.9213947	8.71570379	6.56327926	7.5581705	6.39146547	-0.356970906	2.98616533	0.029425133	YHL044W
YNL081C	17.3610547	26.1886102	15.3735331	16.2012479	14.6602445	15.1716605	-0.357232136	4.14210017	0.052304997	SW52
YER058W	3.22231697	3.51100049	3.38944036	2.9564321	2.41079576	2.51785003	-0.357524277	1.64841448	0.117293352	PET117
YKL221W	4.47178682	3.28077095	3.93417185	3.06684716	2.99720554	2.45328978	-0.358404666	1.84088741	0.121971066	MCH2
YOR218C	5.1951641	5.06504989	4.96310911	5.26244914	3.64877197	2.90521158	-0.358666278	2.21624194	0.121265047	YOR218C
YDR408C	109.558777	107.920097	99.2621821	80.769725	80.5987665	85.4132204	-0.360018271	6.5553887	1.72484E-05	ADE8
YDR406W	175.188825	137.159249	161.785252	117.725126	122.624801	128.991394	-0.360032501	7.13637286	0.000297991	PDR15
YLR312W-A	26.5019131	29.4118238	27.3576258	22.6462699	21.2410654	20.9820836	-0.360354558	4.63431586	0.00125293	MRPL15
YKL083W	12.6919832	14.1015594	13.6182872	8.21888124	11.9888222	11.298045	-0.362441973	3.59817308	0.034982003	YKL083W
YDR269C	0	0.28778693	0.42368005	0.41390049	0	0.12912051	-0.362670428	-1.5546623	0.694377239	YDR269C
YDR461C-A	3.28807854	3.33832834	3.57101753	1.41908741	3.19267547	3.35713338	-0.363099331	1.65189654	0.221761865	YDR461C-A
YGR294W	3.1565554	2.7051971	2.84470888	2.89730346	1.43344613	2.38872952	-0.363192455	1.43430651	0.188942743	PAU12
YER019C-A	55.173958	68.89619	59.2546807	43.10478	47.4991922	52.0355674	-0.363435028	5.76747122	0.000762842	SBH2
YDR237W	38.2074727	52.7801222	39.7048728	32.9937822	35.3800567	33.3130927	-0.363468078	5.28122857	0.00359781	MRPL7
YAL019W-A	4.60330996	2.64763972	3.63154325	2.9564321	2.34563912	3.09889235	-0.364280229	1.73492363	0.159965937	YAL019W-A
YKL003C	13.1523142	20.2601996	15.7366874	11.7074711	13.1616417	13.3639733	-0.365414433	3.8794611	0.034885127	MRP17
YJL104W	16.5719159	18.6485928	15.5551102	13.5995877	13.7480515	12.0727681	-0.365459241	3.92351614	0.009890055	PAM16
YPL075W	145.661879	155.232268	145.201204	109.920145	119.301812	117.112307	-0.365551408	7.0466711	1.19895E-05	GCR1
YLR128W	8.54900421	10.8783458	9.68411533	6.38589334	7.5581705	8.71563473	-0.3656457	3.13150622	0.041783099	DCN1
YHR147C	31.9601234	46.1034655	37.1022668	30.6877652	29.4508023	29.3103568	-0.365842092	5.0987952	0.004742755	MRPL6
YJR147W	106.139175	84.7244709	108.522617	70.5404699	79.2956336	82.4434485	-0.366019933	6.47121328	0.000551336	HMS2

YLR290C	24.3317812	38.1605463	24.4523912	24.4201292	20.9804388	22.079608	-0.36650725	4.6955072	0.027407078	YLR290C
YGL191W	59.8430295	86.2209629	69.9072075	54.9896371	55.3179893	57.3295084	-0.366533277	6.00225893	0.001764098	COX13
YER044C-A	5.98430295	5.64062374	7.14203505	4.25726222	5.0822181	5.22938084	-0.367076992	2.50571681	0.057511408	MEI4
YGL189C	972.679395	1270.11882	933.427666	886.279215	789.372721	786.860416	-0.36719819	9.87645402	0.00237621	RPS26A
YIL066C	14.2702609	15.6556088	15.5551102	12.3578862	11.0766292	11.8145271	-0.36753402	3.76522568	0.007858023	RNR3
YBR057C	51.7543563	51.0534006	51.9310684	40.2666052	38.8333588	40.8020826	-0.367711071	5.52069755	2.81629E-05	MUM2
YLR268W	57.6071361	67.1694685	58.5888977	43.932581	50.5615544	47.7100301	-0.368027978	5.76560222	0.000181498	SEC22
YER084W	0.78913885	0.74824601	0.90788581	0.47302914	0.52125314	0.9038436	-0.368751616	-0.2399557	0.465547785	YER084W
YMR230W	330.71494	383.562415	312.252194	264.600673	265.578474	264.697055	-0.369075264	8.24658294	0.000165855	RPS10B
YGR222W	21.1752258	29.6420533	20.5787451	20.5176388	17.85292	16.9147874	-0.369426504	4.41132781	0.018483889	PET54
YEL065W	76.6779916	88.0627993	122.019853	62.6763605	67.3719681	91.9983666	-0.369430661	6.40839988	0.022961895	SIT1
YLR460C	10.5218513	10.1876572	9.44201244	7.50933754	8.014267	7.81179113	-0.369509096	3.1764999	0.017221721	YLR460C
YNL024C	9.86423563	12.259723	11.3788355	7.56846618	7.68848379	10.7170027	-0.369994707	3.32909313	0.044976678	YNL024C
YDR363W-A	8.08867322	10.6481163	8.71570379	6.38589334	7.23238729	7.68267061	-0.37002315	3.04690754	0.037265596	SEM1
YKL037W	0.85490042	0.97847555	0.84736009	0.76867235	0.71672306	0.58104232	-0.371032695	-0.1226192	0.363622775	AIM26
YNL010W	162.496842	216.012866	176.614053	150.423265	148.296518	130.54084	-0.371175553	7.35958383	0.000837488	YNL010W
YPL037C	300.464617	424.313043	315.641634	264.245901	261.473605	278.64207	-0.371428555	8.26505714	0.002272598	EGD1
YLR237W	87.9232202	67.3421406	87.2175637	55.1078944	63.9186661	68.3047522	-0.372167991	6.16471536	0.00125251	THI7
YGR146C	43.0738289	38.3907759	43.3969418	28.6773914	33.8162973	33.9586953	-0.372861071	5.20958066	0.000501425	ECL1
YLR438W	140.795523	101.588785	127.588219	97.6805166	96.6924571	91.094523	-0.373411622	6.77281947	0.000666349	CAR2
YGL039W	64.1832932	68.3206162	64.3993669	48.2489719	49.4538915	54.3597366	-0.37349139	5.86537061	2.69219E-05	YGL039W
YGR066C	2.76198598	2.87786926	3.08681176	1.95124519	2.41079576	2.38872952	-0.374015994	1.43547909	0.128681037	YGR066C
YBR258C	3.74840954	4.08657435	3.51049181	2.48340296	3.25783211	3.03433209	-0.374855462	1.79858519	0.092682249	SHG1
YML024W	809.985268	1083.05732	836.465461	675.485606	716.006342	713.455403	-0.374931747	9.65446203	0.001147421	RPS17A
YPL186C	5.06364096	3.79878742	5.62889203	3.42946124	4.36549503	3.35713338	-0.37630428	2.13478092	0.097715778	UIP4
YOR344C	84.7666648	107.517195	94.2385473	70.5404699	79.5562602	70.758042	-0.376440396	6.40455655	0.000177395	TYE7
YMR132C	8.15443479	8.1155913	7.98939514	5.85373556	6.90660408	5.93954367	-0.376476042	2.86524495	0.023565327	JLP2
YDL012C	18.3474783	22.6776097	20.3971679	11.3526993	16.4846305	19.561758	-0.376628914	4.19099484	0.037964643	YDL012C
YMR136W	83.1226256	76.8966665	90.1227983	52.033205	70.4994869	70.1124394	-0.377474408	6.20772587	0.001094719	GAT2
YDR355C	4.93211781	2.99298403	4.17627473	3.6659758	3.25783211	2.32416926	-0.378597309	1.87883908	0.133231206	YDR355C
YER055C	510.30979	562.62344	547.09199	419.576844	403.058989	423.450727	-0.378654481	8.90036461	2.65155E-05	HIS1
YJR149W	32.7492623	30.1025124	32.8049407	23.7821744	25.3721811	25.3721811	-0.379146595	4.823959	0.000335374	YJR149W
YBR050C	8.22019636	6.67665668	6.83940645	4.02074766	6.25503766	6.45602573	-0.379182932	2.70454006	0.074861835	REG2
YNL131W	100.286396	118.625771	102.893725	89.4025067	82.0322126	75.9874228	-0.379234283	6.57031447	8.09557E-05	TOM22
YER060W-A	27.4225751	25.7857085	26.0260599	16.7925343	21.8926318	22.2732888	-0.379635739	4.55344383	0.003672899	FCY22
YDR045C	5.91854138	6.44642714	5.14468627	4.19813358	4.75643489	4.51921801	-0.379809004	2.40406754	0.048820428	RPC11
YCL025C	161.773464	121.388525	140.661775	105.308111	109.202532	111.108203	-0.379820313	6.96595389	0.000228661	AGP1
YDR056C	54.3848191	61.7015169	59.8599379	50.8019598	44.2413601	40.8020826	-0.380506888	5.70049928	0.000171592	YDR056C
YLR413W	863.449425	705.423312	846.996937	570.709653	635.798515	649.024266	-0.380691747	9.4757582	0.000303381	INA1
YHR072W-A	3.55112483	4.31680389	2.84470888	2.66078889	3.12751883	2.45328978	-0.380761853	1.71823523	0.119610717	NOPI0
YNL140C	4.53754839	4.43191866	3.99469757	1.30083012	3.06236219	5.61674238	-0.380962391	1.97511739	0.331198482	YNL140C
YFR055W	82.0704404	70.0473377	69.9072075	58.4782269	61.8988101	49.9696391	-0.381459659	6.03381654	0.00022815	IRC7
YLR307W	0.78913885	1.03603293	1.02893725	0.88692963	0.52125314	0.77472309	-0.381467363	-0.0442902	0.335727888	CDA1
YKL109W	90.4879215	106.020703	93.3911872	71.5456568	79.0350071	71.6846868	-0.382065653	6.41881702	2.8336E-05	HAP4
YNL222W	10.4560898	16.7491991	12.1656699	9.93361186	11.0114725	9.29667705	-0.383308743	3.55578841	0.046864535	SSU72
YPL273W	180.055181	257.396626	194.892821	156.572644	163.999269	163.853933	-0.384781018	7.5414469	0.001407937	SAM4
YIL157C	60.3691221	57.0969261	55.8652403	42.2178504	42.4821308	47.9682711	-0.385662802	5.67601078	3.4403E-05	COA1
YDL008W	15.5854923	21.1811177	16.5235218	12.1805003	12.9010152	15.7527028	-0.386653674	3.98490597	0.018178983	APC11
YAL016C-A	14.9936382	13.9288872	13.9209158	8.8692963	9.83865298	14.0741361	-0.387223624	3.66915558	0.031371131	YAL016C-A
YDR529C	48.7950856	74.6519285	50.5995026	46.0612121	45.4793363	41.5768057	-0.387562506	5.68280114	0.005994334	QCR7
YOL102C	20.7806564	34.7071032	21.8497852	17.502078	19.0257395	22.6606503	-0.387912182	4.51835422	0.035423155	TPT1
YAR064W	1.64403927	1.5540494	1.69472018	2.06950247	1.10766292	0.51648206	-0.38866932	0.64800204	0.304884678	YAR064W
YBL092W	962.749397	1369.11752	945.835439	812.545799	848.991049	841.220152	-0.389220083	9.91225687	0.002868789	RPL32
YOR163W	22.7535035	28.1455613	23.3024025	18.6255222	20.8501255	17.2375887	-0.389233937	4.45721321	0.00327657	DDP1
YLR159C	4.34026368	5.35283682	4.05522329	4.43464815	3.77908525	2.259609	-0.389542521	2.06383118	0.12401587	SM1
YIL098C	6.70768023	8.518493	6.59730357	5.08506321	5.99441109	5.61674238	-0.390228345	2.71282055	0.038027924	FMC1
YIL070C	39.8515119	59.5143362	43.8206219	35.8910857	37.0089728	36.4119851	-0.390753659	5.40087321	0.003342894	MAM33
YIL132C	7.29953437	9.84231286	8.35254947	5.49896371	6.84144744	7.16618856	-0.391157158	2.93308208	0.037207423	CSM2
YHL046W-A	4.86635624	4.43191866	5.93152064	4.43464815	3.71392861	3.42169363	-0.392024012	2.20154936	0.06065263	YHL046W-A
YNL185C	32.5519776	32.1745783	31.7154777	21.9367262	25.2807772	26.2760247	-0.393106168	4.8302635	0.00037914	MRPL19
YDL245C	13.941453	13.8137724	14.6472244	10.1701264	11.467569	10.6524424	-0.393831475	3.65280232	0.005356435	HXT10
YDR106W	2.49893969	2.82031187	2.36050311	1.8329879	2.15016919	1.87224746	-0.393928233	1.25325327	0.120672403	ARP10
YKL156C-A	0.72337728	0.17267216	0.78683437	0.41390049	0.52125314	0.32280129	-0.394167903	-0.7142011	0.449024739	YKL156C-A
YFR049W	10.3245666	14.2742315	9.80516677	7.62759482	8.60067678	10.0068399	-0.394233132	3.35734047	0.041937115	YMR31
YGL231C	35.8400561	64.5793861	46.5442793	31.3973089	39.4849252	40.9957634	-0.395096373	5.43663526	0.02205798	EMC4
YBL012C	14.5333072	12.0870509	14.2840701	6.56327926	10.8811593	13.6867745	-0.395502153	3.59769178	0.083284246	YBL012C
YDR233W-A	2.89350912	3.91390219	2.23945167	1.65560198	2.73657898	2.51785003	-0.396744219	1.47842638	0.169214969	DAD3
YKL156W	68.0632258	84.4942414	68.0914359	46.8890131	55.9895557	64.6893778	-0.398335098	6.01881115	0.001162619	RPS27A
YLR037C	2.0386087	2.82031187	2.11840023	1.1234442	1.95469927	2.259609	-0.398399645	1.12303681	0.189777445	PAU23
YJR086W	8.68052735	13.007969	9.92621821	7.98236667	6.51566423	9.49035782	-0.400326852	3.23588043	0.050445504	STE18
YOR202W	25.7785358	28.0304466	24.6944941	18.0933645	19.481836	21.9504875	-0.400655326	4.5322258	0.00108097	HIS3
YPL274W	109.6903	95.8330463	115.967281	77.9906788	82.4883091	83.0244908	-0.400684999	6.55902637	1.2852E-05	SAM3
YHR059W	10.7848976	11.9143787	9.44201244	8.63278173	6.90660408	8.78019499	-0.40147007	3.25557278	0.019766841	FVY4

