

Table 1. List of genes in Hog1 dependent, Hog1 independent and total osmoreponsive genes.

Hog1 dependent genes

Systematic Name	Standard Name	Name
YBL064C	PRX1	PeroxiRedoXin
YBR116C		
YBR117C	TKL2	TransKetoLase
YBR126C	TPS1	Trehalose-6-Phosphate Synthase
YBR230C	OM14	Outer Membrane Protein of 14 kDa
YCR010C	ADY2	Accumulation of DYads
YEL011W	GLC3	GLyCogen
YER054C	GIP2	Glc7-Interacting Protein
YER062C	HOR2	HyperOsmolarity-Responsive
YER067W	RGI1	Respiratory Growth Induced
YER150W	SPI1	Stationary Phase Induced
YHR022C		
YHR033W		
YHR087W	RTC3	Restriction of Telomere Capping
YHR094C	HXT1	HeXose Transporter
YHR096C	HXT5	HeXose Transporter
YHR097C		
YHR104W	GRE3	Genes de Respuesta a Estres (stress responsive genes)
YHR139C	SPS100	SPorulation Specific
YIL155C	GUT2	Glycerol UTilization
YKL035W	UGP1	UDP-glucose pyrophosphorylase
YKL091C		
YKL093W	MBR1	Mitochondrial Biogenesis Regulation
YKL096W	CWP1	Cell Wall Protein
YKL151C		
YKL163W	PIR3	Protein containing Internal Repeats
YKR011C		
YFL014W	HSP12	Heat Shock Protein
YFR053C	HXK1	HXK1
YDL022W	GPD1	Glycerol-3-Phosphate Dehydrogenase
YDL024C	DIA3	Digs Into Agar
YDL110C	TMA17	Translation Machinery Associated
YDL204W	RTN2	ReTiculoN-like
YDL214C	PRR2	Pheromone Response Regulator
YDL222C	FMP45	Found in Mitochondrial Proteome
YDL223C	HBT1	HuB1 Target
YDR070C	FMP16	Found in Mitochondrial Proteome
YDR074W	TPS2	Trehalose-6-phosphate PhoSphatase
YDR223W	CRF1	Co-Repressor with FHL1
YDR358W	GGA1	Golgi-localized, Gamma-adaptin ear homology, Arf-binding protein
YDR516C	EMI2	Early Meiotic Induction
YDR536W	STL1	Sugar Transporter-Like protein
YGL157W	ARI1	Aldehyde Reductase Intermediate, subclass of SDR
YGR043C	NQM1	Non-Quiescent Mutant
YGR052W	FMP48	Found in Mitochondrial Proteome
YGR066C		
YGR067C		
YGR070W	ROM1	RhO1 Multicopy suppressor
YGR086C	PIL1	Phosphorylation Inhibited by Long chain bases
YGR088W	CTT1	CaTalase T
YGR144W	THI4	THIamine metabolism
YGR161C	RTS3	
YGR194C	XKS1	XyluloKinaSe
YGR236C	SPG1	Stationary Phase Gene
YGR243W	FMP43	Found in Mitochondrial Proteome
YGR248W	SOL4	Suppressor Of Los1-1
YJL057C	IKS1	
YJL107C		

YJL108C	PRM10	Pheromone-Regulated Membrane protein
YJR036C	HUL4	Hect Ubiquitin Ligase
YLL026W	HSP104	Heat Shock Protein
YLR149C		
YLR177W		
YLR251W	SYM1	Stress-inducible Yeast Mpv17
YLR270W	DCS1	DeCapping Scavenger
YLR312C		
YLR327C	TMA10	Translation Machinery Associated
YML100W	TSL1	Trehalose Synthase Long chain
YML128C	MSC1	Meiotic Sister-Chromatid recombination
YML131W		
YMR081C	ISF1	Increasing Suppression Factor
YMR105C	PGM2	PhosphoGlucoMutase
YMR169C	ALD3	ALdehyde Dehydrogenase
YMR173W	DDR48	DNA Damage Responsive
YMR196W		
YMR250W	GAD1	Glutamate Decarboxylase
YMR291W	TDA1	Topoisomerase I Damage Affected
YNL036W	NCE103	NonClassical Export
YNL194C		
YNL195C		
YNL274C	GOR1	GlyOxylate Reductase
YNR002C	ATO2	Ammonia (Ammonium) Transport Outward
YOL048C	RRT8	Regulator of rDNA Transcription
YOL084W	PHM7	PHosphate Metabolism
YOL151W	GRE2	Genes de Respuesta a Estres (stress responsive genes)
YOR019W		
YOR028C	CIN5	Chromosome INstability
YOR052C		
YOR134W	BAG7	
YOR161C	PNS1	pH Nine Sensitive
YOR173W	DCS2	DeCapping Scavenger
YOR178C	GAC1	Glycogen ACcumulation
YOR348C	PUT4	Proline UTilization
YOR374W	ALD4	ALdehyde Dehydrogenase
YPL061W	ALD6	ALdehyde Dehydrogenase
YPL230W	USV1	Up in StarVation
YPR149W	NCE102	NonClassical Export
YPR160W	GPH1	Glycogen PHosphorylase
YDR034W-B		
YER053C-A		

