

	probeid	CsA10	MF045	MFandCsA	gene	essential_gene
YNL298W	YNL298W::chr	0.376	0.56	4.093	CLA4	no
YBL061C	YBL061C::chr2	-0.276	0.647	3.688	SKT5	no
YAL023C	YAL023C::chr1	0.059	0.098	3.586	PMT2	no
YMR015C	YMR015C::chr	-0.326	0.455	3.507	ERG5	no
YJL099W	YJL099W::chr	0.041	0.728	3.46	CHS6	no
YLR332W	YLR332W::chr	-0.319	0.079	3.316	MID2	no
YDL066W	YDL066W::chr	0.557	0.366	3.284	IDP1	no
YDR351W	YDR351W::chr	-0.21	0.288	3.117	SBE2	no
YCR003W	YCR003W::chr	-0.372	0.649	3.108	MRPL32	no
YCR028C	YCR028C::chr	-0.212	-0.519	3.065	FEN2	no
YBR298C	YBR298C::chr	0.438	1.425	3.055	MAL31	no
YBL062W	YBL062W::chr	0.32	0.434	3.018	YBL062W	no
YOR132W	YOR132W::chr	0.001	-0.085	2.951	VPS17	no
YBL083C	YBL083C::chr2	-0.107	0.262	2.943	YBL083C	no
YCR061W	YCR061W::chr	-0.207	0.731	2.916	YCR061W	no
YJL095W	YJL095W::chr	-0.368	0.586	2.909	BCK1	no
YBL047C	YBL047C::chr2	-0.22	1.535	2.889	EDE1	no
YCR050C	YCR050C::chr	0.355	-0.008	2.886	YCR050C	no
YGL027C	YGL027C::chr	0.469	-0.111	2.884	CWH41	no
YML016C	YML016C::chr	0.856	-0.098	2.878	PPZ1	no
YCL005W	YCL005W::chr	0.481	0.772	2.866	LDB16	no
YDR276C	YDR276C::chr	-0.185	1.109	2.855	PMP3	no
YJL124C	YJL124C::chr1	-0.549	-0.04	2.796	LSM1	no
YGR228W	YGR228W::chr	0.543	0.829	2.778	YGR228W	no
YCR036W	YCR036W::chr	0.776	-0.18	2.764	RBK1	no
YML115C	YML115C::chr	0.552	1.159	2.754	VAN1	no
YBR023C	YBR023C::chr	-0.269	0.68	2.742	CHS3	no
YDR388W	YDR388W::chr	-0.151	1.991	2.734	RVS167	no
YKL114C	YKL114C::chr1	0.324	0.927	2.722	APN1	no
YLL043W	YLL043W::chr	-0.292	-0.102	2.716	FPS1	no
YBL006C	YBL006C::chr2	0.134	0.396	2.705	LDB7	no
YKL048C	YKL048C::chr1	-0.351	-0.152	2.692	ELM1	no
YBL022C	YBL022C::chr2	-0.098	-0.473	2.639	PIM1	no
YOR106W	YOR106W::chr	0.54	0.356	2.629	VAM3	no
YOL003C	YOL003C::chr	0.362	0.801	2.624	PFA4	no
YNR040W	YNR040W::chr	0.761	0.583	2.623	YNR040W	no
YGR056W	YGR056W::chr	0.353	0.868	2.567	RSC1	no
YJL183W	YJL183W::chr	-0.189	0.616	2.514	MNN11	no
YOR198C	YOR198C::chr	-0.534	0.065	2.504	BFR1	no
YDR433W	YDR433W::chr	-0.061	0.267	2.503	YDR433W	no
YKL135C	YKL135C::chr1	0.009	0.583	2.503	APL2	no
YPL089C	YPL089C::chr1	-0.682	-0.267	2.494	RLM1	no
YMR031W-A	YMR031W-A::	0.148	0.591	2.485	YMR031W-A	no