YBL090W	11.3767518	16.4038548	15.3735331	10.5248983	13.0964851	9.10299627	-0.401523863	3.67786492	0.032354307	MRP21
YPR166C	11.4425133	18.4183632	11.5604127	11.6483425	11.2069425	8.52195396	-0.401714126	3.62057674	0.056795904	MRP2
YDL045W-A	7.56258065	10.8783458	7.38413794	6.91805112	6.90660408	5.7458629	-0.40184457	2.9479561	0.046600588	MRP10
YGL041W-A	8.74628893	10.3027719	10.7735783	8.98755359	6.84144744	6.71426676	-0.40197054	3.15042038	0.025886213	YGL041W-A
YGR228W	6.83920337	5.75573851	4.11574901	3.25207531	3.71392861	5.68130264	-0.401988361	2.32328652	0.127763635	YGR228W
YPR187W	83.5829566	123.345476	86.3702036	78.5228366	65.4172688	78.053351	-0.402204131	6.4272683	0.002799107	RPO26
YIL171W-A	0.78913885	0.92091816	0.78683437	0.53215778	0.78187971	0.58104232	-0.403296637	-0.222863	0.402483036	YIL171W-A
YJL220W	0.78913885	0.92091816	0.78683437	0.53215778	0.78187971	0.58104232	-0.403298542	-0.222863	0.402435576	YJL220W
YOR333C	6.83920337	6.27375498	4.59995478	3.54771852	4.82159153	5.03570007	-0.403339887	2.4065128	0.073680453	YOR333C
YER056C-A	371.552875	521.469909	386.27515	299.900472	304.476989	362.828646	-0.403616277	8.54913327	0.001862372	RPL34A
YDL186W	7.69410379	6.15864021	8.47360091	5.43983506	5.53831459	5.87498341	-0.403828203	2.7336831	0.030015122	YDL186W
YGL101W	33.406878	54.7370733	39.9469757	30.9834084	35.7709966	30.1496401	-0.404041782	5.23535228	0.008573052	YGL101W
YIL156W-A	4.86635624	5.92841067	5.20521199	2.60166025	4.36549503	5.16482058	-0.405721922	2.26656579	0.101631777	YIL156W-A
YOR277C	0.59185414	0.92091816	0.3026286	0.7095437	0	0.64560257	-0.405848405	-0.5991819	0.527977237	YOR277C
YKL085W	207.083187	208.587964	194.045461	164.259368	154.030302	141.645204	-0.406485032	7.47912954	9.39783E-06	MDH1
YBR262C	8.22019636	9.26673901	7.44466366	5.97199284	6.97176072	5.87498341	-0.407604228	2.89234312	0.020234108	MIC12
YLR061W	252.721717	332.451457	268.613149	236.632825	201.008241	205.559859	-0.408645594	7.96389047	0.000366675	RPL22A
YOR234C	381.088303	522.851287	406.853895	314.919147	324.349765	347.592425	-0.40968636	8.58160166	0.000467947	RPL33B
YPL132W	26.3046283	30.1600698	25.0576484	17.5612067	21.5668486	22.2732888	-0.411035495	4.58218578	0.001715117	COX11
YFR032C-A	16.9664853	24.3467739	12.1656699	12.4761435	13.8783648	13.8804553	-0.411929783	3.97910421	0.05117486	RPL29
YJR148W	409.43154	420.284026	401.467106	324.557116	307.018098	293.68461	-0.412044904	8.49005916	4.01389E-06	BAT2
YEL018C-A	3.55112483	2.93542664	3.81312041	2.83817482	1.82438598	3.03433209	-0.414036572	1.64481025	0.095575887	YEL018C-A
YHR084W	148.752673	146.138201	151.132725	106.017655	119.236655	109.300516	-0.415076759	7.0248961	8.07622E-07	STE12
YCR003W	5.91854138	11.6265918	9.50253816	6.26763605	7.29754393	6.77882701	-0.415149732	3.0104047	0.074447976	MRPL32
YKR085C	32.5519776	35.1100049	29.2944489	24.4201292	22.6745115	25.5658619	-0.416249487	4.82836024	0.000261491	MRPL20
YIR030C	5.1951641	8.1155913	6.71835501	4.61203408	5.40800131	5.03570007	-0.417146646	2.58318097	0.046362465	DCG1
YDL162C	0.13152314	0.17267216	0.12105144	0.11825728	0.19546993	0	-0.417979938	-2.0128815	0.782173791	YDL162C
YHR175W-A	0.52609257	0.34534431	0.24210288	0.11825728	0.39093985	0.32280129	-0.41824442	-1.170727	0.509892255	YHR175W-A
YDR445C	1.18370828	0.80580339	1.1499887	0.53215778	0.97734963	0.83928334	-0.418669716	0.04715197	0.280594714	YDR445C
YBR146W	64.1175316	84.5517988	63.9151612	52.2105909	48.7371684	58.0396713	-0.419851275	5.95625611	0.000342503	MRPS9
YNL147W	12.4289369	20.3753143	11.2577841	13.0674299	11.3372558	8.52195396	-0.420594917	3.70107669	0.06799681	LSM7
YBR268W	18.6105246	20.1450848	18.2787677	14.7821605	13.0313285	14.78242989	-0.420761645	4.06589792	0.001345612	MRPL37
YCR021C	14.401784	12.8352969	13.6788129	10.2883837	9.12192992	11.1043642	-0.421459874	3.58890532	0.005082091	HSP30
YLR010C	2.89350912	5.06504989	2.9052346	2.18775975	2.99720554	2.96977183	-0.422057409	1.72595334	0.129415685	TEN1
YMR316C-B	1.70980084	1.1511477	2.11840023	1.41908741	0.78187971	1.48488592	-0.422158911	0.65006553	0.226872591	YMR316C-B
YER102W	780.852892	1068.4953	779.994964	591.168163	640.294324	730.30563	-0.422629721	9.57996509	0.001154268	RPS8B
YOR089C	373.459961	284.563712	364.183262	238.17017	255.739821	268.57067	-0.422819126	8.21702358	0.000152	ALT1
YOR253W	31.1709846	50.5929415	35.1049181	26.0166025	30.4281519	30.7952427	-0.423630347	5.09523994	0.00752443	NAT5
YGL031C	507.679327	790.6658	504.360831	463.805068	448.668639	430.746036	-0.42453933	9.03481299	0.003908312	RPL24A
YKR071C	77.7959383	103.027719	83.9491747	67.9979383	67.6977513	61.6550457	-0.424561695	6.27026237	6.80599E-05	DRE2
YPR035W	687.734508	640.498582	681.45909	500.050925	499.165036	496.9203	-0.425690614	9.19090512	1.66872E-06	GLN1
YOR232W	74.0475288	99.6318337	70.7545676	64.5093484	62.5503766	54.9407789	-0.425845423	6.15462367	0.000555106	MGE1
YLR058C	2565.68769	2060.61195	2478.8309	1732.76485	1736.2942	1819.04981	-0.426089114	11.0123853	4.28095E-05	SHM2
YLR406C	156.117969	229.538852	144.535421	154.56227	124.644657	115.36918	-0.426220214	7.26976297	0.005683904	RPL31B
YOR268C	0.19728471	0.51801647	0.12105144	0.23651457	0.32578321	0.06456026	-0.426393078	-1.4285031	0.573117318	YOR268C
YER131W	342.02593	483.59715	330.652013	327.690934	271.442572	261.146241	-0.426620586	8.39350849	0.00226826	RPS26B
YPL092W	142.110755	117.53218	136.667078	90.0529218	97.9304333	106.782666	-0.426960593	6.84917012	1.38349E-05	SSU1
YKR006C	47.0195232	59.9747953	49.1468853	35.4771852	37.7908525	42.9325711	-0.427695042	5.50907666	0.000193023	MRPL13
YBR195C	37.4840954	45.9883507	42.065376	31.2790516	31.6009715	30.4724414	-0.428487152	5.19516733	4.69727E-05	MSI1
YBL031W	18.4132398	19.4543962	18.218242	11.0570561	15.3769676	15.300781	-0.428889066	4.03798982	0.005240518	SHE1
YKR094C	353.73149	535.456354	407.035472	302.265618	330.735116	329.902915	-0.429034527	8.55724825	0.001011071	RPL40B
YER187W	0.32880785	0.80580339	1.21051442	0.82780099	0.58640978	0.32280129	-0.430081009	-0.2958042	0.374077826	YER187W
YHR039C-A	55.5027658	59.3416641	54.836303	44.8195106	41.9608776	39.1235159	-0.430114821	5.62680003	3.79667E-06	VMA10
YDR139C	5.32668724	9.95742763	5.26573771	6.09025013	5.01706145	4.13185646	-0.43231665	2.61599422	0.115441517	RUB1
YMR151W	2.76198598	2.82031187	3.02628604	1.47821605	2.47595241	2.45328978	-0.433177489	1.39152181	0.098865875	YIM2
YIL130W	170.651276	178.600566	174.435127	118.493799	134.28784	135.124618	-0.433390845	7.24856506	6.79826E-07	ASG1
YPR069C	261.862575	331.357866	277.873584	205.05813	218.079282	222.022725	-0.433435222	7.98222672	2.83406E-05	SPE3
YJR102C	9.40390463	11.2812475	8.65517807	7.09543704	7.10207401	7.5535501	-0.433435548	3.11350832	0.010885116	VP525
YOL127W	1009.44011	1623.69383	1077.17625	890.772992	896.294771	959.688224	-0.433858988	10.0719452	0.003451767	RPL25
YDR224C	234.703046	384.022874	247.550198	221.081992	212.019714	208.20683	-0.433969924	7.97414316	0.003928682	HTB1
YMR158W	13.2838373	17.3823303	12.1051442	9.46058272	10.555376	11.6854066	-0.434594661	3.65014867	0.013467627	MRPS8
YJL117W	201.36193	192.989912	201.369073	148.235506	142.82336	148.875953	-0.437205602	7.43250835	2.51591E-07	PHO86
YER048W-A	9.40390463	11.1085753	10.1077954	6.56327926	7.81879707	8.26371293	-0.438780565	3.17181813	0.009125467	ISD11
YGR020C	73.2583899	97.5597678	60.8283494	65.4554067	57.2075319	48.1619519	-0.439344901	6.0715201	0.003599667	VMA7
YJR099W	17.4925779	24.3467739	15.3130074	16.3786338	13.0313285	12.7183707	-0.439849371	4.06297506	0.016693993	YUH1
YJR025C	24.4633044	30.4478567	25.9655342	21.7002116	19.2863661	18.5287938	-0.44263242	4.55811623	0.000511941	BNA1
YML009C	2.56470126	3.16565618	1.69472018	1.95124519	1.95469927	1.54944617	-0.444051614	1.18851282	0.12424029	MRPL39
YGL226W	6.44463394	8.57605039	7.32361222	6.0466519	4.6261216	5.03570007	-0.444256656	2.72521339	0.029046567	MT3
YNL279W	29.0008528	21.9293637	25.6629056	16.023862	18.2438598	21.9504875	-0.445853311	4.4751277	0.002534967	PRM1
YLR283W	18.1501936	24.058987	16.8261504	13.2448158	15.0511844	15.1071002	-0.445946604	4.10602496	0.005234425	YLR283W
YLR264W	34.5248247	27.8577744	32.0181063	23.3558136	24.6292108	21.2403246	-0.446017613	4.77567616	0.000204277	RPS28B
YBR285W	1.51251613	1.26626247	1.27104014	1.00518691	0.84703635	1.09752437	-0.448736577	0.36804535	0.200421074	YBR285W
YOR388C	11.2452286	9.49696855	11.8630413	8.45539581	8.53552014	6.84338727	-0.449564488	3.25322761	0.008279265	FDH1

