

**Table S3: Query strains and library used for EMAP**

NOTE: Gene description taken from the SGD Database (March 17th, 2007). Essentiality status taken from Saccharomyces Genome Deletion Project.

NOTE: The Primary Functional category was defined by the the top ranked GO term in the list of the 25 most frequently found GO slim terms (taken from SGD) for all array and query genes.

Gene	ORF	Essential?	Description	Primary Functional Category
ASF1	YJL115W	No	Nucleosome Assembly Factor	Histone Modification
RTT101	YJL047C	No	Cullin Subunit Of A Roc1P-Dependent E3 Ubiquitin Ligase Complex	Proteolysis Involved In Cellular Protein Catabolic Process
NUP133	YKR082W	No	Subunit Of Nup84P Subcomplex Of Nuclear Pore Complex (Npc)	Protein Targeting
RTT109	YLL002W	No	Histone Acetyltransferase	Histone Modification
RAD5	YLR032W	No	DNA Helicase/Ubiquitin Ligase	Protein Modification By Small Protein Conjugation Or Removal
RAD52	YML032C	No	Protein That Stimulates Strand Exchange	DNA Recombination
SGS1	YMR190C	No	Nucleolar DNA Helicase Of The Recq Family	DNA Recombination
MRE11	YMR224C	No	Nuclease Subunit Of The Mrx Complex With Rad50P And Xrs2P	DNA Recombination
YKU70	YMR284W	No	Subunit Of The Telomeric Ku Complex (Yku70P-Yku80P)	DNA Recombination
RPD3	YNL330C	No	Histone Deacetylase, Component Of Both The Rpd3S And Rpd3L Complexes	DNA Recombination
TOF1	YNL273W	No	Subunit Of A Replication-Pausing Checkpoint Complex	DNA Repair
PSY2	YNL201C	No	Subunit Of Protein Phosphatase Pp4 Complex	Signaling
HTZ1	YOL012C	No	Histone Variant H2Az	Chromatin Organization
HST3	YOR025W	No	Member Of The Sir2 Family Of Nad(+)-Dependent Protein Deacetylases	Histone Modification
EXO1	YOR033C	No	5'-3' Exonuclease And Flap-Endonuclease	DNA Recombination
ARP8	YOR141C	No	Nuclear Actin-Related Protein Involved In Chromatin Remodeling	DNA Recombination
RAD17	YOR368W	No	Checkpoint Protein	DNA Recombination
MRC1	YCL061C	No	S-Phase Checkpoint Protein Required For DNA Replication	Regulation Of Cell Cycle
DCC1	YCL016C	No	Subunit Of A Complex With Ctf8P And Ctf18P	Organelle Fission
RAD18	YCR066W	No	E3 Ubiquitin Ligase	Protein Modification By Small Protein Conjugation Or Removal
BRE1	YDL074C	No	E3 Ubiquitin Ligase	DNA Recombination
SLX5	YDL013W	No	Subunit Of The Slx5-Slx8 Sumo-Targeted Ubiquitin Ligase Complex	Protein Modification By Small Protein Conjugation Or Removal
PPH3	YDR075W	No	Catalytic Subunit Of Protein Phosphatase Pp4 Complex	DNA Recombination
UBC13	YDR092W	No	E2 Ubiquitin-Conjugating Enzyme	Protein Modification By Small Protein Conjugation Or Removal
RAD9	YDR217C	No	DNA Damage-Dependent Checkpoint Protein	Regulation Of Cell Cycle
SWR1	YDR334W	No	Swi2/Snf2-Related Atpase	Chromatin Organization
DOT1	YDR440W	No	Nucleosomal Histone H3-Lys79 Methylase	DNA Recombination
SLX8	YER116C	No	Subunit Of Slx5-Slx8 Sumo-Targeted Ubiquitin Ligase (Stubl) Complex	Protein Modification By Small Protein Conjugation Or Removal
RAD24	YER173W	No	Checkpoint Protein	DNA Recombination
SAE2	YGL175C	No	Endonuclease Involved In Processesing Hairpin DNA Structures	DNA Recombination
RSC1	YGR056W	No	Component Of The Rsc Chromatin Remodeling Complex	DNA Repair
DDC1	YPL194W	No	DNA Damage Checkpoint Protein	DNA Recombination
mec1-100	YBR136W	yes	Genome integrity checkpoint protein and PI kinase superfamily member	cellular response to DNA damage stimulus
rfa1-t11	YAR007C	yes	Subunit of heterotrimeric Replication Protein A (RPA)	cellular response to DNA damage stimulus
sgs1-r1	YMR190C	no	RecQ family nucleolar DNA helicase	mitotic cell cycle

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NOTE: The Primary Functional category was defined by the the top ranked GO term in the list of the 25 most frequently found GO slim terms (taken from SGD) for all array and query genes.