Hog1 independent genes

Systematic Name	Standard Name	Name
YAL028W	FRT2	Functionally Related to TCP1
YAL061W	BDH2	
YBR066C	NRG2	Negative Regulator of Glucose-controlled genes
YBR072W	HSP26	Heat Shock Protein
YBR128C	ATG14	AuTophagy related
YBR165W	UBS1	UBiquitin-conjugating enzyme Suppressor
YBR169C	SSE2	
YBR183W	YPC1	Yeast Phyto-Ceramidase
YBR214W	SDS24	homolog of S. pombe SDS23
YBR284W		
YCL040W	GLK1	GLucoKinase
YCL042W		
YEL039C	CYC7	CYtochrome C
YER037W	PHM8	PHosphate Metabolism
YER079W		
YER103W	SSA4	Stress-Seventy subfamily A
YER175C	TMT1	Trans-aconitate MethylTransferase
YHL021C	AIM17	Altered Inheritance rate of Mitochondria
YHL024W	RIM4	Regulator of IME2
YHR137W	ARO9	AROMATIC amino acid requiring
YIL055C		
YIL056W	VHR1	VHt1 Regulator
YIL077C		
YIL107C	PFK26	6-PhosphoFructo-2-Kinase
YIL113W	SDP1	Stress-inducible Dual specificity Phosphatase
YIL136W	OM45	Outer Membrane
YIR014W		
YIR017C	MET28	METHionine requiring
YKL023W		
YKL142W	MRP8	Mitochondrial Ribosomal Protein
YFL016C	MDJ1	Mitochondrial DnaJ
YFR015C	GSY1	Glycogen SYNthase
YFR017C	IGD1	Inhibitor of Glycogen Debranching
YDL010W	GRX6	GlutaRedoXin
YDL020C	RPN4	Regulatory Particle Non-ATPase
YDL124W		
YDR001C	NTH1	Neutral TreHalase
YDR171W	HSP42	Heat Shock Protein
YDR185C	UPS3	UnProceSsed
YDR273W	DON1	DONut
YDR277C	MTH1	MSN Three Homolog
YDR380W	ARO10	AROMATIC amino acid requiring
YDR406W	PDR15	Pleiotropic Drug Resistance
YDR512C	EMI1	Early Meiotic Induction
YDR523C	SPS1	SPorulation Specific
YDR540C	IRC4	Increased Recombination Centers
YGL010W		
YGL036W		
YGL146C	RRT6	Regulator of rDNA Transcription
YGL158W	RCK1	Radiation sensitivity Complementing Kinase
YGL166W	CUP2	
YGR008C	STF2	STabilizing Factor
YGR131W	FHN1	Functional Homologue of Nce102
YGR142W	BTN2	BaTteN disease
YJL144W		
YJL153C	INO1	INOsitol requiring
YJL155C	FBP26	Fructose BisPhosphatase
YJL161W	FMP33	Found in Mitochondrial Proteome
YJL163C		
YJR059W	PTK2	Putative serine/Threonine protein Kinase

YJR149W		
YLL039C	UBI4	Ubiquitin
YLR081W	GAL2	GALactose metabolism
YLR099C	ICT1	Increased Copper Tolerance
YLR152C		
YLR164W	SHH4	SDH4 Homolog
YLR174W	IDP2	Isocitrate Dehydrogenase, NADP-specific
YLR225C		
YLR267W	BOP2	Bypass Of Pam1
YLR345W		
YLR350W	ORM2	
YLR446W		
YMR009W	ADI1	Acireductone Dloxygenase
YMR031C	EIS1	EISosome
YMR034C		
YMR084W		
YMR206W		
YMR251W-A	HOR7	HyperOsmolarity-Responsive
YNL011C		
YNL077W	APJ1	Anti-Prion DnaJ
YNL159C	ASI2	Amino acid Sensor-Independent
YNL160W	YGP1	Yeast GlycoProtein
YNR014W		
YOL014W		
YOR003W	YSP3	Yeast Subtilisin-like Protease III
YOR049C	RSB1	Resistance to Sphingoid long-chain Base
YOR186W		
YOR220W	RCN2	Regulator of CalciNeurin
YOR273C	TPO4	Transporter of POlyamines
YOR289W		
YPL014W		
YPL247C		
YPR026W	ATH1	Acid TreHalase
YPR158W	CUR1	Curing of [URE3]
YDL130W-A	STF1	STabilizing Factor
YBL029C-A		
YPR036W-A		
YOR020W-A		
YLR361C-A		
YGR161W-C		