YML026C	650.184651	850.75571	658.035636	510.043666	551.68129	519.129029	-0.449733346	9.28416824	7.30539E-05	RPS18B
YEL067C	5.45821038	5.00749251	5.02363483	3.54771852	3.45330204	4.32553724	-0.450561624	2.19976634	0.022701406	YEL067C
YDL196W	0.32880785	0.28778693	0	0	0.19546993	0.25824103	-0.450728252	-1.739242	0.650604497	YDL196W
YCR064C	3.94569425	3.56855788	3.93417185	2.71991753	2.67142233	2.96977183	-0.451257395	1.7770139	0.037333875	YCR064C
YER103W	118.04202	100.38008	98.1727191	87.6286475	74.4088855	69.3377163	-0.451345407	6.51511139	2.02332E-05	SSA4
YPL283W-A	16.8349621	11.6841492	13.3761843	10.9387988	11.2069425	8.39283344	-0.452836294	3.60727587	0.012996911	YPL283W-A
YNL339W-A	16.8349621	11.6841492	13.3761843	10.9387988	11.2069425	8.39283344	-0.452837232	3.60727587	0.013010735	YNL339W-A
YML133W-A	16.8349621	11.6841492	13.3761843	10.9387988	11.2069425	8.39283344	-0.452837683	3.60727587	0.013017398	YML133W-A
YGR296C-A	16.8349621	11.6841492	13.3761843	10.9387988	11.2069425	8.39283344	-0.452837992	3.60727587	0.013021948	YGR296C-A
YER190C-A	16.8349621	11.6841492	13.3761843	10.9387988	11.2069425	8.39283344	-0.452838969	3.60727587	0.013036392	YER190C-A
YGR219W	5.39244881	7.19467314	8.23149803	5.61722099	4.88674817	4.71289878	-0.452873826	2.62171601	0.028666966	YGR219W
YML094W	20.846418	32.6925948	19.7919107	18.329879	17.5922934	17.6895105	-0.453154937	4.41458443	0.009681315	GIM5
YMR244C-A	6.64191866	6.79177145	6.59730357	6.09025013	5.92925445	5.28241029	-0.453291107	2.56395784	0.096391149	COA6
YCR090C	15.1251613	22.7351671	15.4945845	13.0674299	12.379762	13.557654	-0.453717272	3.95929536	0.009370159	YCR090C
YJR082C	3.6168864	6.67665668	3.2078632	2.18775975	3.64877197	4.06729621	-0.453746528	2.01412573	0.163916415	EAF6
YBR018C	4.07721739	4.02901696	3.26838892	2.89730346	3.25783211	2.13048849	-0.45467177	1.76770167	0.057737276	GAL7
YLR325C	94.2363311	146.944004	84.4939062	69.0031252	81.6412728	86.8981063	-0.455830253	6.55514338	0.005587867	RPL38
YOL118C	2.36741655	1.89939371	1.63419446	1.18257284	1.49860277	1.61400643	-0.455953396	0.86259666	0.120750274	YOL118C
YGL034C	0.32880785	0.17267216	0.54473149	0.41390049	0.26062657	0.06456026	-0.456656966	-1.2404603	0.499204511	YGL034C
YPL251W	12.2316522	11.2236901	11.6209384	9.73029136	7.49301386	13.3639733	-0.456720627	3.35268146	0.110586889	YPL251W
YLR348C	94.7624236	86.4511925	91.0912098	74.9751181	64.6353891	58.6207136	-0.456940481	6.29582347	3.44175E-06	DIC1
YJL119C	1.70980084	1.72672155	1.21051442	1.53734469	0.39093985	1.42032566	-0.459450313	0.55051233	0.218577069	YJL119C
YDR031W	3.55112483	6.04352544	3.38944036	3.48858988	3.12751883	2.84065132	-0.4597395	1.95966052	0.084484402	MIX14
YHR093W	2.63046283	2.53252495	2.29997739	1.53734469	2.41079576	1.48488592	-0.460173642	1.18386095	0.103507024	AHT1
YLR359W	1056.13083	1144.35593	1047.76075	800.483556	798.755277	761.229993	-0.460597551	9.86872231	5.27671E-07	ADE13
YDL034W	3.94569425	3.05054141	3.69206897	2.42427432	2.54110905	2.77609106	-0.46166757	1.67442229	0.046253295	YDL034W
YLR331C	0.65761571	1.26626247	1.57366874	0.23651457	0.78187971	1.54944617	-0.462378446	0.18352088	0.341951137	JIP3
YDR078C	3.55112483	6.10108283	4.6604805	3.60684716	3.51845868	3.29257312	-0.462680553	2.09453376	0.050634498	SHU2
YBR297W	19.9915175	16.7491991	20.2761165	14.4273887	14.3344613	12.5246899	-0.463743243	4.04541974	0.000944161	MAL33
YOR010C	14.3360224	12.3172804	14.3445958	9.46058272	9.38255649	10.8461232	-0.464645999	3.57349013	0.002332492	TIR2
YOR182C	277.053498	394.210531	255.418542	243.669134	222.57509	204.526895	-0.466315998	8.05757692	0.000942674	RPS30B
YJL062W-A	33.2753549	28.2031187	28.9312945	19.4533232	21.6320052	24.2746567	-0.467949248	4.70470527	0.000155836	COA3
YJL157C	237.333509	253.079822	242.889718	180.164972	172.469632	177.411587	-0.468307729	7.71909167	7.00762E-08	FAR1
YLR146W-A	3.68264797	4.31680389	2.29997739	3.01556074	1.56375941	2.84065132	-0.468720339	1.62833062	0.124677513	YLR146W-A
YGR035C	10.4560898	17.9579042	13.6182872	7.86410939	12.379762	10.2005206	-0.469103305	3.61250831	0.033304799	YGR035C
YHR053C	4.07721739	6.44642714	4.59995478	3.31120395	4.10486846	3.55081415	-0.469798775	2.1669639	0.043993811	CUP1-1
YHR055C	4.07721739	6.44642714	4.59995478	3.31120395	4.10486846	3.55081415	-0.469802941	2.1669639	0.043932404	CUP1-2
YCR098C	9.00933521	7.07955837	8.29202375	6.44502198	6.49127824	6.39146547	-0.471240325	2.83014244	0.013403004	GIT1
YDL075W	555.94832	786.176324	552.599831	493.428518	439.546709	431.972681	-0.47317815	9.08603148	0.000302419	RPL31A
YJL096W	18.9393324	29.4693812	21.1234766	17.3838208	15.3769676	17.3021489	-0.475290724	4.32936342	0.003946263	MRPL49
YDR222W	34.6563478	34.1315294	32.9865178	26.430503	22.4138849	24.2746567	-0.475608666	4.87241996	9.66651E-06	YDR222W
YFL004W	305.791305	312.824388	305.775941	231.488633	225.832922	206.528263	-0.477567662	8.04905183	1.16204E-07	VTC2
YGL147C	612.174463	949.524183	710.632488	491.181629	544.514059	593.889807	-0.479774195	9.34539191	0.000624615	RPL9A
YJL217W	50.8336943	42.0744485	44.9100848	33.6208274	31.2471645		-0.480319155	5.30531346	3.75416E-06	REE1
YPR042C	60.3033605	54.1614994	57.438909	38.0788455	40.2668049	44.8693788	-0.48043401	5.62381776	6.93834E-07	PUF2
YMR101C	0.52609257	1.26626247	1.1499887	1.06431556	0.32578321	0.71016283	-0.480446055	-0.0305592	0.262613764	SRT1
YHL015W	684.775237	944.977149	609.130854	439.739711	583.151948	580.267592	-0.481957531	9.32304002	0.001598923	RPS20
YGL258W	2.76198598	2.64763972	3.02628604	2.18775975	2.01985591	1.8076872	-0.483382706	1.34375767	0.050189164	VEL1
YNL318C	0.460331	0.57557385	0.72630865	0.29564321	0.4560965	0.51648206	-0.484310101	-0.6671076	0.362455537	HXT14
YJL038C	8.28595793	4.6621482	5.14468627	4.31639087	4.1700251	4.39009749	-0.484417087	2.39709074	0.04510636	LOH1
YBR047W	2.10437027	2.82031187	2.11840023	1.41908741	2.08501255	1.54944617	-0.486752746	1.10158201	0.079149939	FMP23
YGL069C	49.649986	63.0253367	51.6284398	30.2147361	38.7682021	48.3556327	-0.487108696	5.5570637	0.000951306	YGL069C
YJL027C	0.26304628	0.28778693	0.42368005	0.29564321	0.26062657	0.12912051	-0.487189686	-1.3126695	0.473642704	YJL027C
YGL183C	0.460331	0.69068862	0.78683437	0.29564321	0.58640978	0.51648206	-0.48723174	-0.5535619	0.327822017	MND1
YNL315C	42.9423058	52.7801222	46.2416507	32.4024958	36.1619365	32.7966107	-0.487432947	5.34717241	5.18812E-06	ATP11
YLR297W	6.05006452	3.74123003	5.56836631	4.19813358	3.84424189	2.84065132	-0.489409776	2.1679173	0.04398655	YLR297W
YPR020W	17.16377	28.2606761	18.1577162	12.9491726	14.9208711	17.4958297	-0.489452855	4.19527846	0.011188138	ATP20
YER138W-A	0.39456943	0.23022954	0.36315432	0.41390049	0.13031328	0.12912051	-0.49340053	-1.3126299	0.476526186	YER138W-A
YML090W	3.74840954	3.45344311	3.2078632	1.95124519	2.41079576	3.03433209	-0.495148197	1.62684267	0.039384612	YML090W
YLR462W	3.1565554	2.64763972	2.9052346	2.06950247	2.34563912	1.74312695	-0.495561722	1.37954752	0.045658162	YLR462W
YAL059W	24.2002581	33.0954965	30.2628604	19.3941946	21.0455955	21.7568067	-0.495625209	4.65054464	0.000202068	ECM1
YHR121W	34.0644937	42.9378093	39.0996156	27.3174326	27.3006331	27.7609106	-0.496339915	5.05472793	9.06182E-06	LSM12
YDL068W	1.05218513	1.89939371	1.51314302	1.71473062	0.58640978	0.83928334	-0.497089646	0.49670181	0.200631095	YDL068W
YBR134W	1.05218513	0.46045908	0.48420577	0.29564321	0.39093985	0.71016283	-0.49878983	-0.5519577	0.294792125	YBR134W
YLR347W-A	0	0.23022954	0.12105144	0.05912864	0.19546993	0	-0.500165598	-2.1386889	0.762119752	YLR347W-A
YGL041C	0.06576157	0.28778693	0	0.11825728	0.13031328	0	-0.502463983	-2.1388143	0.762410917	YGL041C
YGR025W	0.06576157	0.28778693	0	0.11825728	0.06515664	0.06456026	-0.502738045	-2.1388305	0.762128392	YGR025W
YFR015C	79.0454082	66.9392389	67.5467044	60.3112149	47.4991922	42.6743301	-0.503274695	5.92624588	3.4951E-05	GSY1
YOR293W	416.731075	591.632362	433.908892	339.398405	336.794684	341.071839	-0.503764839	8.67982608	4.29624E-05	RPS10A
YGR059W	2.95927069	1.43893463	2.23945167	1.77385926	1.49860277	1.3557654	-0.504146845	0.99605449	0.099417735	SPR3
YLR466W	588.960629	436.745438	539.102595	414.373523	353.996037	334.422133	-0.504627141	8.79677244	3.18288E-05	YRF1-4
YJL188C	38.5362805	69.3566491	35.7101753	29.0321632	37.6605392	34.6042979	-0.504634215	5.3572992	0.012032611	BUD19
YNL146W	0.65761571	0.4029017	0.66578293	0.11825728	0.65156642	0.4519218	-0.507538708	-0.7140199	0.376661344	YNL146W