Gene	ORF	Essential?	Description	Primary Functional Category
PEX22	YAL055W	No	Putative Peroxisomal Membrane Protein	Signaling
CBP4	YGR174C	No	Mitochondrial Protein Required For Assembly Of Cytochrome Bc1 Complex	Protein Complex Biogenesis
ERG2	YMR202W	No	C-8 Sterol Isomerase	Lipid Metabolic Process
	YLR224W	No	F-Box Protein And Component Of Scf Ubiquitin Ligase Complexes	Response To Chemical
FLC2	YAL053W	No	Putative Fad Transporter	Miscellaneous
PBP1	YGR178C	No	Component Of Glucose Deprivation Induced Stress Granules	Miscellaneous
PFK2	YMR205C	No	Beta Subunit Of Heterooctameric Phosphofructokinase	Carbohydrate Metabolic Process
CAP1	YKL007W	No	Alpha Subunit Of The Capping Protein Heterodimer (Cap1P And Cap2P)	Protein Complex Biogenesis
GEM1	YAL048C	No	Outer Mitochondrial Membrane Gtpase, Subunit Of The Ermes Complex	Regulation Of Organelle Organization
UBR1	YGR184C	No	E3 Ubiquitin Ligase (N-Recognin)	Response To Chemical
SKY1	YMR216C	No	Sr Protein Kinase (Srpk)	Response To Chemical
SPT23	YKL020C	No	Er Membrane Protein Involved In Regulation Of Ole1 Transcription	Transcription From Rna Polymerase Ii Promoter
SAW1	YAL027W	No	5'- And 3'-Flap DNA Binding Protein	Cellular Response To DNA Damage Stimulus
ELP2	YGR200C	No	Subunit Of Elongator Complex	Transcription From Rna Polymerase Ii Promoter
MRE11	YMR224C	No	Nuclease Subunit Of The Mrx Complex With Rad50P And Xrs2P	Cellular Response To DNA Damage Stimulus
IXR1	YKL032C	No	Transcriptional Repressor That Regulates Hypoxic Genes During Normoxia	Transcription From Rna Polymerase Ii Promoter
CCR4	YAL021C	No	Component Of The Ccr4-Not Transcriptional Complex	Transcription From Rna Polymerase Ii Promoter
RPS0A	YGR214W	No	Ribosomal 40S Subunit Protein S0A	Miscellaneous
GFD1	YMR255W	No	Coiled-Coiled Protein Of Unknown Function	Miscellaneous
TMA19	YKL056C	No	Protein That Associates With Ribosomes	Response To Chemical
MDM10	YAL010C	No	Subunit Of Both The Ermes And The Sam Complex	Protein Complex Biogenesis
WSC4	YHL028W	No	Endoplasmic Reticulum (Er) Membrane Protein	Protein Targeting
RCE1	YMR274C	No	Type Ii Caax Prenyl Protease	Miscellaneous
TEF4	YKL081W	No	Gamma Subunit Of Translational Elongation Factor Eef1B	Miscellaneous
KIN3	YAR018C	No	Nonessential Serine/Threonine Protein Kinase	Protein Phosphorylation
VPS29	YHR012W	No	Subunit Of The Membrane-Associated Retromer Complex	Miscellaneous
NGL2	YMR285C	No	Protein Involved In 5.8S Rrna Processing	Miscellaneous
RAD27	YKL113C	No	5' To 3' Exonuclease, 5' Flap Endonuclease	Cellular Response To DNA Damage Stimulus
UBI4	YLL039C	No	Ubiquitin	Meiotic Cell Cycle
	YHR078W	No	High Osmolarity-Regulated Gene Of Unknown Function	Biological_Process
PEX6	YNL329C	No	Aaa-Peroxin	Signaling
LST4	YKL176C	No	Protein Possibly Involved In A Post-Golgi Secretory Pathway	Golgi Vesicle Transport
SPT8	YLR055C	No	Subunit Of The Saga Transcriptional Regulatory Complex	Transcription From Rna Polymerase Ii Promoter
DMA1	YHR115C	No	Ubiquitin-Protein Ligase (E3)	Mitotic Cell Cycle
TRF5	YNL299W	No	Non-Canonical Poly(A) Polymerase	Miscellaneous
ENV11	YGR071C	No	Protein Proposed To Be Involved In Vacuolar Functions	Miscellaneous
GEP5	YLR091W	No	Protein Of Unknown Function	Miscellaneous
REC104	YHR157W	No	Protein Involved In Early Stages Of Meiotic Recombination	Organelle Fission
TOF1	YNL273W	No	Subunit Of A Replication-Pausing Checkpoint Complex	Mitotic Cell Cycle
UF01	YML088W	No	F-Box Receptor Protein	Cellular Response To DNA Damage Stimulus
MNL1	YHR204W	No	Alpha-1,2-Specific Exomannosidase Of The Endoplasmic Reticulum	Proteolysis Involved In Cellular Protein Catabolic Process
TSR3	YOR006C	No	Protein Required For 20S Pre-Rrna Processing	Miscellaneous
VAM3	YOR106W	No	Syntaxin-Like Vacuolar T-Snare	Miscellaneous