Total osmoresponsive genes

Systematic Name	Standard Name	Name
YAL028W	FRT2	Functionally Related to TCP1
YAL032C	PRP45	Pre-mRNA Processing
YAL039C	CYC3	CYtochrome C
YAL040C	CLN3	CycLiN
YAL060W	BDH1	Butanediol DeHydrogenase
YAL061W	BDH2	
YAR020C	PAU7	seriPAUperin family
YBL064C	PRX1	PeroxiRedoXin
YBL078C	ATG8	AuTophagy related
YBL086C		
YBR005W	RCR1	Resistance to Congo Red
YBR006W	UGA2	Utilization of GAba
YBR014C	GRX7	GlutaRedoXin
YBR018C	GAL7	GALactose metabolism
YBR021W	FUR4	5-FIUoRouridine sensitivity
YBR024W	SCO2	Suppressor of Cytochrome Oxidase deficiency
YBR031W	RPL4A	Ribosomal Protein of the Large subunit
YBR037C	SCO1	Suppressor of Cytochrome Oxidase deficiency
YBR045C	GIP1	Glc7-Interacting Protein
YBR050C	REG2	REsistance to Glucose repression
YBR051W		
YBR052C	RFS1	Rad55 (Fifty-five) Suppressor
YBR054W	YRO2	
YBR056W		
YBR066C	NRG2	Negative Regulator of Glucose-controlled genes
YBR072W	HSP26	Heat Shock Protein
YBR078W	ECM33	ExtraCellular Mutant
YBR099C		
YBR114W	RAD16	RADiation sensitive
YBR116C		
YBR117C	TKL2	TransKetoLase
YBR118W	TEF2	Translation Elongation Factor
YBR119W	MUD1	Mutant U1 Die
YBR126C	TPS1	Trehalose-6-Phosphate Synthase
YBR132C	AGP2	high-Affinity Glutamine Permease
YBR139W		
YBR148W	YSW1	
YBR149W	ARA1	D-ARAbinose dehydrogenase
YBR160W	CDC28	Cell Division Cycle
YBR161W	CSH1	CSG1/SUR1 Homolog
YBR169C	SSE2	
YBR177C	EHT1	Ethanol Hexanoyl Transferase
YBR182C	SMP1	Second MEF2-like Protein 1
YBR183W	YPC1	Yeast Phyto-Ceramidase
YBR196C	PGI1	PhosphoGlucosomerase
YBR203W	COS111	Ciclopirox Olamine Sensitive
YBR212W	NGR1	Negative Growth Regulatory protein
YBR214W	SDS24	homolog of S. pombe SDS23
YBR230C	OM14	Outer Membrane Protein of 14 kDa
YBR237W	PRP5	Pre-mRNA Processing

YBR269C	FMP21	Found in Mitochondrial Proteome
YBR284W		
YBR286W	APE3	AminoPEptidase
YBR287W		
YBR296C	PHO89	PHOsphate metabolism
YBR298C	MAL31	MALtose fermentation
YCL027W	FUS1	cell FUSion
YCL039W	GID7	Glucose Induced Degradation deficient
YCL040W	GLK1	GLucoKinase
YCL046W		
YCL049C		
YCL026C-A	FRM2	Fatty acid Repression Mutant
YCR010C	ADY2	Accumulation of DYads
YCR012W	PGK1	3-PhosphoGlycerate Kinase
YCR020C	PET18	PETite colonies
YCR021C	HSP30	Heat Shock Protein
YCR022C		
YCR030C	SYP1	Suppressor of Yeast Profilin deletion
YCR061W		
YCR073W-A	SOL2	Suppressor Of Los1-1
YEL011W	GLC3	GLyCogen
YEL033W	MTC7	Maintenance of Telomere Capping
YEL039C	CYC7	CYtochrome C
YEL060C	PRB1	PRoteinase B
YER020W	GPA2	G Protein Alpha subunit
YER035W	EDC2	Enhancer of mRNA DeCapping
YER037W	PHM8	PHosphate Metabolism
YER039C	HVG1	Homologous to VRG4
YER053C	PIC2	PI Carrier
YER054C	GIP2	Glc7-Interacting Protein
YER062C	HOR2	HyperOsmolarity-Responsive
YER063W	THO1	suppressor of the Transcriptional defect of Hpr1 by Overexpression
YER065C	ICL1	IsoCitrate Lyase
YER066W	RRT13	Regulator of rDNA Transcription
YER067W	RGI1	Respiratory Growth Induced
YER079W		
YER081W	SER3	SERine requiring
YER095W	RAD51	RADiation sensitive
YER096W	SHC1	Sporulation-specific Homolog of CSD4
YER097W		
YER103W	SSA4	Stress-Seventy subfamily A
YER150W	SPI1	Stationary Phase Induced
YER188W		
YHL002W	HSE1	Has Symptoms of class E mutants; resembles Hbp, Stam and East
YHL016C	DUR3	Degradation of URea
YHL021C	AIM17	Altered Inheritance rate of Mitochondria
YHL024W	RIM4	Regulator of IME2
YHL044W		
YHR016C	YSC84	
YHR022C		
YHR030C	SLT2	Suppression at Low Temperature
YHR031C	RRM3	rDNA Recombination Mutation
YHR033W		