YNL226W	2.56470126	2.24473802	2.36050311	1.65560198	1.30313285	2.06592823	-0.508152894	1.10941158	0.057873667	YNL226W
YKL006C-A	3.68264797	7.25223053	5.56836631	3.72510445	4.03971182	3.87361544	-0.509300286	2.272625967	0.042148148	SFT1
YLR349W	14.5990687	12.3172804	12.6498756	8.92842494	10.0992796	8.71563473	-0.510757711	3.50331693	0.000926586	YLR349W
YBR009C	141.518901	226.200524	135.396037	139.484467	121.061041	91.9983666	-0.513113274	7.15796805	0.004182689	HHF1
YPL018W	20.9779411	23.2531836	22.5155681	16.1421193	14.9860277	15.6235823	-0.513779966	4.25276013	3.24639E-05	CTF19
YIL009W	126.459501	124.957083	134.488152	92.4771961	89.2645999	88.3829922	-0.514417338	6.77455087	3.02574E-10	FAA3
YJL189W	10.4560898	10.4754441	5.32626343	5.43983506	5.66862788	7.16618856	-0.522724693	2.91573038	0.042610086	RPL39
YOR265W	12.1658906	19.3968388	13.1340814	9.93361186	10.0992796	11.1043642	-0.524030228	3.67817552	0.005733314	RBL2
YKL209C	560.288584	484.748298	522.518548	364.646335	367.092523	356.953662	-0.525817457	8.79062968	1.43054E-08	STE6
YKL170W	7.43105751	11.1661327	7.8683437	6.14937877	6.3201943	5.93954367	-0.526511916	2.93206503	0.008148475	MRPL38
YDR044W	159.07724	118.856	142.961753	106.490684	94.0861914	91.094523	-0.528307332	6.89341814	1.3332E-06	HEM13
YDR446W	0.39456943	0.63313124	0.24210288	0.23651457	0.19546993	0.4519218	-0.528732448	-1.0435652	0.357469521	ECM11
YJL205C	0.39456943	0.28778693	0.24210288	0.23651457	0.13031328	0.25824103	-0.530788129	-1.3882363	0.453630689	NCE101
YAL044C	306.185874	320.997537	312.131142	201.377636	207.654219	221.118881	-0.530815179	8.05017725	1.77059E-09	GCV3
YPR194C	58.6593212	50.0749251	49.4495139	33.4076827	39.159142	36.8639069	-0.53142185	5.48284068	4.3022E-07	OPT2
YIL169C	218.131131	171.46345	204.274308	156.277001	132.52861	121.760645	-0.531968444	7.38835274	3.36222E-06	YIL169C
YML129C	3.1565554	4.2592465	4.23680046	3.31120395	1.95469927	2.77609106	-0.532153556	1.77757848	0.033180773	COX14
YLR456W	3.6168864	5.58306636	3.08681176	2.42427432	3.51845868	2.58241029	-0.53303643	1.8507158	0.052815779	YLR456W
YBR092C	667.151136	488.201741	591.396818	399.827877	400.12694	407.052422	-0.533119358	8.94370021	1.91133E-06	PHO3
YJL136W	187.223192	268.274972	169.835173	139.602724	142.562733	147.455628	-0.541803834	7.45942662	8.90263E-05	RPL35B
YHR152W	14.5333072	18.8212649	16.039316	10.8796701	11.4024124	11.6854066	-0.54243644	3.81191044	0.000293653	SPO12
YDR535C	1.5782777	0.74824601	0.84736009	0.53215778	0.97734963	0.64560257	-0.546041539	0.00390971	0.189262844	YDR535C
YDR481C	190.313986	165.362368	200.70329	118.789442	127.707019	134.285335	-0.547094388	7.28835465	1.47297E-08	PHO8
YDL191W	387.532937	574.134917	353.651787	279.97412	291.575974	327.191384	-0.549561902	8.52820126	0.00024478	RPL35A
YLR355C	2074.38299	1821.3459	2164.88398	1417.60919	1350.30625	1355.95908	-0.555436612	10.7292386	1.57229E-08	ILV5
YLR287C-A	78.913885	126.626247	70.2098361	72.7873583	62.6806899	52.1646879	-0.555522538	6.27480029	0.002035611	RPS30A
YKL167C	12.9550295	19.5119536	11.1367326	7.7458521	9.77349634	12.2018886	-0.555602996	3.62869417	0.014723728	MRP49
YBR012C	4.01145582	3.51100049	3.2078632	3.01556074	2.08501255	2.13048849	-0.559054061	1.64397586	0.019895126	YBR012C
YBL059C-A	4.53754839	8.05803392	4.53942906	4.31639087	3.58361532	3.74449492	-0.559111482	2.30874007	0.030029151	CMC2
YNR034W-A	1.18370828	1.61160678	1.93682307	0.76867235	0.84703635	1.61400643	-0.560419042	0.54108978	0.0119977123	YNR034W-A
YNR022C	12.0343675	15.9433957	12.347247	10.2883837	8.20973693	8.78019499	-0.563649284	3.51441534	0.001114191	MRPL50
YDL069C	6.3131108	9.49696855	6.35520068	6.09025013	5.66862788	3.22801286	-0.564016209	2.66706121	0.029691176	CBS1
YOL131W	0.13152314	0.46045908	0.24210288	0.11825728	0.19546993	0.25824103	-0.570725729	-1.4689892	0.436191565	YOL131W
YOR192C-C	0.13152314	0.51801647	0.18157716	0.17738593	0.26062657	0.12912051	-0.570749751	-1.4692283	0.438745773	YOR192C-C
YJL120W	1.44675456	1.32381986	1.08946297	0.7095437	0.91219299	0.96840386	-0.574485776	0.2604407	0.111882585	YJL120W
YCL048W	1.1179467	2.07206587	1.57366874	0.76867235	1.30313285	1.16208463	-0.574836436	0.55055662	0.097638961	SPS22
YBL044W	1.18370828	0.63313124	0.84736009	0.41390049	0.71672306	0.64560257	-0.57523661	-0.2215089	0.186609764	YBL044W
YMR319C	124.223607	110.913081	134.730254	83.6078998	85.9416111	78.5698331	-0.575675135	6.68836994	5.32608E-10	FET4
YDL114W	0.85490042	0.57557385	0.84736009	0.29564321	0.58640978	0.64560257	-0.57614937	-0.407132	0.219353151	YDL114W
YKR080W	118.568112	158.340367	126.740859	83.253128	95.6499508	91.9338063	-0.576397869	6.81477542	1.54315E-07	MTD1
YDL246C	2.95927069	3.28077095	3.02628604	2.30601704	1.17281956	2.71153081	-0.577991351	1.4390752	0.037437904	SOR2
YPL281C	1.51251613	1.38137724	1.81577162	1.00518691	0.97734963	1.16208463	-0.579320891	0.52089726	0.07409589	ERR2
YOR393W	1.51251613	1.38137724	1.81577162	1.00518691	0.97734963	1.16208463	-0.579321022	0.52089726	0.074156837	ERR1
YAR019W-A	0.32880785	0.28778693	0.24210288	0.23651457	0.26062657	0.06456026	-0.579324125	-1.4685628	0.433399371	YAR019W-A
YNL259C	3.55112483	6.9644436	5.14468627	4.31639087	3.12751883	3.03433209	-0.580324687	2.17627964	0.030159498	ATX1
YPL189W	9.4696662	6.33131237	6.59730357	4.31639087	5.27768802	5.35850135	-0.580427121	2.66270858	0.00600228	GUP2
YLR437C-A	6.7734418	4.83482035	6.17362352	3.19294667	4.88674817	3.80905518	-0.580496642	2.3382217	0.0100997	YLR437C-A
YER188W	5.58973352	5.87085328	4.90258338	3.6659758	3.90939854	3.35713338	-0.58124388	2.22711985	0.002821888	YER188W
YHR116W	10.8506592	9.6696407	10.9551555	5.9128642	7.29754393	7.81179113	-0.583524651	3.14916348	0.000643267	COX23
YNL269W	0.78913885	0.23022954	0.06052572	0.11825728	0.4560965	0.12912051	-0.584050672	-1.2743841	0.427639601	BSC4
YFR052C-A	25.9100589	29.1240369	20.3366422	19.15768	15.3118109	15.7527028	-0.58445	4.39832507	0.000134867	YFR052C-A
YMR195W	32.5519776	34.7071032	30.565489	21.5228257	24.3034276	19.3680772	-0.585838785	4.77149469	8.80514E-07	ICY1
YGR205W	41.6270744	42.3046781	39.8259243	27.5539472	27.3657898	27.2444286	-0.590772483	5.10696367	1.17519E-09	TDA10
YNL244C	67.0110407	99.5742763	82.6176089	49.0767729	52.8420369	63.5918534	-0.591435967	6.11457064	1.12539E-05	SUI1
YBR301W	1.24946985	1.03603293	1.51314302	1.06431556	0.58640978	0.83928334	-0.592371511	0.23439335	0.09470421	PAU24
YER067W	8.02291165	13.007969	8.95780668	7.68672346	6.84144744	5.35850135	-0.593162218	3.08407885	0.007054696	RG11
YOR210W	4.53754839	7.59757484	4.84205766	4.31639087	3.84424189	3.09889235	-0.593531712	2.28179371	0.017104985	RPB10
YER145C	394.109094	401.635434	593.63627	298.126613	269.813656	352.369884	-0.594271041	8.58909518	6.60673E-05	FR11
YLR162W-A	0	0.28778693	0.18157716	0.17738593	0.13031328	0	-0.598272272	-1.954697	0.59717969	RRT15
YGR286C	36.3661487	40.1750548	38.5548841	27.080918	24.2382709	24.6620183	-0.598743003	5.00005942	8.75441E-09	BIO2
YMR225C	8.02291165	10.5330015	7.14203505	5.79460692	5.53831459	5.61674238	-0.60158736	2.85915577	0.001822132	MRPL44
YNL122C	4.93211781	7.3673453	3.57101753	3.01556074	2.99720554	4.45465775	-0.603434916	2.18008193	0.035759508	YNL122C
YKL062W	124.223607	133.130232	126.196128	75.8620477	84.3126951	92.1920474	-0.604525402	6.72966709	3.41828E-11	MSN4
YLR453C	16.3088696	16.0585105	14.5866987	10.1109978	9.83865298	10.9106835	-0.605013321	3.71191484	1.77512E-05	RIF2
YPR002C-A	3.81417111	4.77726297	4.11574901	2.71991753	3.32298876	2.32416926	-0.605716355	1.86748534	0.007732582	YPR002C-A
YLR112W	12.100129	9.61208332	9.50253816	7.27282297	7.16723065	6.00410393	-0.606498852	3.12664677	0.000505701	YLR112W
YML091C	132.904135	158.05258	130.917134	84.7904726	96.624571	95.2909397	-0.608749048	6.86535071	4.50997E-10	RPM2
YOR375C	494.921582	508.116596	491.589904	356.131811	323.11789	298.913991	-0.611535223	8.68750533	1.32353E-10	GDH1
YNL104C	652.683591	504.145136	608.949277	399.236591	378.299465	377.871186	-0.611759023	8.92774279	8.45264E-09	LEU4
YAR073W	1.24946985	0.97847555	0.96841153	0.7095437	0.71672306	0.64560257	-0.612774336	0.00225663	0.104763607	IMD1
YNR071C	6.05006452	5.58306636	6.05257208	3.31120395	3.64877197	4.58377827	-0.61651894	2.32093022	0.001770406	YNR071C
YLR159C-A	0.32880785	0.28778693	0.36315432	0.11825728	0.19546993	0.32280129	-0.617841531	-1.3496131	0.35940077	YLR159C-A
YLR154C-H	0.32880785	0.28778693	0.36315432	0.11825728	0.19546993	0.32280129	-0.617863838	-1.3496131	0.358880551	YLR154C-H