GSF2	YML048W	No	Endoplasmic Reticulum (Er) Localized Integral Membrane Protein	Miscellaneous
BIK1	YCL029C	No	Microtubule-Associated Protein	Mitotic Cell Cycle
DFG16	YOR030W	No	Probable Multiple Transmembrane Protein	Miscellaneous
VPS17	YOR132W	No	Subunit Of The Membrane-Associated Retromer Complex	Miscellaneous
MAD1	YGL086W	No	Coiled-Coil Protein Involved In Spindle-Assembly Checkpoint	Mitotic Cell Cycle
DMA2	YNL116W	No	Ubiquitin-Protein Ligase (E3)	Mitotic Cell Cycle
RPO41	YFL036W	No	Mitochondrial Rna Polymerase	Miscellaneous
DAL81	YIRO23W	No	Positive Regulator Of Genes In Multiple Nitrogen Degradation Pathways	Transcription From Rna Polymerase Ii Promoter
MMS2	YGL087C	No	Ubiquitin-Conjugating Enzyme Variant	Cellular Response To DNA Damage Stimulus
RAS2	YNL098C	No	Gtp-Binding Protein	Response To Chemical
SWP82	YFL049W	No	Member Of The Swi/Snf Chromatin Remodeling Complex	Transcription From Rna Polymerase Ii Promoter
MDM35	YKL053C-A	No	Mitochondrial Intermembrane Space Protein	Protein Complex Biogenesis
KEX2	YNL238W	No	Subtilisin-Like Protease (Proprotein Convertase)	Miscellaneous
YDJ1	YNL064C	No	Type I Hsp40 Co-Chaperone	Protein Targeting
UBP6	YFR010W	No	Ubiquitin-Specific Protease	Protein Modification By Small Protein Conjugation Or Removal
RBL2	YOR265W	No	Protein Involved In Microtubule Morphogenesis	Protein Complex Biogenesis
PDR16	YNL231C	No	Phosphatidylinositol Transfer Protein (Pitp)	Response To Chemical
HPM1	YIL110W	No	Adomet-Dependent Methyltransferase	Miscellaneous
YTA7	YGR270W	No	Protein That Localizes To Chromatin	Transcription From Rna Polymerase Ii Promoter
RIM20	YOR275C	No	Protein Involved In Proteolytic Activation Of Rim101P	Miscellaneous
SQS1	YNL224C	No	Protein That Stimulates The Atpase And Helicase Activities Of Prp43P	Miscellaneous

MET18	YIL128W	No	Component Of Cytosolic Iron-Sulfur Protein Assembly (Cia) Machinery	Miscellaneous
MGA2	YIR033W	No	Er Membrane Protein Involved In Regulation Of Ole1 Transcription	Transcription From Rna Polymerase Ii Promoter
IWR1	YDL115C	No	Rna Polymerase Ii Transport Factor, Conserved From Yeast To Humans	Miscellaneous
RTT106	YNL206C	No	Histone Chaperone	Transcription From Rna Polymerase Ii Promoter
MLP2	YIL149C	No	Myosin-Like Protein Associated With The Nuclear Envelope	Mitotic Cell Cycle
NUP133	YKR082W	No	Subunit Of Nup84P Subcomplex Of Nuclear Pore Complex (Npc)	Transcription From Rna Polymerase Ii Promoter
ESL2	YKR096W	No	Protein Of Unknown Function	Biological_Process
SKO1	YNL167C	No	Basic Leucine Zipper Transcription Factor Of The Atf/Creb Family	Transcription From Rna Polymerase Ii Promoter
MPH1	YIR002C	No	3'-5' DNA Helicase Involved In Error-Free Bypass Of DNA Lesions	Cellular Response To DNA Damage Stimulus
RCO1	YMR075W	No	Essential Component Of The Rpd3S Histone Deacetylase Complex	Transcription From Rna Polymerase Ii Promoter
EAF3	YPR023C	No	Component Of The Rpd3S Histone Deacetylase Complex	Transcription From Rna Polymerase Ii Promoter
CBT1	YKL208W	No	Protein Involved In 5' Rna End Processing	Protein Complex Biogenesis
FKH2	YNL068C	No	Forkhead Family Transcription Factor	Transcription From Rna Polymerase Ii Promoter
INO4	YOL108C	No	Transcription Factor Involved In Phospholipid Synthesis	Transcription From Rna Polymerase Ii Promoter
PBY1	YBR094W	No	Putative Tubulin Tyrosine Ligase Associated With P-Bodies	Biological_Process
GMH1	YKR030W	No	Golgi Membrane Protein Of Unknown Function	Miscellaneous
TCB2	YNL087W	No	Er Protein Involved In Er-Plasma Membrane Tethering	Lipid Metabolic Process
IES5	YER092W	No	Protein That Associates With The Ino80 Chromatin Remodeling Complex	Biological_Process
TPS1	YBR126C	No	Synthase Subunit Of Trehalose-6-P Synthase/Phosphatase Complex	Response To Chemical
PAM17	YKR065C	No	Constituent Of The Tim23 Complex	Protein Targeting