YHR049W	FSH1	Family of Serine Hydrolases
YHR075C	PPE1	Phosphoprotein Phosphatase methylEsterase
YHR087W	RTC3	Restriction of Telomere Capping
YHR092C	HXT4	HeXose Transporter
YHR094C	HXT1	HeXose Transporter
YHR095W		
YHR096C	HXT5	HeXose Transporter
YHR097C		
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YHR138C		
YHR139C	SPS100	SPorulation Specific
YHR161C	YAP1801	Yeast Assembly Polypeptide
YHR171W	ATG7	AuTophagy related
YHR174W	ENO2	ENO2
YHR195W	NVJ1	Nucleus-Vacuole Junction
YIL017C	VID28	Vacuolar Import and Degradation
YIL018W	RPL2B	Ribosomal Protein of the Large subunit
YIL024C		
YIL033C	BCY1	Bypass of CYclase mutations
YIL036W	CST6	Chromosome STability
YIL042C	PKP1	Protein Kinase of PDH
YIL045W	PIG2	Protein Interacting with Gsy2p
YIL053W	RHR2	Related to HoR2
YIL054W		
YIL055C		
YIL056W	VHR1	VHt1 Regulator
YIL077C		
YIL099W	SGA1	Sporulation-specific GlycoAmylase
YIL100W		
YIL101C	XBP1	XhoI site-Binding Protein
YIL105C	SLM1	Synthetic Lethal with Mss4
YIL107C	PFK26	6-PhosphoFructo-2-Kinase
YIL108W		
YIL111W	COX5B	Cytochrome c OXidase
YIL113W	SDP1	Stress-inducible Dual specificity Phosphatase
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YIR007W		
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YIR014W		
YIR016W		
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YKL023W		
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YKL059C	MPE1	Mutant PCF11 Extragenic suppressor
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YKL091C		
YKL093W	MBR1	Mitochondrial Biogenesis Regulation
YKL096W	CWP1	Cell Wall Protein
YKL097C		
YKL103C	APE1	AminoPeptidase
YKL123W		
YKL124W	SSH4	Suppressor of SHr3 deletion
YKL133C		
YKL142W	MRP8	Mitochondrial Ribosomal Protein
YKL146W	AVT3	Amino acid Vacuolar Transport
YKL148C	SDH1	Succinate DeHydrogenase
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YKL152C	GPM1	Glycerate PhosphoMutase
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YKL193C	SDS22	homolog of S. pombe SDS22
YKL217W	JEN1	
YKR005C		
YKR011C		
YKR035C	OPI8	OverProducer of Inositol
YKR039W	GAP1	General Amino acid Permease
YKR046C	PET10	PETite colonies
YKR049C	FMP46	Found in Mitochondrial Proteome
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YKR089C	TGL4	TriacylGlycerol Lipase
YKR091W	SRL3	Suppressor of rad53 Lethality
YFL039C	ACT1	ACTin
YFL031W	HAC1	Homologous to Atf/Creb1
YFL030W	AGX1	Alanine:Glyoxylate aminotrans(X)ferase
YFL021W	GAT1	
YFL016C	MDJ1	Mitochondrial DnaJ
YFL014W	HSP12	Heat Shock Protein
YFR003C	YPI1	Yeast Phosphatase Inhibitor
YFR014C	CMK1	CalModulin dependent protein Kinase
YFR015C	GSY1	Glycogen SYnthase
YFR017C	IGD1	Inhibitor of Glycogen Debranching
YFR022W	ROG3	Revertant Of Glycogen synthase kinase mutation
YFR044C	DUG1	Deficient in Utilization of Glutathione
YFR053C	HXK1	HXK1
YFR031C-A	RPL2A	Ribosomal Protein of the Large subunit
YAL034C	FUN19	Function Unknown Now
YDL010W	GRX6	GlutaRedoXin
YDL013W	SLX5	Synthetic Lethal of unknown [X] function
YDL019C	OSH2	OxySterol binding protein Homolog
YDL020C	RPN4	Regulatory Particle Non-ATPase
YDL021W	GPM2	Glycerate PhosphoMutase
YDL022W	GPD1	Glycerol-3-Phosphate Dehydrogenase
YDL023C		