YLR156C-A	0.32880785	0.28778693	0.36315432	0.11825728	0.19546993	0.32280129	-0.617865994	-1.3496131	0.358830288	YLR156C-A
YLR157C-C	0.32880785	0.28778693	0.36315432	0.11825728	0.19546993	0.32280129	-0.617868865	-1.3496131	0.358763355	YLR157C-C
YOR032C	15.1909229	13.1806412	15.615636	8.10062396	10.6205327	9.87771936	-0.622084616	3.61102258	0.000101904	HMS1
YFL012W	0.85490042	0.74824601	0.54473149	0.59128642	0.4560965	0.32280129	-0.624732945	-0.4895755	0.156664369	YFL012W
YBR300C	1.05218513	0.97847555	1.08946297	0.59128642	0.91219299	0.51648206	-0.625432873	-0.0279094	0.127447524	YBR300C
YPL017C	42.8107826	39.4268088	41.5811702	25.0114156	26.5187534	28.600194	-0.627901002	5.09264897	1.02513E-09	IRC15
YJL136C	385.625852	564.407719	388.635653	297.062297	282.714671	285.550018	-0.629574824	8.5216757	1.94386E-06	RPS21B
YMR058W	669.321268	731.43925	1068.8237	471.55092	463.068257	660.322311	-0.630799021	9.40423635	0.000210259	FET3
YER066C-A	3.1565554	3.33832834	3.14733748	2.12863111	1.56375941	2.51785003	-0.632229668	1.47217029	0.009801481	YER066C-A
YHR185C	0	0.23022954	0.06052572	0.17738593	0	0	-0.633694118	-2.2766091	0.733964493	PFS1
YGL052W	1.77556241	1.20870509	1.93682307	0.76867235	1.36828949	1.03296412	-0.634013455	0.55302524	0.059364137	YGL052W
YBL026W	8.22019636	13.8137724	9.62358961	5.55809235	5.92925445	8.9093155	-0.637626698	3.14270692	0.007723591	LSM2
YNL146C-A	0.19728471	0.11511477	0	0.11825728	0.06515664	0	-0.637956619	-2.275783	0.733222086	YNL146C-A
YOL077W-A	5.06364096	8.05803392	5.08416055	2.77904617	4.49580832	4.45465775	-0.640506434	2.35898868	0.014650596	ATP19
YKL137W	2.76198598	5.64062374	3.51049181	2.71991753	2.99720554	1.93680772	-0.64200565	1.77174704	0.027976553	CMC1
YHR005C-A	34.1302553	59.2265493	34.9233409	29.5051924	27.9521995	24.7265785	-0.643014673	5.1404516	0.00033308	TIM10
YKR074W	21.7013184	42.0744485	26.0260599	16.5560198	20.0030892	20.9820836	-0.644083829	4.62881342	0.001429479	AIM29
YJL170C	15.3882076	13.6411003	11.3788355	9.57884001	8.53552014	7.61811036	-0.647729509	3.47985315	0.000162455	ASG7
YBR083W	68.1289874	72.2345184	62.0993895	43.8143237	43.6549503	41.7059262	-0.648278437	5.79239433	1.9167E-12	TEC1
YMR017W	2.0386087	2.12962325	1.57366874	0.88692963	1.43344613	1.3557654	-0.648768184	0.7598333	0.03242572	SPO20
YHL046C	0.39456943	0.17267216	0.24210288	0.41390049	0.06515664	0	-0.648841016	-1.5536815	0.419863891	PAU13
YBR292C	0.52609257	0.4029017	0.66578293	0.35477185	0.4560965	0.19368077	-0.64955074	-0.8428845	0.207324579	YBR292C
YOR146W	5.65549509	6.44642714	5.62889203	3.84336173	3.64877197	3.80905518	-0.64995496	2.31536857	0.000534031	YOR146W
YDR183C-A	2.63046283	2.35985279	2.66313171	1.24170148	2.28048248	1.3557654	-0.653078007	1.14415778	0.023975761	YDR183C-A
YBR206W	14.7305919	15.0800349	14.2235444	7.80498075	8.66583342	11.5562861	-0.653494105	3.60181605	0.000128896	YBR206W
YJL079C	308.619052	249.626379	308.075919	178.154598	183.872044	188.064029	-0.655092653	7.88382732	1.25971E-10	PRY1
YPR160W	105.021229	87.717455	94.5411759	64.4502198	58.0545683	59.7827982	-0.655095545	6.29267487	1.54734E-12	GPH1
YMR120C	2710.03434	2288.42408	2576.27731	1538.52727	1587.08549	1663.45959	-0.661437019	11.0089619	2.29893E-11	ADE17
YHR139C-A	0.65761571	0.23022954	0.24210288	0.35477185	0.19546993	0.12912051	-0.663574151	-1.2397923	0.308957467	YHR139C-A
YFL027C	38.5362805	47.8301871	36.9812154	27.5539472	24.4337408	25.8241029	-0.664828515	5.07433255	3.50688E-08	GYP8
YKR095W-A	4.40602525	5.23772205	4.84205766	2.60166025	2.73657898	3.80905518	-0.667270689	2.02606988	0.002334783	PC11
YKL138C	15.6512539	16.28874	13.7393386	8.75103902	9.05677327	10.9106835	-0.670450914	3.64791152	1.61736E-05	MRPL31
YMR286W	6.11582609	6.44642714	4.23680046	2.89730346	4.56096496	3.09889235	-0.672381397	2.22823131	0.005820884	MRPL33
YBR201C-A	0.72337728	0.69068862	0.90788581	0.35477185	0.52125314	0.58104232	-0.673479528	-0.4078753	0.133671485	YBR201C-A
YLR202C	0.32880785	0.4029017	0.48420577	0.23651457	0.26062657	0.25824103	-0.678616092	-1.138595	0.250328784	YLR202C
YAR015W	339.132421	357.316247	305.533839	212.094439	208.045159	204.204094	-0.682416153	8.08325011	2.53065E-13	ADE1
YCR020W-B	1.18370828	1.20870509	0.66578293	0.29564321	0.78187971	0.83928334	-0.683753987	-0.0736742	0.11675589	HTL1
YNL013C	0.78913885	0.4029017	0.96841153	0.41390049	0.13031328	0.77472309	-0.69267069	-0.5099244	0.149224204	YNL013C
YOR125C	30.3160842	33.4408408	30.0207575	18.2116217	19.2863661	20.4010413	-0.696907266	4.66823584	8.88503E-10	CAT5
YBL062W	0.460331	1.1511477	0.42368005	0.29564321	0.26062657	0.71016283	-0.700489793	-0.5545939	0.17472818	YBL062W
YHR052W-A	0.65761571	1.49649201	0.78683437	0.76867235	0.65156642	0.38736154	-0.702615769	-0.1081973	0.092475486	YHR052W-A
YHR054W-A	0.65761571	1.49649201	0.78683437	0.76867235	0.65156642	0.38736154	-0.702620822	-0.1081973	0.092402156	YHR054W-A
YHR165W-A	0.98642356	1.20870509	0.78683437	0.47302914	0.58640978	0.77472309	-0.705563766	-0.1063292	0.094753973	YHR165W-A
YBL016W	70.1675961	64.7520583	64.5204184	34.353741	43.720107	43.9655352	-0.709419098	5.74699117	2.48595E-11	FUS3
YJL218W	3.55112483	4.48947604	3.08681176	2.2468884	2.54110905	2.00136798	-0.71437114	1.6429502	0.003662301	YJL218W
YJR005C-A	0.13152314	0.11511477	0.18157716	0.23651457	0	0	-0.720412692	-2.0746378	0.563275053	LSO1
YER011W	158.156578	109.704376	131.098711	89.6390213	76.9499945	75.0190189	-0.722650021	6.73987311	3.52163E-09	TIR1
YOR226C	46.888	60.5503692	42.6101074	33.2894255	29.9068988	27.6963504	-0.723137016	5.33380973	3.98615E-08	ISU2
YIL011W	46.2303843	39.7145957	47.1495365	23.296685	29.4508023	27.2444286	-0.735064788	5.15537352	2.47718E-10	TIR3
YER188C-A	0.52609257	0.57557385	0.48420577	0.17738593	0.13031328	0.64560257	-0.735646711	-0.8698166	0.163247427	YER188C-A
YDR136C	0.85490042	0.63313124	0.84736009	0.47302914	0.58640978	0.32280129	-0.740669485	-0.4277654	0.083859678	VPS61
YLR434C	0.39456943	0.23022954	0.24210288	0.11825728	0.26062657	0.12912051	-0.741815122	-1.5098975	0.315088886	YLR434C
YLR255C	0.59185414	0.69068862	1.02893725	0.7095437	0.19546993	0.4519218	-0.742208165	-0.4291253	0.114818597	YLR255C
YBR099C	1.05218513	2.01450848	1.63419446	1.24170148	0.97734963	0.58104232	-0.744142284	0.47597837	0.034564346	YBR099C
YER091C	833.199103	635.088188	737.990114	431.579958	440.328588	444.561932	-0.744852716	9.19781764	0.31269E-12	MET6
YFR053C	278.82906	265.857562	235.989785	185.663936	146.081192	133.639733	-0.745888399	7.69929749	6.16853E-10	HXK1
YDR010C	0.32880785	0.46045908	0.48420577	0.29564321	0.19546993	0.25824103	-0.748296674	-1.1064783	0.19638084	YDR010C
YHR092C	252.590194	190.802732	243.313398	132.329901	129.466248	146.358103	-0.750346626	7.51252929	2.10523E-11	HXT4
YGR248W	7.82562693	9.6696407	6.96045789	5.49896371	4.6261216	4.39009749	-0.750957525	2.73251792	0.000121678	SQL4
YGR273C	1.1179467	1.03603293	1.4526173	0.88692963	0.32578321	0.9038436	-0.752342087	0.11552501	0.046570432	YGR273C
YDR343C	46.6249537	30.9083158	41.7627473	26.3122457	22.9351381	21.1112041	-0.759422649	4.98777794	2.3894E-07	HXT6
YEL039C	0.52609257	0.97847555	0.72630865	0.41390049	0.71672306	0.19368077	-0.759593124	-0.4695172	0.10772078	CYC7
YKL030W	43.9944909	42.5349076	48.5416281	20.4585101	28.1476695	31.118044	-0.762113291	5.16703564	2.30167E-08	YKL030W
YLR124W	0.06576157	0.17267216	0.3026286	0.11825728	0.06515664	0.12912051	-0.762632273	-1.8976627	0.444574994	YLR124W
YGR233C	194.193919	181.017976	193.440204	107.673257	114.610534	112.722209	-0.763359043	7.23601212	8.33125E-20	PHO81
YNL042W-B	0.19728471	0.11511477	0.24210288	0.05912864	0.13031328	0.12912051	-0.764500172	-1.8970889	0.443462004	YNL042W-B
YLR133C	399.106974	317.601651	389.664559	239.411872	221.011331	184.900577	-0.777476635	8.19025715	4.62772E-11	YDR133C
YAL067C	3.28807854	3.45344311	4.23680046	1.53734469	2.15016919	2.71153081	-0.784315333	1.59637329	0.002278727	SEO1
YPL121C	0.85490042	0.17267216	0.54473149	0.11825728	0.32578321	0.4519218	-0.787721427	-0.9237673	0.165222905	MEI5
YCL055W	34.1302553	40.1750548	38.3127813	20.5176388	23.6518611	20.8529631	-0.793997799	4.89546511	2.4464E-12	KAR4
YDR019C	254.431518	286.923565	258.444828	148.05812	147.905578	162.820969	-0.802003785	7.71373234	9.654E-18	GCV1
YOR381W	30.5791305	27.1095284	34.9233409	17.7977212	17.2013536	18.076872	-0.802292484	4.61005373	1.76484E-10	FRE3
YJR016C	1166.41298	1037.47187	1143.51244	621.028127	636.384925	659.676709	-0.804101676	9.77734158	1.00951E-17	ILV3

YHL045W	0.460331	0.51801647	0.36315432	0.29564321	0.19546993	0.25824103	-0.815496343	-1.074608	0.152287313	YHL045W
YLR346C	0.72337728	0.57557385	0.60525721	0.41390049	0.13031328	0.51648206	-0.816301361	-0.6910683	0.091350103	YLR346C
YFR023W	1.05218513	1.20870509	1.51314302	0.59128642	0.71672306	0.83928334	-0.816368544	0.1564894	0.028783817	PES4
YCR097W	8.87781207	15.7707235	11.8025156	4.43464815	7.36270058	8.9093155	-0.8198335	3.27554065	0.001889349	HMRA1
YGL015C	0.26304628	0.28778693	0.24210288	0.17738593	0.06515664	0.19368077	-0.8206485	-1.5980013	0.289120906	YGL015C
YJL037W	0.72337728	0.74824601	0.66578293	0.41390049	0.26062657	0.51648206	-0.829119027	-0.5538029	0.065421468	IRC18
YGR139W	0.460331	0.28778693	0.18157716	0.05912864	0.32578321	0.12912051	-0.837616303	-1.4678872	0.241675276	YGR139W
YCL021W-A	5.06364096	3.62611526	4.41837762	2.36514568	2.21532584	2.71153081	-0.839903183	1.81629574	0.000274832	YCL021W-A
YIL015W	382.995389	320.191734	356.496495	195.361033	195.469927	200.588719	-0.841217729	8.10495126	1.03508E-18	BAR1
YJL150W	0.06576157	0.05755739	0.12105144	0	0.06515664	0.06456026	-0.844870037	-2.4277052	0.693020493	YJL150W
YGL258W-A	0.13152314	0.11511477	0	0	0.06515664	0.06456026	-0.845327649	-2.4276517	0.693178369	YGL258W-A
YBR067C	484.662777	399.793597	452.006083	254.962704	250.983386	236.548783	-0.84778185	8.43724525	6.79365E-18	TIP1
YPL280W	0.19728471	0.51801647	0.54473149	0.05912864	0.06515664	0.58104232	-0.858004221	-1.1387644	0.207232911	HSP32
YFL026W	1070.07228	868.253155	1038.9224	479.947187	571.358596	590.338992	-0.858853924	9.588599	3.96906E-14	STE2
YIL111W	22.3589341	23.310741	22.333991	12.1213716	13.3571117	12.0082079	-0.859775068	4.147935	1.1302E-11	COX5B
YKL029C	339.461229	295.442058	334.64671	158.464761	185.826744	188.451391	-0.863964771	7.96874271	1.90234E-17	MAE1
YKR033C	0.460331	0.28778693	0.42368005	0.23651457	0.32578321	0.06456026	-0.864667649	-1.2400941	0.167219443	YKR033C
YOL085W-A	0.13152314	0.11511477	0.12105144	0	0	0.19368077	-0.879405329	-2.2052737	0.520228971	YOL085W-A
YOL104C	16.703439	12.9504117	14.526173	7.21369433	8.99161663	7.61811036	-0.890067136	3.5178428	9.93591E-08	NDJ1
YOR214C	0.98642356	0.80580339	1.1499887	0.41390049	0.71672306	0.4519218	-0.890473521	-0.188247	0.039986805	SPR2
YOL109W	77.4671305	99.4016041	70.0887847	53.6296783	41.8305643	37.2512684	-0.89536624	5.98797073	3.70353E-10	ZEO1
YGR121W-A	0.13152314	0.17267216	0.18157716	0.05912864	0	0.19368077	-0.89795059	-2.0128857	0.404556465	YGR121W-A
YLR452C	189.985178	203.465356	195.074398	103.356866	105.879544	106.588985	-0.898162639	7.23730539	1.82255E-27	SST2
YGR138C	84.7666648	72.9827644	79.1071171	42.5134936	43.720107	40.7375223	-0.89872547	5.92541458	7.41545E-23	TPQ2
YMR006C	270.345818	203.062455	258.868508	127.895253	133.766587	128.08755	-0.909598339	7.54789426	1.22376E-16	PLB2
YOR225W	7.95715007	10.014985	6.05257208	3.72510445	4.75643489	4.32553724	-0.910047537	2.65116434	4.89498E-05	YOR225W
YEL070W	3.81417111	2.35985279	2.9052346	1.41908741	1.10766292	2.259609	-0.916258327	1.27998389	0.002176788	DSF1
YFL065C	0.13152314	0.11511477	0.60525721	0.17738593	0.13031328	0.12912051	-0.92438102	-1.5536389	0.225547703	YFL065C
YPL187W	0.26304628	0.34534431	0.24210288	0.23651457	0.13031328	0.06456026	-0.925032392	-1.5538847	0.214894959	MF(ALPHA)1
YDR401W	0.26304628	0.46045908	0	0.35477185	0	0	-0.925339445	-1.6919382	0.289176857	YDR401W
YKR034W	0.52609257	0.17267216	0.18157716	0	0.13031328	0.32280129	-0.927001354	-1.552363	0.223730701	DAL80
YBR085W	18.2817167	18.5910354	18.4603448	9.04668223	9.38255649	10.5233219	-0.935120531	3.82691392	1.19483E-11	AAC3
YIL119C	41.4297896	44.5494161	41.9443245	18.0342358	22.7396681	25.6304221	-0.947866942	5.02384736	3.61487E-14	RPI1
YGR107W	0.92066199	0.97847555	1.21051442	0.47302914	0.78187971	0.32280129	-0.97576098	-0.1388546	0.015691906	YGR107W
YER148W-A	4.80059467	4.48947604	2.42102883	2.83817482	1.30313285	1.74312695	-0.981127971	1.61863866	0.002569442	YER148W-A
YJR022W	1.1179467	1.49649201	1.7552459	0.41390049	1.2379762	0.58104232	-0.981594524	0.29640901	0.009872736	LSM8
YMR107W	0.52609257	0.34534431	0.18157716	0.11825728	0.26062657	0.12912051	-1.015714006	-1.3879168	0.133730956	SPG4
YPR077C	0.32880785	0	0.48420577	0.23651457	0	0.12912051	-1.041576446	-1.6434326	0.20246835	YPR077C
YNL145W	0.59185414	0.69068862	1.08946297	0.47302914	0.26062657	0.38736154	-1.060138302	-0.4902384	0.023777977	MFA2
YLR154W-F	0.19728471	0	0.36315432	0.05912864	0.13031328	0.06456026	-1.064351387	-1.953558	0.28976283	YLR154W-F
YOR255W	0	0.34534431	0.06052572	0	0.06515664	0.12912051	-1.081307205	-2.138871	0.362579157	OSW1
YBL094C	0.19728471	0.51801647	0.36315432	0.11825728	0	0.38736154	-1.087990476	-1.350567	0.10261321	YBL094C
YDR545W	308.290244	272.994678	313.523234	136.29152	144.517433	137.836149	-1.095775303	7.7751553	9.62075E-32	YRF1-1
YLR467W	308.290244	272.994678	313.523234	136.29152	144.517433	137.836149	-1.095775317	7.7751553	9.89808E-32	YRF1-5
YOR396W	308.290244	272.994678	313.523234	136.29152	144.517433	137.836149	-1.095775323	7.7751553	1.00122E-31	YRF1-8
YBR157C	42.4162132	55.8306636	45.1521877	21.7593403	22.218415	22.1441682	-1.117870133	5.13343384	5.7122E-21	ICS2
YJR023C	1.05218513	1.66916417	0.72630865	0.82780099	0.32578321	0.38736154	-1.13791402	-0.0456847	0.007490436	YJR023C
YGR240C-A	0.06576157	0.11511477	0.12105144	0.05912864	0.06515664	0	-1.142094152	-2.3500021	0.462621239	YGR240C-A
YJL007C	0.06576157	0.05755739	0.18157716	0.05912864	0.06515664	0	-1.142934693	-2.3499047	0.462856353	YJL007C
YMR189W	637.821476	550.536389	604.228271	267.616234	262.450955	271.863243	-1.160388916	8.7567773	5.62982E-35	GCV2
YGL032C	24.5948275	18.1881337	19.5498078	11.884857	7.49301386	8.39283344	-1.161282613	3.92187214	7.25493E-10	AGA2
YGR234W	453.36027	582.65341	466.411204	226.994857	224.855572	218.471911	-1.164432763	8.50110893	3.89751E-27	YHB1
YAR071W	25.9758205	28.3757909	23.5445054	14.6639032	9.38255649	10.0714001	-1.187509986	4.23595282	2.31043E-12	PHO11
YKR040C	1.51251613	0.97847555	1.4526173	0.29564321	0.78187971	0.64560257	-1.193606316	0.08958215	0.002694977	YKR040C
YJL012C	665.507097	619.317464	629.709599	295.938853	265.578474	272.637966	-1.198437791	8.84007054	5.04856E-38	VT4
YHR049C-A	0.13152314	0.51801647	0.66578293	0.17738593	0	0.38736154	-1.207612459	-1.1726028	0.071816104	YHR049C-A
YEL020C-B	2.89350912	5.23772205	3.26838892	1.53734469	2.28048248	1.09752437	-1.216802937	1.52122352	0.000108691	YEL020C-B
YGL033W	1.18370828	1.26626247	0.66578293	0.41390049	0.4560965	0.4519218	-1.224668552	-0.2060782	0.003574595	HOP2
YNR073C	5.32668724	5.46795159	6.1130978	2.01037383	2.54110905	2.64697055	-1.234491454	2.05455854	5.88035E-09	YNR073C
YPL261C	0.13152314	0.23022954	0.12105144	0.11825728	0.06515664	0	-1.273861086	-2.0746087	0.241884346	YPL261C
YNL319W	0.13152314	0.17267216	0.18157716	0.11825728	0.06515664	0	-1.27467136	-2.0745118	0.241571563	YNL319W
YHR208W	803.146065	731.784595	761.897773	285.709598	311.64422	347.398744	-1.281685318	9.07791917	4.71989E-37	BAT1
YBR093C	92.3950071	72.176961	78.0781798	31.7520808	31.4055016	34.9916594	-1.305027643	5.83121052	3.38004E-34	PHO5
YDL086C-A	7.29953437	3.45344311	1.81577162	2.54253161	2.47595241	0	-1.317443315	1.60438746	0.08751682	YDL086C-A
YEL020W-A	4.60330996	6.79177145	5.44731487	1.95124519	2.73657898	2.00136798	-1.336716089	2.02635889	2.69758E-08	TIM9
YER072W	211.554973	186.255698	201.187496	89.2842494	74.864982	71.7910061	-1.343226796	7.12223517	5.71389E-41	VT1
YBL008W-A	0	0.17267216	0.18157716	0	0.13031328	0	-1.383828904	-2.2761089	0.301504412	YBL008W-A
YOL097W-A	0.26304628	0.11511477	0	0	0	0.12912051	-1.390683109	-2.2754408	0.301990427	YOL097W-A
YNR044W	188.078093	152.642185	181.032431	49.0176442	67.2416548	76.3102241	-1.438441473	6.89707617	7.92898E-26	AGA1
YHR212W-A	0.26304628	0.17267216	0.12105144	0.11825728	0	0.06456026	-1.439850998	-2.0128654	0.160149916	YHR212W-A
YML058W-A	0.85490042	0.28778693	0.12105144	0.17738593	0.06515664	0.19368077	-1.442764917	-1.3115351	0.038113913	HUC1
YGL009C	1199.42529	1060.78261	1112.76538	435.068548	419.934559	380.776397	-1.448499404	9.58549801	1.48261E-48	LEU1
YHL028W	159.537571	150.455005	160.635263	54.8122511	60.2698941	56.2965443	-1.457527937	6.74365169	7.01666E-66	WSC4