RAV2	YDR202C	No	Subunit Of Rave Complex (Rav1P, Rav2P, Skp1P)	Protein Complex Biogenesis
	YMR209C	No	Putative S-Adenosylmethionine-Dependent Methyltransferase	Biological_Process
TYR1	YBR166C	No	Prephenate Dehydrogenase Involved In Tyrosine Biosynthesis	Miscellaneous
PMP3	YDR276C	No	Small Plasma Membrane Protein	Response To Chemical
CTK1	YKL139W	No	Catalytic (Alpha) Subunit Of C-Terminal Domain Kinase I (Ctdk-I)	Transcription From Rna Polymerase Ii Promoter
CAC2	YML102W	No	Subunit Of Chromatin Assembly Factor I (Caf-1), With Rif2P And Msi1P	Chromatin Organization
SLM3	YDL033C	No	Trna-Specific 2-Thiouridylase	Miscellaneous
SUM1	YDR310C	No	Transcriptional Repressor That Regulates Middle-Sporulation Genes	Transcription From Rna Polymerase Ii Promoter
BIT2	YBR270C	No	Subunit Of Torc2 Membrane-Associated Complex	Biological_Process
TUB3	YML124C	No	Alpha-Tubulin	Mitotic Cell Cycle
BDF2	YDL070W	No	Protein Involved In Transcription Initiation	Chromatin Organization
	YOR342C	No	Protein Of Unknown Function	Biological_Process
FAR1	YJL157C	No	Cdk Inhibitor And Nuclear Anchor	Response To Chemical
SWC5	YBR231C	No	Component Of The Swr1 Complex	Chromatin Organization
UGA1	YGR019W	No	Gamma-Aminobutyrate (Gaba) Transaminase	Miscellaneous
TYE7	YOR344C	No	Serine-Rich Protein That Contains A Bhlh DNA Binding Motif	Carbohydrate Metabolic Process
VPS35	YJL154C	No	Endosomal Subunit Of Membrane-Associated Retromer Complex	Miscellaneous
	YBR238C	No	Mitochondrial Membrane Protein	Miscellaneous
RPS6A	YPL090C	No	Protein Component Of The Small (40S) Ribosomal Subunit	Miscellaneous
CIN1	YOR349W	No	Tubulin Folding Factor D Involved In Beta-Tubulin (Tub2P) Folding	Protein Complex Biogenesis
RPA34	YJL148W	No	Rna Polymerase I Subunit A34.5	Miscellaneous
MTC4	YBR255W	No	Protein Of Unknown Function	Biological_Process
ELP3	YPL086C	No	Subunit Of Elongator Complex	Transcription From Rna Polymerase Ii Promoter
PDE2	YOR360C	No	High-Affinity Cyclic Amp Phosphodiesterase	Signaling
TIF2	YJL138C	No	Translation Initiation Factor Eif4A	Miscellaneous
VMS1	YDR049W	No	Component Of A Cdc48P-Complex Involved In Protein Quality Control	Response To Chemical
BTS1	YPL069C	No	Geranylgeranyl Diphosphate Synthase	Lipid Metabolic Process
PFA4	YOL003C	No	Palmitoyltransferase With Autoacylation Activity	Miscellaneous
NUP2	YLR335W	No	Nucleoporin Involved In Nucleocytoplasmic Transport	Protein Targeting
DOA4	YDR069C	No	Ubiquitin Hydrolase That Deubiquitinates Ilv Cargo Proteins	Proteolysis Involved In Cellular Protein Catabolic Process
ARL3	YLO051W	No	Arf-Like Small Gtpase Of The Ras Superfamily	Golgi Vesicle Transport
HTZ1	YOL012C	No	Histone Variant H2Az	Transcription From Rna Polymerase Ii Promoter
VPS38	YLR360W	No	Part Of A Vps34P Phosphatidylinositol 3-Kinase Complex	Miscellaneous
VPS41	YDR080W	No	Vacuolar Membrane Protein That Is A Subunit Of The Hops Complex	Protein Complex Biogenesis
EGD1	YPL037C	No	Subunit Beta1 Of The Nascent Polypeptide-Associated Complex (Nac)	Protein Targeting
SIL1	YOL031C	No	Nucleotide Exchange Factor For The Er Luminal Hsp70 Chaperone Kar2P	Protein Targeting
PSY3	YLR376C	No	Component Of The Shu Complex, Which Promotes Error-Free DNA Repair	Cellular Response To DNA Damage Stimulus
ARX1	YDR101C	No	Nuclear Export Factor For The Ribosomal Pre-60S Subunit	Miscellaneous
CLB2	YPR119W	No	B-Type Cyclin Involved In Cell Cycle Progression	Mitotic Cell Cycle
PSH1	YOL054W	No	E3 Ubiquitin Ligase Targeting Centromere-Binding Protein Cse4P	Protein Modification By Small Protein Conjugation Or Removal
DUS3	YLR401C	No	Dihydrouridine Synthase	Miscellaneous
ARO1	YDR127W	No	Pentafunctional Arom Protein	Miscellaneous
URN1	YPR152C	No	Putative Protein Of Unknown Function Containing Ww And Ff Domains	Biological_Process