YDL024C	DIA3	Digs Into Agar
YDL025C	RTK1	Ribosome biogenesis and TRNA synthetase-associated Kinase
YDL026W		
YDL048C	STP4	protein with similarity to Stp1p
YDL079C	MRK1	Mds1p Related Kinase
YDL110C	TMA17	Translation Machinery Associated
YDL123W	SNA4	Sensitivity to NA ⁺
YDL124W		
YDL125C	HNT1	Histidine triad NucleoTide-binding
YDL128W	VCX1	VaCuolar H ⁺ /Ca ²⁺ eXchanger
YDL161W	ENT1	Epsin N-Terminal homology
YDL169C	UGX2	Unidentified Gene X
YDL199C		
YDL204W	RTN2	ReTiculoN-like
YDL206W		
YDL214C	PRR2	Pheromone Response Regulator
YDL222C	FMP45	Found in Mitochondrial Proteome
YDL223C	HBT1	HuB1 Target
YDL230W	PTP1	Protein Tyrosine Phosphatase
YDL247W	MPH2	Maltose Permease Homolog
YDR001C	NTH1	Neutral TreHalase
YDR003W	RCR2	Resistance to Congo Red
YDR027C	VPS54	Vacuolar Protein Sorting
YDR039C	ENA2	Exitus NAtru (Latin, "exit sodium")
YDR040C	ENA1	Exitus NAtru (Latin, "exit sodium")
YDR042C		
YDR043C	NRG1	Negative Regulator of Glucose-repressed genes
YDR050C	TPI1	Triose-Phosphate Isomerase
YDR058C	TGL2	TriacylGlycerol Lipase
YDR063W	AIM7	Altered Inheritance rate of Mitochondria
YDR069C	DOA4	Degradation Of Alpha
YDR070C	FMP16	Found in Mitochondrial Proteome
YDR072C	IPT1	InositolPhosphoTransferase
YDR073W	SNF11	Sucrose NonFermenting
YDR074W	TPS2	Trehalose-6-phosphate PhoSphatase
YDR085C	AFR1	Alpha-Factor Receptor regulator
YDR088C	SLU7	Synergistic Lethal with U5 snRNA
YDR096W	GIS1	Glg1-2 Suppressor
YDR122W	KIN1	KINase
YDR133C		
YDR153C	ENT5	Epsin N-Terminal homology
YDR171W	HSP42	Heat Shock Protein
YDR173C	ARG82	ARGinine requiring
YDR185C	UPS3	UnProceSsed
YDR216W	ADR1	Alcohol Dehydrogenase Regulator
YDR223W	CRF1	Co-Repressor with FHL1
YDR229W	IVY1	Interacting with Vps33p and Ypt7p
YDR231C	COX20	Cytochrome c OXidase
YDR247W	VHS1	Viable in a Hal3 Sit4 background
YDR258C	HSP78	Heat Shock Protein
YDR273W	DON1	DONut
YDR305C	HNT2	Histidine triad NucleoTide-binding
YDR330W	UBX5	UBiquitin regulatory X

YDR342C	HXT7	HeXose Transporter
YDR343C	HXT6	HeXose Transporter
YDR358W	GGA1	Golgi-localized, Gamma-adaptin ear homology, Arf-binding protein
YDR380W	ARO10	AROMatic amino acid requiring
YDR385W	EFT2	Elongation Factor Two
YDR387C		
YDR391C		
YDR392W	SPT3	SuPpressor of Ty's
YDR402C	DIT2	DITyrosine
YDR406W	PDR15	Pleiotropic Drug Resistance
YDR408C	ADE8	ADENine requiring
YDR476C		
YDR494W	RSM28	Ribosomal Small subunit of Mitochondria
YDR501W	PLM2	PLasmid Maintenance
YDR508C	GNP1	GlutamiNe Permease
YDR509W		
YDR513W	GRX2	GlutaRedoXin
YDR516C	EMI2	Early Meiotic Induction
YDR523C	SPS1	SPorulation Specific
YDR529C	QCR7	ubiQuinol-cytochrome C oxidoReductase
YDR530C	APA2	AP4A phosphorylase
YDR533C	HSP31	Heat-Shock Protein
YDR534C	FIT1	Facilitator of Iron Transport
YDR536W	STL1	Sugar Transporter-Like protein
YDR543C		
YER093C-A	AIM11	Altered Inheritance rate of Mitochondria
YGL006W	PMC1	Plasma Membrane Calcium
YGL007W	BRP1	
YGL010W		
YGL012W	ERG4	ERGosterol biosynthesis
YGL024W		
YGL036W		
YGL037C	PNC1	Pyrazinamidase and NiCotinamidase
YGL045W	RIM8	Regulator of IME2
YGL051W	MST27	Multicopy suppressor of Sec Twenty one
YGL052W		
YGL053W	PRM8	Pheromone-Regulated Membrane protein
YGL104C	VPS73	Vacuolar Protein Sorting
YGL123W	RPS2	Ribosomal Protein of the Small subunit
YGL127C	SOH1	Suppressor Of Hpr1
YGL156W	AMS1	Alpha-MannoSidase
YGL157W	ARI1	Aldehyde Reductase Intermediate, subclass of SDR
YGL158W	RCK1	Radiation sensitivity Complementing Kinase
YGL166W	CUP2	
YGL179C	TOS3	Target Of Sbf
YGL189C	RPS26A	Ribosomal Protein of the Small subunit
YGL222C	EDC1	Enhancer of mRNA DeCapping
YGL225W	VRG4	Vandate Resistance Glycosylation
YGL229C	SAP4	Sit4 Associated Protein
YGL237C	HAP2	Heme Activator Protein
YGL250W	RMR1	Reduced Meiotic Recombination
YGL253W	HXK2	HXK2
YGL255W	ZRT1	Zinc-Regulated Transporter