YFR034W-A	0.460331	0.80580339	0.48420577	0.23651457	0.13031328	0.25824103	-1.458682916	-0.9264811	0.010588902	YFR034W-A
YCL027W	37.3525723	36.8367265	36.3759582	13.0083012	14.0738347	12.2018886	-1.4924803	4.6516144	1.86636E-38	FUS1
YOR383C	96.077655	85.8756186	107.856834	33.7624546	34.793647	34.1523761	-1.496266121	6.03517043	1.171E-50	FIT3
YNL266W	0.92066199	0.17267216	0.24210288	0	0.19546993	0.25824103	-1.509479724	-1.2742024	0.031980036	YNL266W
YKL120W	109.493015	140.958036	115.967281	40.9170203	43.2640105	44.3528967	-1.512062737	6.36961243	9.8808E-48	OAC1
YDR281C	2.69622441	2.82031187	2.72365574	0.82780099	0.71672306	1.29120515	-1.535227616	0.98536544	1.47249E-07	PHM6
YBR040W	2.0386087	2.93542664	2.11840023	0.65041506	0.71672306	1.03296412	-1.565413407	0.78315677	1.08042E-06	FIG1
YDR114C	0.19728471	0.17267216	0.42368005	0	0	0.25824103	-1.571837364	-1.7397474	0.063349693	YDR114C
YMR321C	1.51251613	1.03603293	1.08946297	0.41390049	0.4560965	0.32280129	-1.5803959	-0.105921	8.35409E-05	YMR321C
YJL052W	425.411602	290.77991	343.907146	122.159774	106.075014	119.952958	-1.605883654	7.87556099	8.83477E-36	TDH1
YDL187C	0.78913885	0.46045908	0.36315432	0.11825728	0.13031328	0.25824103	-1.619807887	-1.0737846	0.006470497	YDL187C
YHR214W	22.4246957	21.814249	27.2365574	7.86410939	7.29754393	7.74723087	-1.639997453	3.99034934	8.96888E-28	YHR214W
YJR047C	16.4403927	11.7417066	14.7077502	4.78942	4.03971182	4.13185646	-1.720292457	3.2393236	1.12914E-19	ANB1
YHR216W	141.255854	113.963623	139.693364	39.7935761	41.2441546	36.8639069	-1.743272833	6.41991542	2.97548E-65	IMD2
YOR382W	32.8807854	28.6060204	43.9416733	7.50933754	10.3599061	13.2348527	-1.762594541	4.51765363	5.82465E-19	FIT2
Q0250	0	0.05755739	0.42368005	0.11825728	0	0	-1.782590202	-2.1388449	0.125816964	COX2
YIL177C	2.0386087	1.78427894	2.60260599	0	0	1.8076872	-1.822964707	0.58205365	0.043923087	YIL177C
YHR214W-A	19.925756	18.5910354	24.6339684	4.90767729	4.82159153	8.07003216	-1.827622578	3.77047489	2.96493E-19	YHR214W-A
YDR342C	1124.58862	881.203567	959.211623	305.162921	251.569796	257.530866	-1.864248088	9.29928435	2.58545E-56	HXT7
YPL019C	466.183776	557.615947	501.6977	138.301894	134.222683	129.766117	-1.922924016	8.32870614	8.02248E-84	VTC3
YBR072W	62.8680617	63.370681	51.2047598	18.9802941	14.1389914	13.557654	-1.923320008	5.23013837	1.08218E-44	HSP26
YOR186C-A	0.13152314	0.05755739	0.12105144	0.05912864	0	0	-1.935741761	-2.4278523	0.227217692	YOR186C-A
YDR461W	0.26304628	0	0.06052572	0	0.06515664	0	-1.938063907	-2.4272726	0.228300187	MFA1
YLR461W	0.19728471	0.05755739	0.3026286	0.05912864	0	0.06456026	-1.947295799	-2.0741395	0.074790244	PAU4
YIL021C-A	0.460331	0.4029017	0.66578293	0.29564321	0	0.06456026	-1.959032017	-1.1723427	0.002188711	YIL021C-A
YER084W-A	0.460331	0.4029017	0	0	0.19546993	0	-2.052541739	-1.739604	0.020585071	YER084W-A
YOR391C	0.65761571	0.34534431	0.18157716	0.11825728	0.13031328	0	-2.115464561	-1.4682107	0.005022179	HSP33
YHR214C-E	0.13152314	0.4029017	0.24210288	0	0.06515664	0.06456026	-2.451044117	-1.8435176	0.010413972	YHR214C-E
YML047C	0.85490042	0.57557385	0.72630865	0.17738593	0.06515664	0.06456026	-2.684528546	-0.8976877	8.96259E-06	PRM6
YML123C	1845.59849	1622.77292	1930.52839	260.639054	269.096933	295.363177	-2.710038934	10.0189191	8.5887E-139	PHO84
YJR150C	3.1565554	2.76275449	3.51049181	0.59128642	0.13031328	0.38736154	-3.036038463	0.92293344	2.16445E-18	DAN1
YHR215W	135.731882	139.979561	135.032883	16.7334057	15.3769676	15.1071002	-3.118950642	6.25799498	2.9646E-238	PHO12
YCR104W	0.13152314	0.34534431	0.24210288	0	0	0.06456026	-3.131788773	-1.9545109	0.004664682	PAU3
YHR136C	16.3088696	19.8572979	16.2814189	1.18257284	1.36828949	1.22664489	-3.790632387	3.25708303	1.16146E-69	SPL2
YMR175W	0.06576157	0.23022954	0.06052572	0	0	0	-4.065758896	-2.4282515	0.034326818	SIP18
YOR392W	0.19728471	0	0.18157716	0	0	0	-4.072120839	-2.4275588	0.034318637	YOR392W
YDL133C-A	0	0.23022954	0.18157716	0	0	0	-4.274311136	-2.350438	0.017833004	RPL41B
YDL247W	0.78913885	0	0	0	0	0	-5.07978489	-2.0114028	0.003494683	MPH2
YBR161W	45.507007	40.347727	41.0969644	0.11825728	0.06515664	0.06456026	-8.852897915	4.41851178	4.4896E-237	CSH1
YPL057C	89.3042132	70.3351246	88.9728096	0	0.19546993	0.12912051	-9.524243016	5.38098777	0	SUR1
YDR297W	263.703899	203.350242	252.997513	0	0.39093985	0.12912051	-10.41794237	6.91024838	0	SUR2
YMR272C	283.695417	218.545391	279.689356	0.17738593	0.26062657	0.06456026	-10.53800541	7.02891558	0	SCS7

SUPPORTING INFORMATION

SUPPLEMENTARY MATERIALS AND METHODS

Yeast strains - Disruption of genes was performed by replacing their ORFs with the *kanMX4* marker from a genome from a yeast knockout library, or pFA6a-*kanMX4*, the *hphNT1* marker from pFA6a-*hphNT1*, the *natMX4* marker from p4339 (pCRII-TOPO::*natMX4*), the *URA3* marker from pRS406, the *LEU2* marker from pRS405, the *HIS3* marker from pRS313, or the *MET15* marker from p3xFLAG-CMV-7.1-MET15 (information on this plasmid is given under “Plasmids”). Occasionally, *kanMX4* and *natMX4* were replaced with the hygromycin B-resistance gene (from the pFA6a-*hphNT1* vector) to create *hphMX4*. For tagging of the N-terminus of Rim101 with a yeast enhanced green fluorescent protein (yeGFP) tag, a yeGFP fusion cassette with the TEF promoter and *natNT2* marker from pYM-N21 was introduced immediately downstream of the initiator ATG of chromosomal *RIM101* as described previously (Janke *et al.*, 2004). For tagging of the C-terminus of Slt2 with six copies of the HA epitope (6xHA), a 6xHA fusion cassette with the *hphNT1* marker from pYM16 was introduced immediately upstream of the stop codon of chromosomal *SLT2* as described previously (Janke *et al.*, 2004). For tagging of the C-terminus of Pil1 with yeGFP, a yeGFP fusion cassette with the *hphNT1* marker from pYM25 was introduced immediately upstream of the stop codon of chromosomal *PIL1* as described previously (Janke *et al.*, 2004).

Plasmids - p3xFLAG-CMV-7.1-MET15 containing *MET15*, and its 5'- and 3'-untranslated regions (500 bp each) was constructed as described below. A DNA fragment was amplified by PCR using a 5' primer with a *Bam*HI site (5'-AAGGATCCAGATTGTACTGAGAGTGCACATTTAATGCTATAATAGACATTTAAATCCA-3'), a 3' primer with a *Not*I site (5'-AGAGCGGCCCGCCTGTGCGGTATTTACACCCGCCAAGTTCACCTATTCTGACT-