IRA2	YOL081W	No	Gtpase-Activating Protein	Response To Chemical
LIP2	YLR239C	No	Lipoyl Ligase	Miscellaneous
XRS2	YDR369C	No	Protein Required For DNA Repair	Cellular Response To DNA Damage Stimulus
CDC26	YFR036W	No	Subunit Of The Anaphase-Promoting Complex/Cyclosome (Apc/C)	Chromatin Organization
YAR1	YPL239W	No	Ankyrin-Repeat Containing, Nucleocytoplasmic Shuttling Chaperone	Response To Chemical
PIG1	YLR273C	No	Putative Targeting Subunit For Type-1 Protein Phosphatase Glc7P	Carbohydrate Metabolic Process
SAC7	YDR389W	No	Gtpase Activating Protein (Gap) For Rho1P	Regulation Of Organelle Organization
	YGR237C	No	Putative Protein Of Unknown Function	Biological_Process

DDC1	YPL194W	No	DNA Damage Checkpoint Protein	Mitotic Cell Cycle
NKP2	YLR315W	No	Central Kinetochore Protein And Subunit Of The Ctf19 Complex	Miscellaneous
SIP1	YDR422C	No	Alternate Beta-Subunit Of The Snf1P Kinase Complex	Protein Complex Biogenesis
RPL19B	YBL027W	No	Ribosomal 60S Subunit Protein L19B	Miscellaneous
NIP100	YPL174C	No	Large Subunit Of The Dynactin Complex	Mitotic Cell Cycle
SAC3	YDR159W	No	Nuclear Pore-Associated Protein	Mitotic Cell Cycle
MTC7	YEL033W	No	Protein Of Unknown Function	Biological_Process
SKT5	YBL061C	No	Activator Of Chs3P (Chitin Synthase Iii) During Vegetative Growth	Carbohydrate Metabolic Process
PHO86	YJL117W	No	Endoplasmic Reticulum (Er) Resident Protein	Golgi Vesicle Transport
ITC1	YGL133W	No	Subunit Of Atp-Dependent Isw2P/Itc1P Chromatin Remodeling Complex	Transcription From Rna Polymerase Ii Promoter
APE3	YBR286W	No	Vacuolar Aminopeptidase Y	Miscellaneous
VAM6	YDL077C	No	Vacuolar Protein Involved In Vacuolar Membrane Fusion Tethering	Protein Complex Biogenesis
ASF1	YJL115W	No	Nucleosome Assembly Factor	Transcription From Rna Polymerase Ii Promoter
MRM2	YGL136C	No	Mitochondrial 2' O-Ribose Methyltransferase	Miscellaneous
BSD2	YBR290W	No	Heavy Metal Ion Homeostasis Protein	Protein Targeting
VPS72	YDR485C	No	Htz1P-Binding Component Of The Swr1 Complex	Chromatin Organization
SAP185	YJL098W	No	Protein That Forms A Complex With The Sit4P Protein Phosphatase	Mitotic Cell Cycle
RPL9A	YGL147C	No	Ribosomal 60S Subunit Protein L9A	Miscellaneous
PCA1	YBR295W	No	Cadmium Transporting P-Type Atpase	Miscellaneous
HAP2	YGL237C	No	Subunit Of The Hap2P/3P/4P/5P Ccaat-Binding Complex	Transcription From Rna Polymerase Ii Promoter
IML2	YJL082W	No	Protein Of Unknown Function	Biological_Process
YIP5	YGL161C	No	Protein That Interacts With Rab Gtpases	Biological_Process
PMP1	YCR024C-A	No	Regulatory Subunit For The Plasma Membrane H(+)-Atpase Pma1P	Miscellaneous
CCW12	YLR110C	No	Cell Wall Mannoprotein	Response To Chemical
UBX6	YJL048C	No	Ubx (Ubiquitin Regulatory X) Domain-Containing Protein	Proteolysis Involved In Cellular Protein Catabolic Process
XRN1	YJL173C	No	Evolutionarily-Conserved 5'-3' Exonuclease	Transcription From Rna Polymerase Ii Promoter
ELO2	YCR034W	No	Fatty Acid Elongase, Involved In Sphingolipid Biosynthesis	Lipid Metabolic Process
	YIL029C	No	Putative Protein Of Unknown Function	Biological_Process
UBC8	YEL012W	No	Ubiquitin-Conjugating Enzyme That Regulates Gluconeogenesis	Protein Modification By Small Protein Conjugation Or Removal
SLX8	YER116C	No	Subunit Of Slx5-Slx8 Sumo-Targeted Ubiquitin Ligase (Stub1) Complex	Cellular Response To DNA Damage Stimulus
RAD18	YCR066W	No	E3 Ubiquitin Ligase	Cellular Response To DNA Damage Stimulus
CDC53	YDL132W	Yes	Cullin	Mitotic Cell Cycle
TDA3	YHR009C	No	Putative Oxidoreductase Involved In Late Endosome To Golgi Transport	Miscellaneous
UBP3	YER151C	No	Ubiquitin-Specific Protease Involved In Transport And Osmotic Response	Protein Modification By Small Protein Conjugation Or Removal
	YCR087C-A	No	Putative Protein Of Unknown Function	Biological_Process