YHR129C	YHR129C::chr1	-0.215	-0.423	2.477 ARP1	no
YPL032C	YPL032C::chr1	-0.411	0.189	2.469 SVL3	no
YNL271C	YNL271C::chr1	0.288	0.975	2.459 BNI1	no
YLR039C	YLR039C::chr1	1.017	-1.012	2.435 RIC1	no
YLR342W	YLR342W::chr1	2.489	-0.328	2.432 FKS1	no
YJL080C	YJL080C::chr1	-0.202	0.415	2.432 SCP160	no
YNL315C	YNL315C::chr1	0.794	2.45	2.432 ATP11	no
YNL283C	YNL283C::chr1	-0.152	0.454	2.427 WSC2	no
YMR242C	YMR242C::chr1	0.799	0.742	2.415 RPL20A	no
YLR370C	YLR370C::chr1	-0.401	0.559	2.38 ARC18	no
YCL001W	YCL001W-A::chr1	-0.733	0.193	2.376 YCL001W-A	no
YDR162C	YDR162C::chr1	0.74	0.489	2.353 NBP2	no
YLR268W	YLR268W::chr1	1.043	0.085	2.333 SEC22	no
YEL042W	YEL042W::chr1	-0.099	0.309	2.288 GDA1	no
YDR293C	YDR293C::chr1	0.192	0.683	2.28 SSD1	no
YDR253C	YDR253C::chr1	0.123	0.755	2.245 MET32	no
YCR009C	YCR009C::chr1	-0.731	0.992	2.228 RVS161	no
YKL212W	YKL212W::chr1	0.825	-0.799	2.226 SAC1	no
YDL203C	YDL203C::chr1	-0.061	0.319	2.222 ACK1	no
YCR068W	YCR068W::chr1	-0.252	0.498	2.192 ATG15	no
YBL046W	YBL046W::chr1	0.425	0.354	2.181 PSY4	no
YCR087C-A	YCR087C-A::chr1	-0.474	0.216	2.179 YCR087C-A	no
YGR229C	YGR229C::chr1	0.393	0.363	2.155 SMI1	no
YAL016W	YAL016W::chr1	0.709	0.863	2.153 TPD3	no
YBR281C	YBR281C::chr1	-0.228	0.249	2.147 YBR281C	no
YHR142W	YHR142W::chr1	-0.458	0.462	2.141 CHS7	no
YDR448W	YDR448W::chr1	0.662	1.235	2.14 ADA2	no
YDR432W	YDR432W::chr1	0.182	0.544	2.133 NPL3	no
YCR079W	YCR079W::chr1	0.187	0.35	2.133 AUP1	no
YHR060W	YHR060W::chr1	2.074	-1.044	2.133 VMA22	no
YMR152W	YMR152W::chr1	-0.249	0.622	2.128 YIM1	no
YML008C	YML008C::chr1	0.417	0.849	2.085 ERG6	no
YJR054W	YJR054W::chr1	0.314	0.73	2.084 YJR054W	no
YLR319C	YLR319C::chr1	0.479	0.414	2.066 BUD6	no
YDR335W	YDR335W::chr1	0.039	0.59	2.062 MSN5	no
YJR118C	YJR118C::chr1	1.15	1.098	2.059 ILM1	no
YLR293C	YLR293C::chr1	0.687	0.171	2.051 GSP1	no
YCR045C	YCR045C::chr1	0.04	0.569	2.051 YCR045C	no
YGL012W	YGL012W::chr1	0.374	0.19	2.021 ERG4	no
YDR108W	YDR108W::chr1	0.422	-0.129	2.002 GSG1	no

feature_type	GO_process	GO_function	GO_component	Cross_Del_Co	Cross_Dels
ORF::Verified	protein amino acid	protein serine	actin cap	0	
ORF::Verified	response to osmotic stress	enzyme activation	bud neck*	1	YBL062W Dubious antisense
ORF::Verified	protein amino acid	dolichyl-phosphate	endoplasmic r	0	
ORF::Verified	ergosterol biosynthesis	C-22 sterol de	endoplasmic r	0	
ORF::Verified	Golgi transport	molecular function	clathrin-coate	0	
ORF::Verified	cell wall organization	transmembrane	integral to pla	1	YLR331C Dubious antisense
ORF::Verified	glutamate biosynthesis	isocitrate dehydrogenase	mitochondrion	0	
ORF::Verified	cell wall organization	molecular function	Golgi apparatus	0	
ORF::Verified	translation	structural component	mitochondrial	0	
ORF::Verified	endocytosis*	pantothenate	plasma membrane	0	
ORF::Verified	alpha-glucosidase	alpha-glucosidase	membrane fraction	0	
ORF::Dubious				1	YBL061C Verified antisense
ORF::Verified	retrograde transport	molecular function	endosome*	0	
ORF::Dubious				1	YBL082C Verified same sense
ORF::Uncharacterized	regulation of cell growth	molecular function	cytoplasm	0	
ORF::Verified	protein amino acid	MAP kinase kinase	intracellular	0	
ORF::Verified	endocytosis	ubiquitin binding	bud neck*	0	
ORF::Dubious				1	YCR048W Verified antisense
ORF::Verified	cell wall organization	mannosyl-oligosaccharide	endoplasmic r	0	
ORF::Verified	sodium ion homeostasis	protein serine	cytoplasm*	0	
ORF::Verified	biological process	molecular function	mitochondrion	0	
ORF::Verified	cation transport	molecular function	plasma membrane	0	
ORF::Verified	mRNA catabolism	RNA binding*	cytoplasmic r	0	
ORF::Dubious				1	YGR229C Verified antisense
ORF::Verified	D-ribose metabolism	ATP binding*	cytoplasm*	0	
ORF::Verified	protein amino acid	mannosyltransferase	membrane*	0	
ORF::Verified	cytokinesis*	chitin synthase	cytoplasm*	0	
ORF::Verified	endocytosis*	cytoskeletal protein	actin cortical junction	0	
ORF::Verified	telomere maintenance	DNA-(apurinic nucleoside)		0	
ORF::Verified	transport*	transporter activity	cytoplasm*	0	
ORF::Verified	telomere maintenance	molecular function	RSC complex	1	YBL006W-A Dubious antisense
ORF::Verified	protein amino acid	protein serine	contractile ring	0	
ORF::Verified	proteolysis*	ATP-dependent	mitochondrial	0	
ORF::Verified	vesicle fusion	t-SNARE activation	vacuolar membrane	0	
ORF::Verified	protein amino acid	protein-cysteine	cellular component	0	
ORF::Uncharacterized	biological process	molecular function	mitochondrion	0	
ORF::Verified	chromatin reorganization	molecular function	RSC complex	0	
ORF::Verified	protein amino acid	alpha-1,6-mannosyltransferase		0	
ORF::Verified	meiosis*	RNA binding	nuclear envelope	0	
ORF::Dubious				1	YDR432W Verified same sense
ORF::Verified	vesicle-mediated transport	clathrin binding	AP-1 adaptor	1	YKL136W Dubious antisense
ORF::Verified	cell wall organization	DNA binding*	nucleus	0	
ORF::Dubious				1	YMR031C Uncharacterized