3'), and genomic DNA of the SEY6210.1 strain as a template. The fragment obtained was subcloned into p3xFLAG-CMV-7.1 (Sigma Aldrich, St. Louis, MO, USA). pRS416-6xSTRE-MEL1, a plasmid expressing α -galactosidase (Mel1) under the control of six tandem repeats of the stress response element (STRE; AGGGG), and an *LEU2* upstream sequence containing both its transcriptional and translational start sites but lacking the leucine-responsive region (Martinez-Arias *et al.*, 1984; Marchler *et al.*, 1993), was constructed as described in (Yamaguchi *et al.*, 2018). Briefly, the *MEL1* ORF was amplified by PCR using a 5' primer (5'-GGATATACCATTCTAATGTTTGCTTTCTACTTTCTCACC-3'), a 3' primer with a *NotI* site (5'-AGAGCGGCCGCGTGGAACACCAACGCCACTA-3'), and pT7Blue+MEL1 (provided by the National Bio-Resource Project (NBRP), Japan) as a template. The upstream sequence of *LEU2* was amplified by PCR using a 5' primer with a *EcoRI* site (5'-CAAGAATTCCCGACAATATTATTTAAGGACCTATTGTT-3'), a 3' primer (5'-AAAGCAAACATTAGAATGGTATATCCTTGAAATATATATATATAT-3'), and pRS405 (Sikorski and Hieter, 1989) as a template. These two DNA fragments were extended by PCR, and then subcloned into pRS416 (Sikorski and Hieter, 1989) (pRS416-*LEU2-MEL1*). A DNA fragment containing STRE was obtained by dimerization of a 5' primer (5'-GATAAGCTTGGTAAGGGGCCAAGGTAAGGGGCCAAGGTAAGGGGCCAAGGT AAGGGGCCAAGGTAAGGGGCCAAGGTAAGGGGCCAAGAATTCAAC-3') and a 3' primer (5'-GTTGAATTCTTGGCCCCTTACCTTGGCCCCTTACCTTGGCCCCTTACCTTGGC CCCTTACCTTGGCCCCTTACCTTGGCCCCTTACCAAGCTTATC-3'), both of which contain *HindIII* and *EcoRI* sites. The DNA fragment was digested with *HindIII* and *EcoRI*, and then subcloned into pRS416-*LEU2-MEL1*. pRS415-*NCW2p-MEL1*, pRS415-*SED1p-MEL1*, or pRS415-*CRH1p-MEL1*, a plasmid expressing *MEL1* under the

control of the potential promoter region of *NCW2*, *SEDI*, or *CRHI*, was constructed as follows. The 5'-untranslated region (1,000 bp) of each gene was amplified by PCR using a 5' primer with a *Bam*HI site (5'-AGAGGATCCGGATATGATTGCTGAGAATGCGT-3' (for *NCW2*), 5'-AGAGGATCCAGGATTTTAATCTGTTGGAGTTAAG-3' (for *SEDI*), or 5'-AGAGGATCCATGCAGATCTTCTTATTCTATATAAGAG-3' (for *CRHI*)), a 3' primer (5'-TAGAAAGCAAACATTTTATATATATGTTGGGTTTGTATATTTTCA-3' (for *NCW2*), 5'-TAGAAAGCAAACATCTTAATAGAGCGAACGTATTTTATTTT-3' (for *SEDI*), 5'-TAGAAAGCAAACATGGTTTTTTGCTGTATTGAATTATTATG-3' (for *CRHI*)), and yeast genomic DNA as a template. The *MEL1* ORF was amplified by PCR using a 5' primer (5'-AACCCAACATATATATAAAAATGTTTGCTTTCTACTTTCTCAC-3' (for *NCW2*), 5'-CGCTCTATTAAGATGTTTGCTTTCTACTTTCTCAC-3' (for *SEDI*), or 5'-AGCAAAAACCATGTTTGCTTTCTACTTTCTCAC-3' (for *CRHI*)), a 3' primer with a *Not*I site (5'-AGAGCGGCCGCGTGGAACACCAACGCCACTA-3'), and pT7Blue+*MEL1* as a template. These two DNA fragments were extended by PCR. The fragment obtained was digested with *Bam*HI and *Not*I, and then subcloned into pRS415.

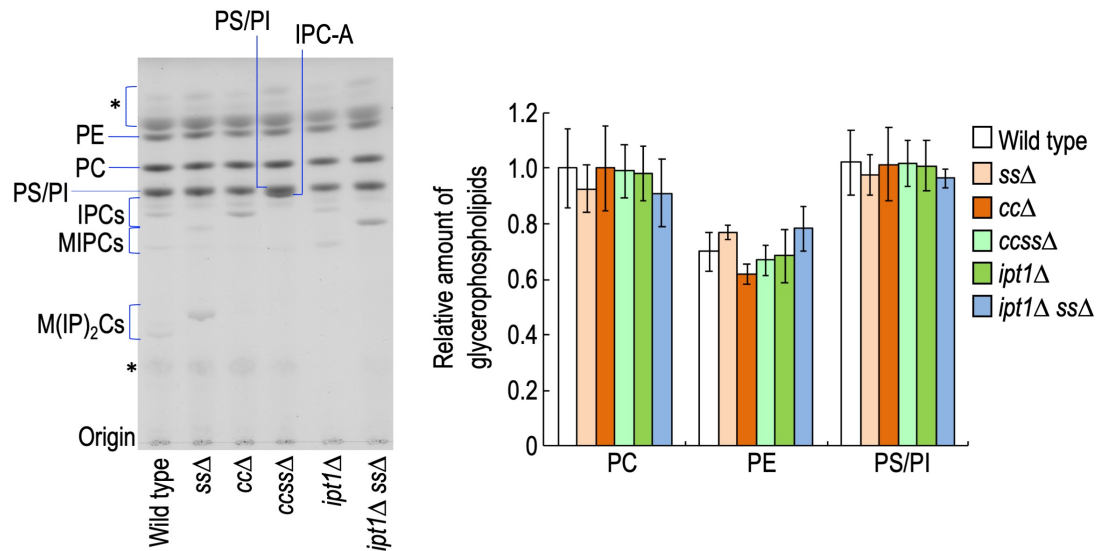


Figure S1. Glycerophospholipid analysis of wild-type (MTY174), *ssΔ*, *ccΔ*, *ccssΔ*, *ipt1Δ*, and *ipt1Δ ssΔ* cells.

Cells were cultured overnight in YPD medium at 30°C, diluted (0.3 OD₆₀₀ units/ml) in fresh YPD medium, and then incubated for 5 h at 30°C. Lipids were extracted from cells (1 OD₆₀₀ U) with ethanol/water/diethyl ether/pyridine/15 M ammonia (15:15:5:1:0.018, v/v), and then separated on Silica Gel 60 TLC plates with chloroform/methanol/4.2 M ammonia (9:7:2, v/v) as the solvent system. Lipids were visualized with a copper sulfate and orthophosphoric acid reagent. The amount of PC in wild-type cells was taken as 1. Data represent means ± SD for one experiment (triplicate) representative of three independent experiments. The asterisk indicates unidentified bands. The details are given under Materials and Methods.

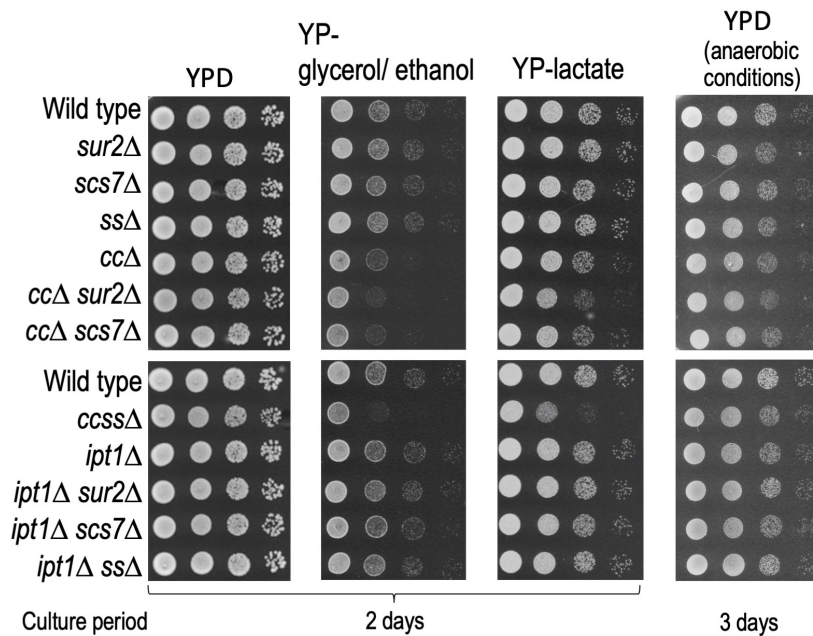


Figure S2. Growth of mutant cells of the complex sphingolipid disruption library on medium containing different carbon sources.

Cells cultured overnight in YPD medium at 30°C were spotted onto YPD, YP-glycerol/ethanol (1% yeast extract, 2% peptone, 3% glycerol, and 3% ethanol (pH 6.0)), or YP-lactate (1% yeast extract, 2% peptone, and 2% lactate (pH 6.0)) plates, and then incubated at 30°C for the indicated days. Anaerobic conditions (YPD plate) were obtained with an AnaeroPack Kenki system (Mitsubishi Gas Chemical, Tokyo, Japan). The details are given under Materials and Methods.

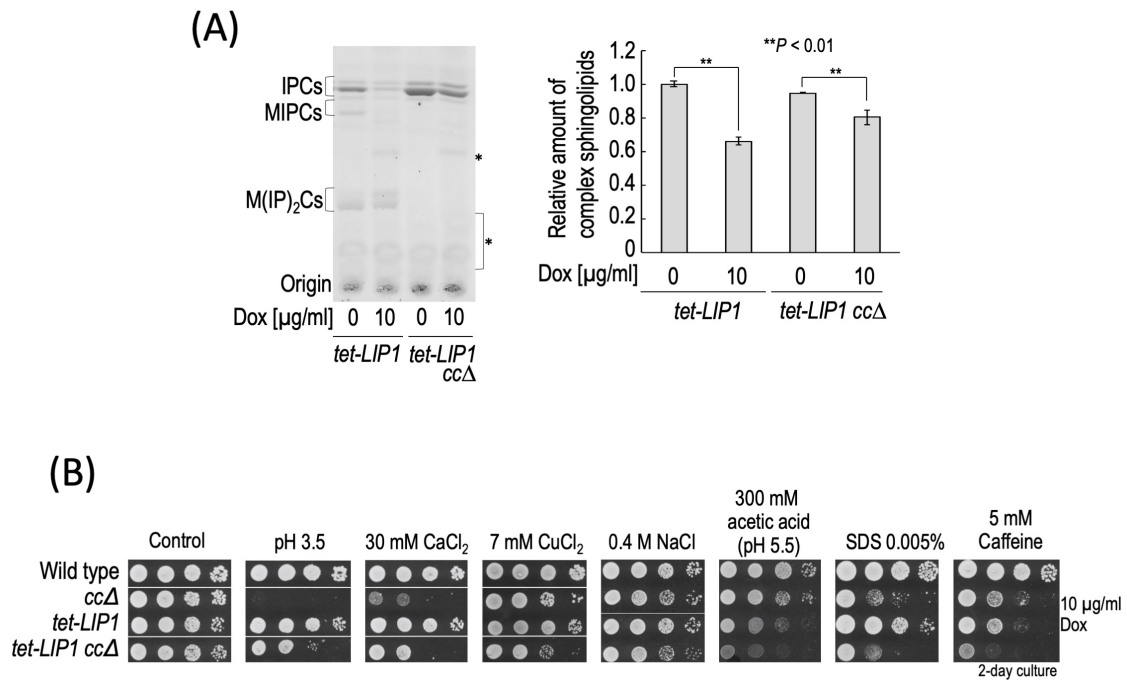


Figure S3. Effect of *LIP1* repression on stress sensitivities of *CSG1*- and *CSH1*-deleted cells.

(A) Effect of *LIP1* repression on complex sphingolipid levels. *tet-LIP1* cells (BY4741, *tetO7-LIP1::kanMX4*) (Toume and Tani, 2016) and *tet-LIP1 ccΔ* cells (BY4741, *tetO7-LIP1::kanMX4 csg1Δ::natMX4 csh1Δ::hphNT1*) (Otsu *et al.*, 2020) were cultured overnight in YPD medium with or without 10 µg/ml Dox at 30°C, diluted (0.3 OD₆₀₀ units/ml) in fresh YPD medium with or without 10 µg/ml Dox, and then incubated for 3 h at 30°C. TLC analysis were performed as described in Fig. 1D. The amount of complex sphingolipids (IPCs, MIPCs, and M(IP)₂Cs) in Dox-untreated *tet-LIP1* cells was taken as 1. Data represent means ± SD for one experiment (triplicate) representative of three independent experiments. The asterisk indicates unidentified bands. (B) Effect of *LIP1* repression on stress sensitivities. Cells cultured overnight in YPD medium with or without 10 µg/ml Dox were spotted onto YPD plates containing 30 mM CaCl₂, 7 mM CuCl₂, 0.4 M NaCl, 300 mM acetic acid (adjusted to pH 5.5 by the addition of 50 mM MES and MOPS), SDS 0.005%, 5 mM caffeine, or 10 µg/ml Dox, and then incubated for 2 days. YPD plates (pH 3.5) were prepared by the addition of 100 mM Gly-HCl. The details are given under Materials and Methods.

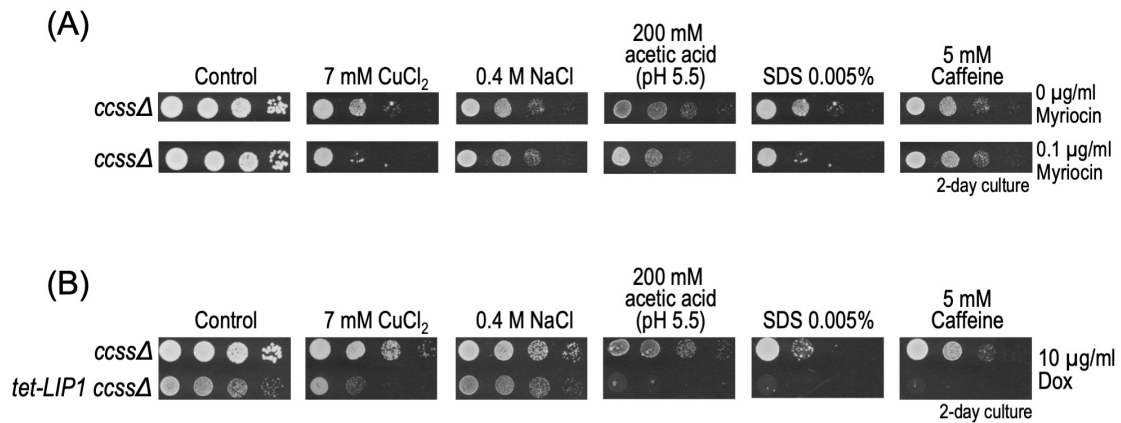


Figure S4. Effects of myriocin (A) or *LIP1* repression (B) on stress sensitivities of *ccssΔ* cells.

ccssΔ cells and *tet-LIP1 ccssΔ* cells (BY4741, *tetO₇-LIP1::kanMX4 csg1Δ::natMX4 csh1Δ::hphNT1 sur2Δ::URA3 scs7Δ::LEU2*) were cultured overnight in YPD medium with or without 10 µg/ml Dox, and then spotted onto YPD plates (the details of the composition of the medium are given under Fig. S3). Plates were incubated at 30°C for 2 days. The details are given under Materials and Methods.