UBC1	YDR177W	Yes	Ubiquitin-Conjugating Enzyme	Protein Modification By Small Protein Conjugation Or Removal
OPI3	YJR073C	No	Methylene-Fatty-Acyl-Phospholipid Synthase	Lipid Metabolic Process
BCK2	YER167W	No	Serine/Threonine-Rich Protein Involved In Pkc1 Signaling Pathway	Mitotic Cell Cycle
RAD26	YJR035W	No	Protein Involved In Transcription-Coupled Nucleotide Excision Repair	Chromatin Organization
POL3	YDL102W	Yes	Catalytic Subunit Of DNA Polymerase Delta	Miscellaneous
BAS1	YKR099W	No	Myb-Related Transcription Factor	Transcription From Rna Polymerase Ii Promoter
FET3	YMR058W	No	Ferro-O2-Oxidoreductase	Response To Chemical
BUG1	YDL099W	No	Cis-Golgi Localized Protein Involved In Er To Golgi Transport	Golgi Vesicle Transport
RPB5	YBR154C	Yes	Rna Polymerase Subunit Abc27	Transcription From Rna Polymerase Ii Promoter
TSR2	YLR435W	No	Protein With A Potential Role In Pre-Rrna Processing	Miscellaneous
BIM1	YER016W	No	Microtubule Plus End-Tracking Protein	Mitotic Cell Cycle
RPL35B	YDL136W	No	Ribosomal 60S Subunit Protein L35B	Miscellaneous
APC2	YLR127C	Yes	Subunit Of The Anaphase-Promoting Complex/Cyclosome (Apc/C)	Mitotic Cell Cycle
	YNR065C	No	Protein Of Unknown Function	Biological_Process
SPT20	YOL148C	No	Subunit Of The Saga Transcriptional Regulatory Complex	Chromatin Organization
DOM34	YNL001W	No	Protein That Facilitates Ribosomal Subunit Dissociation	Miscellaneous
SMT3	YDR510W	Yes	Ubiquitin-Like Protein Of The Sumo Family	Protein Modification By Small Protein Conjugation Or Removal
JHD2	YJR119C	No	JmjC Domain Family Histone Demethylase	Chromatin Organization
RRN10	YBL025W	No	Protein Involved In Promoting High Level Transcription Of RDNA	Miscellaneous
SIW14	YNL032W	No	Tyrosine Phosphatase Involved In Actin Organization And Endocytosis	Cytoskeleton Organization
RSC4	YKR008W	Yes	Component Of The Rsc Chromatin Remodeling Complex	Transcription From Rna Polymerase Ii Promoter
OAF1	YAL051W	No	Oleate-Activated Transcription Factor	Transcription From Rna Polymerase Ii Promoter
TIM13	YGR181W	No	Mitochondrial Intermembrane Space Protein	Protein Targeting
SCJ1	YMR214W	No	One Of Several Homologs Of Bacterial Chaperone DnaJ	Response To Chemical
MRT4	YKL009W	No	Protein Involved In Mrna Turnover And Ribosome Assembly	Miscellaneous
ERV46	YAL042W	No	Protein Localized To Copii-Coated Vesicles	Golgi Vesicle Transport
FVY8	YGR196C	No	Protein Of Unknown Function	Biological_Process
ESC1	YMR219W	No	Protein Localized To The Nuclear Periphery	Miscellaneous
	YKL023W	No	Putative Protein Of Unknown Function	Biological_Process
DRS2	YAL026C	No	Trans-Golgi Network Aminophospholipid Translocase (Flippase)	Golgi Vesicle Transport
PCT1	YGR202C	No	Cholinephosphate Cytidylyltransferase	Lipid Metabolic Process
RPS10B	YMR230W	No	Protein Component Of The Small (40S) Ribosomal Subunit	Miscellaneous
AIM26	YKL037W	No	Putative Protein Of Unknown Function	Miscellaneous
ATS1	YAL020C	No	Protein Required For Modification Of Wobble Nucleosides In Trna	Cytoskeleton Organization
CCH1	YGR217W	No	Voltage-Gated High-Affinity Calcium Channel	Miscellaneous
CUE1	YMR264W	No	Ubiquitin-Binding Protein	Proteolysis Involved In Cellular Protein Catabolic Process

NUP100	YKL068W	No	Fg-Nucleoporin Component Of Central Core Of The Nuclear Pore Complex	Protein Targeting
ERP2	YAL007C	No	Member Of The P24 Family Involved In Er To Golgi Transport	Golgi Vesicle Transport
RIM101	YHL027W	No	Cys2His2 Zinc-Finger Transcriptional Repressor	Transcription From Rna Polymerase Ii Promoter
BUL1	YMR275C	No	Ubiquitin-Binding Component Of The Rsp5P E3-Ubiquitin Ligase Complex	Protein Modification By Small Protein Conjugation Or Removal
CUE2	YKL090W	No	Protein Of Unknown Function	Biological_Process