ORF::Verifiec establishment structural con dynactin com	0
ORF::Verifiec endocytosis molecular fun cytoplasm*	0
ORF::Verifiec pseudohyphal cytoskeletal r bud neck*	0
ORF::Verifiec intracellular p guanyl-nucleo nucleus*	0
ORF::Verifiec cell wall orgar 1,3-beta-glucæ actin cortical p	0
ORF::Verifiec chromatin sile RNA binding* endoplasmic r	0
ORF::Verifiec protein compl unfolded prot mitochondrial	0
ORF::Verifiec cell wall orgar transmembra cytoplasm*	0
ORF::Verifiec translation structural con cytosolic large	0
ORF::Verifiec actin filament structural con Arp2/3 protei	0
ORF::Unchar biological pro molecular fun cellular comp	0
ORF::Verifiec response to h molecular fun cytoplasm*	0
ORF::Verifiec ER to Golgi ve v-SNARE activ endoplasmic r	0
ORF::Verifiec protein aminc guanosine-dip Golgi apparat	0
ORF::Verifiec cell wall orgar RNA binding cytoplasm	0
ORF::Verifiec sulfur amino æ DNA binding* nucleus	0
ORF::Verifiec endocytosis* cytoskeletal p actin cortical p	0
ORF::Verifiec exocytosis* inositol or phc mitochondrioi	0
ORF::Unchar biological pro molecular fun mitochondrioi	0
ORF::Verifiec autophagy* lipase activity integral to me	0
ORF::Unchar biological pro molecular fun nucleus	0
ORF::Unchar biological pro molecular fun nucleolus	1 YCR087W Dubious antisense
ORF::Verifiec telomere mai molecular fun nucleus*	1 YGR228W Dubious antisense
ORF::Verifiec protein biosyr protein phosp cytoplasm*	1 YAL016C-A Dubious antisens
ORF::Unchar biological pro molecular fun cytoplasm*	0
ORF::Verifiec ER to Golgi ve molecular fun endoplasmic r	0
ORF::Verifiec histone acetyl transcription (SAGA comple	0
ORF::Verifiec pseudohyphal mRNA binding cytoplasm*	1 YDR433W Dubious samesen:
ORF::Unchar biological pro phosphoprote mitochondrioi	0
ORF::Verifiec protein compl unfolded prot endoplasmic r	0
ORF::Verifiec response to D molecular fun cytoplasm*	0
ORF::Verifiec ergosterol bio sterol 24-C-m mitochondrioi	0
ORF::Unchar biological pro molecular fun vacuole (sens	0
ORF::Verifiec actin filament cytoskeletal r actin cap*	0
ORF::Verifiec protein expor protein bindin nucleus	0
ORF::Verifiec mitochondrial molecular fun endoplasmic r	0
ORF::Verifiec rRNA processi GTPase activit cytoplasm*	0
ORF::Unchar biological pro serine-type pe cellular comp	1 YCR045W-A Dubious antisen
ORF::Verifiec ergosterol bio delta24(24-1) endoplasmic r	0
ORF::Verifiec ER to Golgi ve molecular fun TRAPP comple	0

373 nt 9-381 of 381 bases

371 nt 1-371 of 378 bases

373 nt 1719-2091 of 2091 bases

388 nt 990-1377 of 1377 bases

298 nt 1536-1833 of 1833 bases

328 nt 1191-1518 of 1518 bases

se 150 nt 1-150 of 150 bases

ie 428 nt 818-1245 of 1245 bases

355 nt 45-399 of 399 bases

ntisense 35 nt 1-35 of 2532 bases

462 nt 31-492 of 516 bases  
328 nt 18-345 of 345 bases  
191 nt 1-191 of 315 bases

428 nt 1-428 of 441 bases

351 nt 1-351 of 351 bases