YGR008C	STF2	STabilizing Factor
YGR018C		
YGR023W	MTL1	Mid-Two Like
YGR043C	NQM1	Non-Quiescent Mutant
YGR045C		
YGR046W	TAM41	Translocator Assembly and Maintenance 41
YGR050C		
YGR052W	FMP48	Found in Mitochondrial Proteome
YGR053C		
YGR066C		
YGR067C		
YGR069W		
YGR070W	ROM1	RhO1 Multicopy suppressor
YGR086C	PIL1	Phosphorylation Inhibited by Long chain bases
YGR087C	PDC6	Pyruvate DeCarboxylase
YGR088W	CTT1	CaTalase T
YGR121C	MEP1	
YGR122W		
YGR127W		
YGR130C		
YGR131W	FHN1	Functional Homologue of Nce102
YGR142W	BTN2	BaTteN disease
YGR144W	THI4	THIamine metabolism
YGR149W		
YGR160W		
YGR161C	RTS3	
YGR182C		
YGR190C		
YGR192C	TDH3	Triose-phosphate DeHydrogenase
YGR194C	XKS1	XyluloKinaSe
YGR205W	TDA10	Topoisomerase I Damage Affected
YGR222W	PET54	PETite colonies
YGR230W	BNS1	Bypasses Need for Spo12p
YGR236C	SPG1	Stationary Phase Gene
YGR237C		
YGR241C	YAP1802	Yeast Assembly Polypeptide
YGR243W	FMP43	Found in Mitochondrial Proteome
YGR248W	SOL4	Suppressor Of Los1-1
YGR249W	MGA1	
YGR254W	ENO1	ENO1
YGR256W	GND2	
YGR282C	BGL2	Beta-GLucanase
YGR289C	MAL11	MALtose fermentation
YGR291C		
YJL048C	UBX6	UBiquitin regulatory X
YJL057C	IKS1	
YJL064W		
YJL066C	MPM1	Mitochondrial Peculiar Membrane protein
YJL070C		
YJL106W	IME2	Inducer of MEiosis
YJL107C		
YJL108C	PRM10	Pheromone-Regulated Membrane protein
YJL132W		

YJL141C	YAK1	Yet Another Kinase
YJL142C	IRC9	Increased Recombination Centers
YJL144W		
YJL153C	INO1	INOsitol requiring
YJL155C	FBP26	Fructose BisPhosphatase
YJL161W	FMP33	Found in Mitochondrial Proteome
YJL163C		
YJL164C	TPK1	Takashi's Protein Kinase
YJL165C	HAL5	HALotolerance
YJL171C		
YJL188C	BUD19	BUD site selection
YJL196C	ELO1	ELongation defective
YJR008W	MHO1	Memo HOMolog
YJR019C	TES1	ThioESTerase
YJR036C	HUL4	Hect Ubiquitin Ligase
YJR059W	PTK2	Putative serine/Threonine protein Kinase
YJR079W		
YJR086W	STE18	STERile
YJR087W		
YJR104C	SOD1	SuperOxide Dismutase
YJR115W		
YJR120W		
YJR123W	RPS5	Ribosomal Protein of the Small subunit
YJR149W		
YJR160C	MPH3	Maltose Permease Homolog
YLL019C	KNS1	Kinase Next to SPA2
YLL020C		
YLL023C	POM33	POre Membrane, 33 kDa
YLL025W	PAU17	seriPAUperin
YLL026W	HSP104	Heat Shock Protein
YLL027W	ISA1	Iron Sulfur Assembly
YLL028W	TPO1	Transporter of POlyamines
YLL039C	UBI4	Ubiquitin
YLL041C	SDH2	Succinate DeHydrogenase
YLR006C	SSK1	Suppressor of Sensor Kinase
YLR029C	RPL15A	Ribosomal Protein of the Large subunit
YLR031W		
YLR042C		
YLR081W	GAL2	GALactose metabolism
YLR099C	ICT1	Increased Copper Tolerance
YLR108C		
YLR111W		
YLR112W		
YLR120C	YPS1	YaPSin
YLR121C	YPS3	YaPSin
YLR149C		
YLR151C	PCD1	Peroxisomal Coenzyme A Diphosphatase
YLR152C		
YLR155C	ASP3-1	ASParaginase
YLR157C	ASP3-2	ASParaginase
YLR158C	ASP3-3	ASParaginase
YLR160C	ASP3-4	ASParaginase
YLR164W	SHH4	SDH4 Homolog