DNM1	YLL001W	No	Dynamin-Related Gtpase Involved In Mitochondrial Organization	Organelle Fission
SLT2	YHR030C	No	Serine/Threonine Map Kinase	Response To Chemical
GOT1	YMR292W	No	Homodimeric Protein That Is Packaged Into Copii Vesicles	Golgi Vesicle Transport
OAC1	YKL120W	No	Mitochondrial Inner Membrane Transporter	Miscellaneous
VPS13	YLL040C	No	Protein Of Unknown Function	Meiotic Cell Cycle
IRE1	YHR079C	No	Serine-Threonine Kinase And Endoribonuclease	Response To Chemical
FIG4	YNL325C	No	Phosphatidylinositol 3,5-Bisphosphate (Ptdins[3,5]P) Phosphatase	Lipid Metabolic Process
COY1	YKL179C	No	Golgi Membrane Protein With Similarity To Mammalian Casp	Golgi Vesicle Transport
ERG3	YLR056W	No	C-5 Sterol Desaturase	Lipid Metabolic Process
ARP1	YHR129C	No	Actin-Related Protein Of The Dynactin Complex	Mitotic Cell Cycle
CLA4	YNL298W	No	Cdc42P-Activated Signal Transducing Kinase	Mitotic Cell Cycle
UPF3	YGR072W	No	Component Of The Nonsense-Mediated Mrna Decay (Nmd) Pathway	Protein Modification By Small Protein Conjugation Or Removal
IOC2	YLR095C	No	Subunit Of The Isw1B Complex	Chromatin Organization
KEL1	YHR158C	No	Protein Required For Proper Cell Fusion And Cell Morphology	Mitotic Cell Cycle
BNI1	YNL271C	No	Formin	Mitotic Cell Cycle
SRB5	YGR104C	No	Subunit Of The Rna Polymerase Ii Mediator Complex	Transcription From Rna Polymerase Ii Promoter
RPS1B	YML063W	No	Ribosomal Protein 10 (Rp10) Of The Small (40S) Subunit	Miscellaneous
SKN7	YHR206W	No	Nuclear Response Regulator And Transcription Factor	Transcription From Rna Polymerase Ii Promoter
SLG1	YOR008C	No	Sensor-Transducer Of The Stress-Activated Pkc1-Mpk1 Kinase Pathway	Signaling
INP53	YOR109W	No	Polyphosphatidylinositol Phosphatase	Lipid Metabolic Process
AMD1	YML035C	No	Amp Deaminase	Miscellaneous
STE50	YCL032W	No	Protein Involved In Mating Response	Response To Chemical
EXO1	YOR033C	No	5'-3' Exonuclease And Flap-Endonuclease	Cellular Response To DNA Damage Stimulus
SFL1	YOR140W	No	Transcriptional Repressor And Activator	Transcription From Rna Polymerase Ii Promoter
PPZ1	YML016C	No	Serine/Threonine Protein Phosphatase Z, Isoform Of Ppz2P	Miscellaneous
MRC1	YCL061C	No	S-Phase Checkpoint Protein Required For DNA Replication	Mitotic Cell Cycle
STD1	YOR047C	No	Protein Involved In Control Of Glucose-Regulated Gene Expression	Transcription From Rna Polymerase Ii Promoter
GAC1	YOR178C	No	Regulatory Subunit For Glc7P Type-1 Protein Phosphatase (Pp1)	Transcription From Rna Polymerase Ii Promoter
LIF1	YGL090W	No	Component Of The DNA Ligase Iv Complex	Cellular Response To DNA Damage Stimulus
RPL16B	YNL069C	No	Ribosomal 60S Subunit Protein L16B	Miscellaneous
GCN20	YFR009W	No	Positive Regulator Of The Gcn2P Kinase Activity	Miscellaneous
ATP11	YNL315C	No	Molecular Chaperone	Protein Complex Biogenesis
SIN4	YNL236W	No	Subunit Of The Rna Polymerase Ii Mediator Complex	Transcription From Rna Polymerase Ii Promoter
VAC7	YNL054W	No	Integral Vacuolar Membrane Protein	Lipid Metabolic Process
RPL2A	YFR031C-A	No	Ribosomal 60S Subunit Protein L2A	Miscellaneous
PNT1	YOR266W	No	Mitochondrial Integral Inner Membrane Protein	Miscellaneous
ELA1	YNL230C	No	Elongin A	Protein Modification By Small Protein Conjugation Or Removal
HOS4	YIL112W	No	Subunit Of The Set3 Complex	Chromatin Organization
RTT102	YGR275W	No	Component Of Both The Swi/Snf And Rsc Chromatin Remodeling Complexes	Transcription From Rna Polymerase Ii Promoter
IRC15	YPL017C	No	Microtubule Associated Protein	Mitotic Cell Cycle
ALG9	YNL219C	No	Mannosyltransferase, Involved In N-Linked Glycosylation	Carbohydrate Metabolic Process
RPL16A	YIL133C	No	Ribosomal 60S Subunit Protein L16A	Miscellaneous
GPT2	YKR067W	No	Glycerol-3-Phosphate/Dihydroxyacetone Phosphate Sn-1 Acyltransferase	Lipid Metabolic Process
FAB1	YFR019W	No	1-Phosphatidylinositol-3-Phosphate 5-Kinase	Lipid Metabolic Process