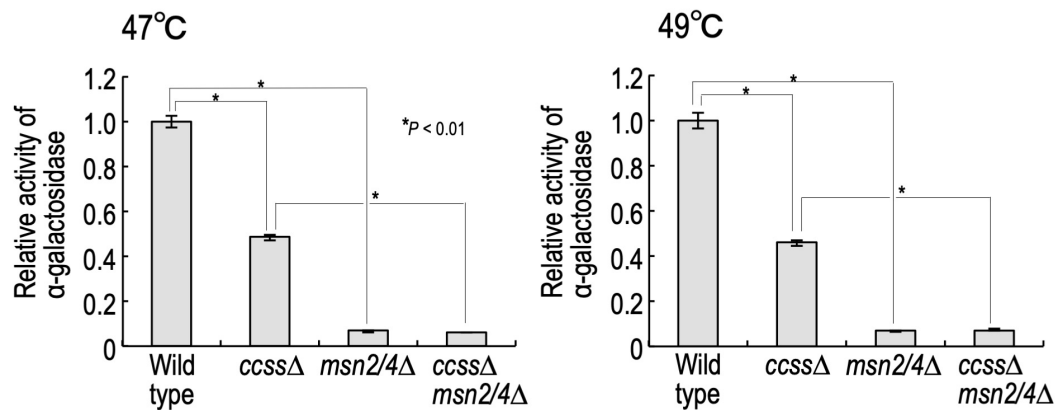


Figure S5. STRE-mediated transcriptional activity after heat stress.

Cells harboring pRS416-6xSTRE-MEL1 were cultured overnight in SC medium lacking uracil (SC-Ura), diluted (0.3 OD₆₀₀ units/ml) in fresh SC-Ura medium, and then incubated for 5 h at 30°C. Cells were incubated at 47 or 49°C for 1 h, harvested, and then α -galactosidase activity was measured. Data represent means \pm SD for one experiment (triplicate) representative of three independent experiments. The details are given under Materials and Methods.

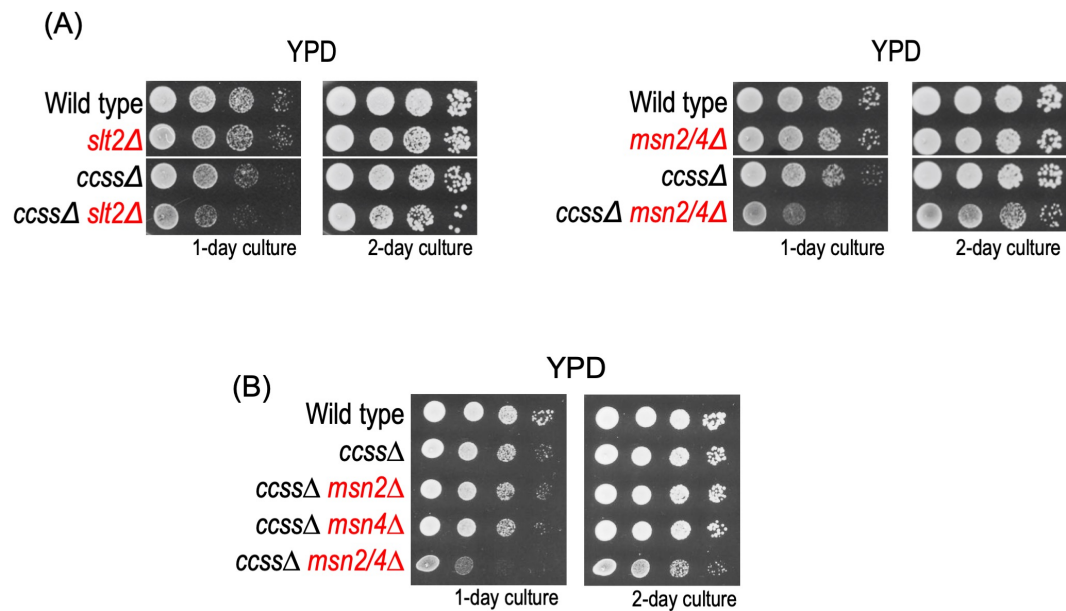


Figure S6. Effect of deletion of *SLT2*, *MSN2*, or *MSN4* on the growth of *ccssΔ* cells.

(A) Wild-type, *ccssΔ*, *slt2Δ*, *ccssΔ slt2Δ*, *msn2/4Δ*, and *ccssΔ msn2/4Δ* cells cultured overnight in YPD medium at 30°C were spotted onto YPD plates, and then incubated at 30°C for the indicated numbers of days. (B) Wild-type, *ccssΔ*, *ccssΔ msn2Δ*, *ccssΔ msn4Δ*, and *ccssΔ msn2/4Δ* cells cultured overnight in YPD medium at 30°C were spotted onto YPD plates and then incubated at 30°C for the indicated numbers of days. The details are given under Materials and Methods.

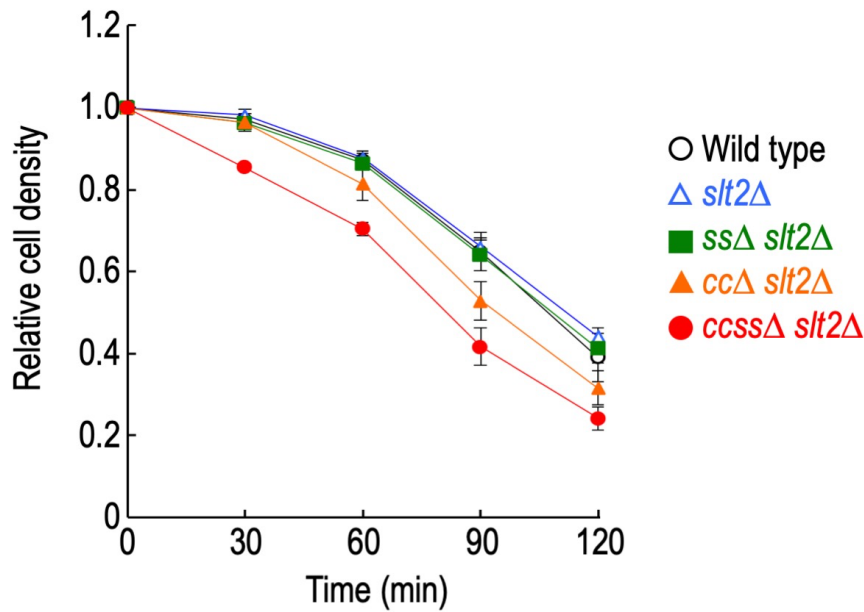


Figure S7. Zymolyase sensitivity of wild-type, *slt2*Δ, *ss*Δ *slt2*Δ, *cc*Δ *slt2*Δ, and *ccss*Δ *slt2*Δ cells.

Cells were cultured overnight in YPD medium at 30°C, diluted (0.3 OD₆₀₀ units/ml) in fresh YPD medium, and then incubated for 5 h at 30°C. They were then washed with 20 mM HEPES buffer (pH 7.5), resuspended (1.5 OD₆₀₀ units/ml) in the same buffer containing 15 μg/ml zymolyase-20T (Nacalai Tesque), and incubated at 30°C. At the indicated times, cell density (OD₆₀₀) in the cell suspensions was measured. Data represent means ± SD for one experiment (triplicate) representative of three independent experiments.

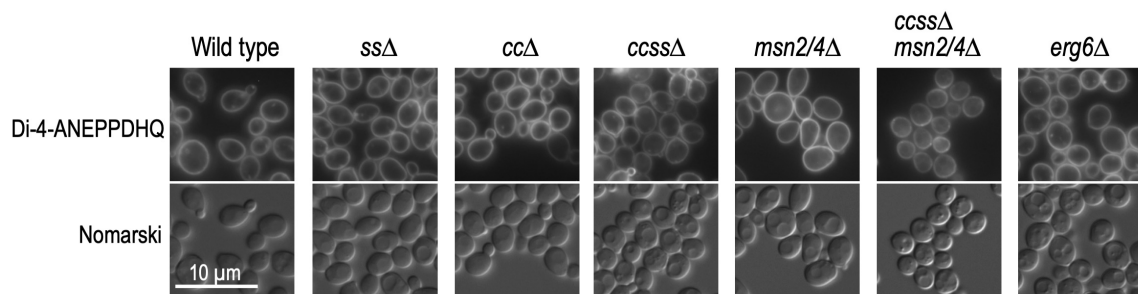


Figure S8. Fluorescent image of di-4-ANEPPDHQ-stained cells.

Cells were cultured overnight in YPD medium at 30°C, diluted (0.3 OD₆₀₀ units/ml) in fresh YPD medium, and then incubated for 5 h at 30°C. Cells (1 OD₆₀₀ units) were resuspended in 100 μ l of fresh YPD medium containing 5 μ M di-4-ANEPPDHQ, and then incubated for 1 min at 30°C. Cells were washed with water, and green fluorescence was observed under fluorescence microscope.

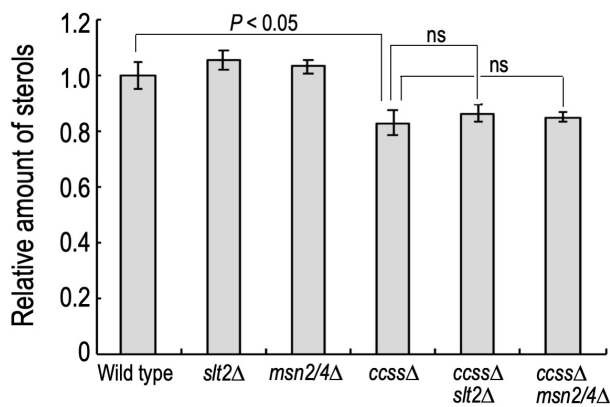
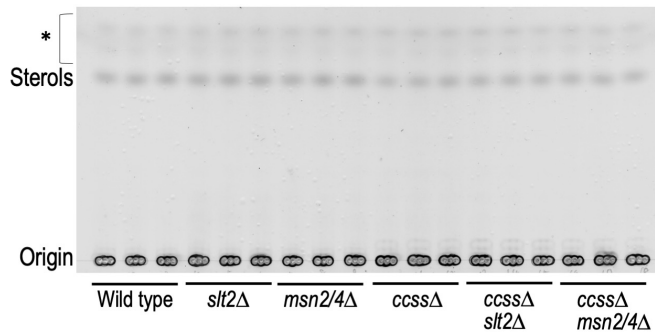


Figure S9. Effect of deletion of *SLT2* or *MSN2/4* on the sterol levels.

Cells were cultured overnight in YPD medium, diluted (0.3 OD₆₀₀ units/ml) in fresh YPD medium, and then incubated for 5 h at 30°C. Lipids were extracted, separated by TLC, and then visualized with a copper sulfate and orthophosphoric acid reagent. The intensity of band of sterols in wild-type cells was taken as 1. Data represent means ± SD for one experiment (triplicate) representative of three independent experiments. ns: no significant difference. The asterisk indicates unidentified bands. The details are given under Materials and Methods.

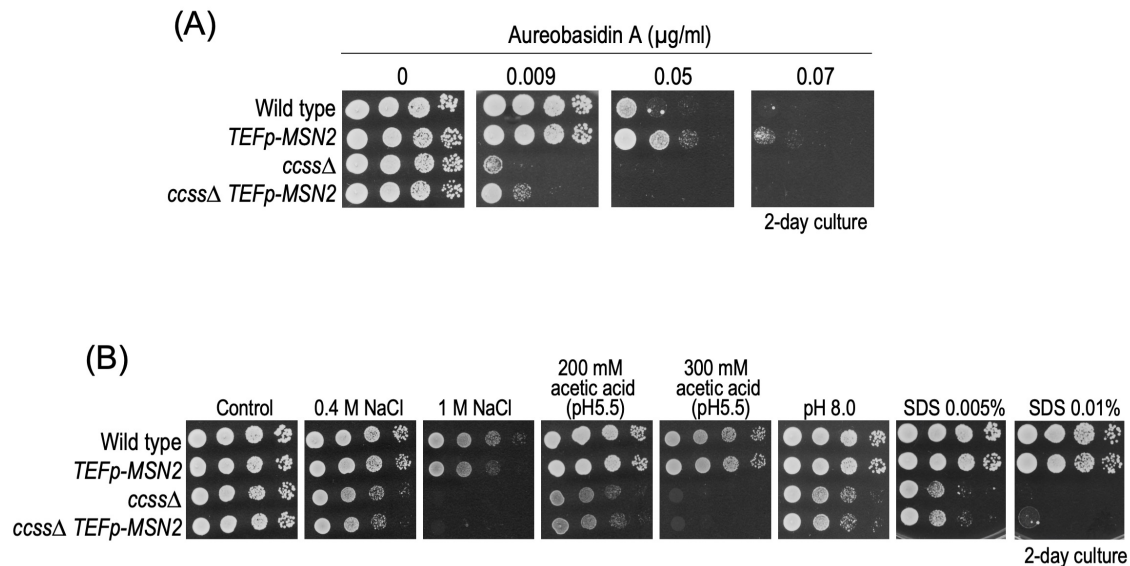


Figure S10. Effects of overexpression of *MSN2* (*TEFp-MSN2*).

(A) Cells cultured overnight in YPD medium at 30°C were spotted onto agar plates containing the indicated concentrations of aureobasidin A, an inhibitor of IPC synthase, and then incubated at 30°C for 2 days. *TEFp-MSN2* cells (BY4741, *TEFp-MSN2::natNT2*) are a mutant strain that overexpresses chromosomal *MSN2* under the control of a constitutive and strong TEF promoter (Yamaguchi *et al.*, 2018). (B) Effect of the overexpression on stress sensitivities. Cells cultured overnight in YPD medium were spotted onto YPD plates (the details of the composition of the medium are given in Fig. 2). Plates were incubated at 30°C for 2 days. The overexpression of *MSN2* hardly affected the increased stress sensitivities due to *ccssΔ* cells (*ccssΔ* versus *ccssΔ TEFp-MSN2* cells (BY4741, *csg1Δ::URA3 csh1Δ::LEU2 sur2Δ::kanMX4 scs7Δ::hphNT1 TEFp-MSN2::natNT2*)); however, it should be noted that the hypersensitivity to SDS was very slightly suppressed by *TEFp-MSN2*.

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