YLR165C	PUS5	PseudoUridine Synthase
YLR167W	RPS31	Ribosomal Protein of the Small subunit
YLR171W		
YLR174W	IDP2	Isocitrate Dehydrogenase, NADP-specific
YLR176C	RFX1	
YLR177W		
YLR178C	TFS1	cdc25 (Twenty-Five) Suppressor
YLR194C		
YLR219W	MSC3	Meiotic Sister-Chromatid recombination
YLR225C		
YLR251W	SYM1	Stress-inducible Yeast Mpv17
YLR252W		
YLR254C	NDL1	NuDeL homolog
YLR256W	HAP1	Heme Activator Protein
YLR257W		
YLR258W	GSY2	Glycogen SYNthase
YLR267W	BOP2	Bypass Of Pam1
YLR270W	DCS1	DeCapping Scavenger
YLR284C	ECI1	Enoyl-CoA Isomerase
YLR311C		
YLR312C		
YLR327C	TMA10	Translation Machinery Associated
YLR329W	REC102	RECombination
YLR340W	RPP0	Ribosomal Protein P0
YLR343W	GAS2	Glycophospholipid-Anchored Surface protein
YLR345W		
YLR350W	ORM2	
YLR414C	PUN1	Plasma membrane protein Upregulated during Nitrogen stress
YLR417W	VPS36	Vacuolar Protein Sorting
YLR438W	CAR2	Catabolism of ARginine
YLR446W		
YML004C	GLO1	GLyOxalase
YML030W	RCF1	Respiratory superComplex Factor
YML053C		
YML054C	CYB2	CYtochrome B
YML070W	DAK1	DihydroxyAcetone Kinase
YML100W	TSL1	Trehalose Synthase Long chain
YML120C	NDI1	NADH Dehydrogenase Internal
YML128C	MSC1	Meiotic Sister-Chromatid recombination
YML131W		
YMR009W	ADI1	Acireductone Dloxygenase
YMR017W	SPO20	SPOrulation
YMR031C	EIS1	EISosome
YMR032W	HOF1	Homolog Of cdc Fifteen
YMR034C		
YMR037C	MSN2	Multicopy suppressor of SNF1 mutation
YMR039C	SUB1	SUppressor of TFIIB mutations
YMR040W	YET2	Yeast Endoplasmic reticulum Transmembrane protein
YMR043W	MCM1	MiniChromosome Maintenance
YMR052C-A		
YMR053C	STB2	Sin Three Binding protein
YMR068W	AVO2	Adheres VOraciously (to TOR2)
YMR069W	NAT4	N-AcetylTransferase

YMR070W	MOT3	Modifier of Transcription
YMR081C	ISF1	Increasing Suppression Factor
YMR084W		
YMR085W		
YMR087W		
YMR090W		
YMR102C		
YMR103C		
YMR105C	PGM2	PhosphoGlucoMutase
YMR114C		
YMR116C	ASC1	Absence of growth Suppressor of Cyp1
YMR135C	GID8	Glucose Induced Degradation deficient
YMR140W	SIP5	Snf1 Interacting Protein
YMR164C	MSS11	Multicopy Suppressor of STA genes
YMR169C	ALD3	ALdehyde Dehydrogenase
YMR173W	DDR48	DNA Damage Responsive
YMR173W-A		
YMR180C	CTL1	Capping enzyme mRNA Triphosphatase-Like
YMR195W	ICY1	Interacting with the CYtoskeleton
YMR196W		
YMR210W		
YMR240C	CUS1	Cold sensitive U2 snRNA Suppressor
YMR250W	GAD1	Glutamate Decarboxylase
YMR251W-A	HOR7	HyperOsmolarity-Responsive
YMR252C		
YMR253C		
YMR261C	TPS3	Trehalose-6-Phosphate Synthase
YMR262W		
YMR263W	SAP30	SIT4 protein phosphatase Associated Protein
YMR280C	CAT8	CATABolite repression
YMR291W	TDA1	Topoisomerase I Damage Affected
YMR292W	GOT1	GOlgi Transport
YMR297W	PRC1	PRoteinase C
YMR304C-A		
YMR316W	DIA1	Digs Into Agar
YMR320W		
YNL007C	SIS1	Slit4 Suppressor
YNL036W	NCE103	NonClassical Export
YNL042W	BOP3	Bypass Of Pam1
YNL069C	RPL16B	Ribosomal Protein of the Large subunit
YNL077W	APJ1	Anti-Prion DnaJ
YNL093W	YPT53	Yeast Protein Two
YNL097C	PHO23	PHOsphate metabolism
YNL098C	RAS2	homologous to RAS proto-oncogene
YNL115C		
YNL120C		
YNL144C		
YNL155W		
YNL156C	NSG2	
YNL159C	ASI2	Amino acid Sensor-Independent
YNL160W	YGP1	Yeast GlycoProtein
YNL173C	MDG1	Multicopy suppressor of Defective G-protein
YNL180C	RHO5	Ras HOMolog

YNL192W	CHS1	CHitin Synthase
YNL194C		
YNL195C		
YNL200C		
YNL251C	NRD1	Nuclear pre-mRNA Down-regulation
YNL259C	ATX1	AnTioXidant
YNL266W		
YNL274C	GOR1	GlyOxylate Reductase
YNL279W	PRM1	Pheromone-Regulated Membrane protein
YNL305C	BXI1	BaX Inhibitor
YNR001C	CIT1	CITrate synthase
YNR002C	ATO2	Ammonia (Ammonium) Transport Outward
YNR006W	VPS27	Vacuolar Protein Sorting
YNR007C	ATG3	AuTophagy related
YNR014W		
YNR034W	SOL1	Suppressor Of Los1-1
YNR049C	MSO1	Multicopy suppressor of Sec One
YNR060W	FRE4	Ferric REDuctase
YOL014W		
YOL016C	CMK2	CalModulin dependent protein Kinase
YOL024W		
YOL032W	OPI10	OverProducer of Inositol
YOL047C		
YOL048C	RRT8	Regulator of rDNA Transcription
YOL052C-A	DDR2	DNA Damage Responsive
YOL083W	ATG34	AuTophagy related
YOL084W	PHM7	PHosphate Metabolism
YOL089C	HAL9	HALotolerance
YOL096C	COQ3	COenzyme Q
YOL100W	PKH2	Pkb-activating Kinase Homolog
YOL123W	HRP1	Heterogenous nuclear RibonucleoProtein
YOL133W	HRT1	High level expression Reduces Ty3 transposition
YOL150C		
YOL151W	GRE2	Genes de Respuesta a Estres (stress responsive genes)
YOL153C		
YOL154W	ZPS1	Zinc- and pH-regulated Surface protein
YOL162W		
YOR003W	YSP3	Yeast Subtilisin-like Protease III
YOR018W	ROD1	Resistance to O-Dinitrobenzene
YOR019W		
YOR023C	AHC1	Ada Histone acetyltransferase complex Component
YOR026W	BUB3	Budding Uninhibited by Benzimidazole
YOR027W	STI1	STress Inducible
YOR028C	CIN5	Chromosome INstability
YOR036W	PEP12	carboxyPEPtidase Y-deficient
YOR041C		
YOR049C	RSB1	Resistance to Sphingoid long-chain Base
YOR052C		
YOR054C	VHS3	Viable in a Hal3 Sit4 background
YOR062C		
YOR065W	CYT1	
YOR068C	VAM10	VAcuolar Morphogenesis
YOR089C	VPS21	Vacuolar Protein Sorting

YOR092W	ECM3	ExtraCellular Mutant
YOR099W	KTR1	Kre Two Related
YOR133W	EFT1	Elongation Factor Two
YOR134W	BAG7	
YOR137C	SIA1	
YOR139C		
YOR148C	SPP2	Suppressor of PrP
YOR152C		
YOR161C	PNS1	pH Nine Sensitive
YOR173W	DCS2	DeCapping Scavenger
YOR178C	GAC1	Glycogen ACcumulation
YOR186W		
YOR215C	AIM41	Altered Inheritance of Mitochondria
YOR219C	STE13	STERile
YOR220W	RCN2	Regulator of CalciNeurin
YOR223W		
YOR245C	DGA1	DiacylGlycerol Acyltransferase
YOR267C	HRK1	Hygromycin Resistance Kinase
YOR273C	TPO4	Transporter of POlyamines
YOR289W		
YOR317W	FAA1	Fatty Acid Activation
YOR345C		
YOR348C	PUT4	Proline UTilization
YOR349W	CIN1	Chromosome INstability
YOR374W	ALD4	ALdehyde Dehydrogenase
YOR385W		
YPL003W	ULA1	Ubiquitin-Like protein Activation
YPL004C	LSP1	Long chain bases Stimulate Phosphorylation
YPL014W		
YPL017C	IRC15	Increased Recombination Centers
YPL024W	RMI1	RecQ Mediated genome Instability
YPL047W	SGF11	SaGa associated Factor 11kDa
YPL054W	LEE1	
YPL057C	SUR1	SUPpressor of Rvs161 and rvs167 mutations
YPL061W	ALD6	ALdehyde Dehydrogenase
YPL062W		
YPL064C	CWC27	Complexed With Cef1p
YPL100W	ATG21	AuTophagy related
YPL123C	RNY1	RiboNuclease from Yeast
YPL131W	RPL5	Ribosomal Protein of the Large subunit
YPL154C	PEP4	carboxyPEPTidase Y-deficient
YPL156C	PRM4	Pheromone-Regulated Membrane protein
YPL159C	PET20	PETite colonies
YPL186C	UIP4	Ulp1 Interacting Protein
YPL201C	YIG1	Yeast protein Interacting with Glycerol 3-phosphatase
YPL203W	TPK2	Takashi's Protein Kinase
YPL219W	PCL8	Pho85 CycLin
YPL221W	FLC1	FLavin Carrier
YPL222W	FMP40	Found in Mitochondrial Proteome
YPL223C	GRE1	Genes de Respuesta a Estres (spanish for stress responsive genes)
YPL229W		
YPL230W	USV1	Up in StarVation
YPL238C		

YPL240C	HSP82	Heat Shock Protein
YPL247C		
YPL258C	THI21	THIamine metabolism
YPL260W		
YPL272C		
YPL280W	HSP32	Heat-Shock Protein
YPR005C	HAL1	HALotolerance
YPR012W		
YPR026W	ATH1	Acid TreHalase
YPR030W	CSR2	Chs5 Spa2 Rescue
YPR053C		
YPR061C	JID1	DnaJ protein Involved in ER-associated Degradation
YPR065W	ROX1	Regulation by OXYgen
YPR080W	TEF1	Translation Elongation Factor
YPR127W		
YPR149W	NCE102	NonClassical Export
YPR154W	PIN3	Psi+ INducibility
YPR155C	NCA2	Nuclear Control of ATPase
YPR158W	CUR1	Curing of [URE3]
YPR160W	GPH1	Glycogen PHosphorylase
YPR184W	GDB1	
YPR199C	ARR1	ARsenicals Resistance
YER039C-A		
YDR034W-B		
YOR298C-A	MBF1	Multiprotein Bridging Factor
YBR085C-A		
YER053C-A		
YNR034W-A		
YDL085C-A		