PSY2	YNL201C	No	Subunit Of Protein Phosphatase Pp4 Complex	Cellular Response To DNA Damage Stimulus
RRD1	YIL153W	No	Peptidyl-Prolyl Cis/Trans-Isomerase	Transcription From Rna Polymerase Ii Promoter
KAR5	YMR065W	No	Protein Required For Nuclear Membrane Fusion During Karyogamy	Miscellaneous
BNI5	YNL166C	No	Protein Involved In Organization Of Septins At The Mother-Bud Neck	Protein Complex Biogenesis
AIM21	YIR003W	No	Protein Of Unknown Function	Miscellaneous
CTF18	YMR078C	No	Subunit Of A Complex With Ctf8P	Mitotic Cell Cycle
YME1	YPR024W	No	Catalytic Subunit Of The I-Aaa Protease Complex	Protein Targeting
TRP3	YKL211C	No	Indole-3-Glycerol-Phosphate Synthase	Miscellaneous
TOM7	YNL070W	No	Component Of The Tom (Translocase Of Outer Membrane) Complex	Protein Targeting
MDY2	YOL111C	No	Protein Involved In Inserting Tail-Anchored Proteins Into Er Membranes	Response To Chemical
RXT2	YBR095C	No	Component Of The Histone Deacetylase Rpd3L Complex	Transcription From Rna Polymerase Ii Promoter
UTH1	YKR042W	No	Mitochondrial Inner Membrane Protein	Chromatin Organization
PHO23	YNL097C	No	Component Of The Rpd3L Histone Deacetylase Complex	Transcription From Rna Polymerase Ii Promoter
RAD51	YER095W	No	Strand Exchange Protein	Organelle Fission
AGP2	YBR132C	No	Plasma Membrane Regulator Of Polyamine And Carnitine Transport	Miscellaneous
PEX5	YDR244W	No	Peroxisomal Membrane Signal Receptor For Peroxisomal Matrix Proteins	Protein Complex Biogenesis
MDM34	YGL219C	No	Mitochondrial Component Of The Ermes Complex	Miscellaneous
ELP6	YMR312W	No	Subunit Of Hexameric Reca-Like Atpase Elp456 Elongator Subcomplex	Transcription From Rna Polymerase Ii Promoter
NPL4	YBR170C	No	Substrate-Recruiting Cofactor Of The Cdc48P-Npl4P-Ufd1P Segregase	Mitotic Cell Cycle
RNH202	YDR279W	No	Ribonuclease H2 Subunit	Miscellaneous
MNN4	YKL201C	No	Putative Positive Regulator Of Mannosylphosphate Transferase Mnn6P	Carbohydrate Metabolic Process
NUP188	YML103C	No	Subunit Of The Inner Ring Of The Nuclear Pore Complex (Npc)	Protein Targeting

STP4	YDL048C	No	Protein Containing A Kruppel-Type Zinc-Finger Domain	Biological_Process
SSF2	YDR312W	No	Protein Required For Ribosomal Large Subunit Maturation	Miscellaneous
RPL19A	YBR084C-A	No	Ribosomal 60S Subunit Protein L19A	Miscellaneous
MSC1	YML128C	No	Protein Of Unknown Function	Organelle Fission
RXT3	YDL076C	No	Component Of The Rpd3L Histone Deacetylase Complex	Miscellaneous
IRC3	YDR332W	No	Putative Rna Helicase Of The Deah/D-Box Family	Biological_Process
HSM3	YBR272C	No	Proteasome-Interacting Protein	Cellular Response To DNA Damage Stimulus
ASC1	YMR116C	No	G-Protein Beta Subunit And Guanine Dissociation Inhibitor For Gpa2P	Response To Chemical
PMT5	YDL093W	No	Protein O-Mannosyltransferase	Carbohydrate Metabolic Process
REV1	YOR346W	No	Deoxycytidyl Transferase	Cellular Response To DNA Damage Stimulus
DAS1	YJL149W	No	Putative Scf Ubiquitin Ligase F-Box Protein	Proteolysis Involved In Cellular Protein Catabolic Process
ISW1	YBR245C	No	Atpase Subunit Of Imitation-Switch (Iswi) Class Chromatin Remodelers	Transcription From Rna Polymerase Ii Promoter
RLM1	YPL089C	No	Mads-Box Transcription Factor	Transcription From Rna Polymerase Ii Promoter
GDS1	YOR355W	No	Protein Of Unknown Function	Miscellaneous
RPB4	YJL140W	No	Rna Polymerase Ii Subunit B32	Transcription From Rna Polymerase Ii Promoter
RGD1	YBR260C	No	Gtpase-Activating Protein (Rhogap) For Rho3P And Rho4P	Response To Chemical
RPL21B	YPL079W	No	Ribosomal 60S Subunit Protein L21B	Miscellaneous
RAD17	YOR368W	No	Checkpoint Protein	Cellular Response To DNA Damage Stimulus
LCB3	YJL134W	No	Long-Chain Base-1-Phosphate Phosphatase	Signaling
YOS9	YDR057W	No	Er Quality-Control Lectin	Response To Chemical
	YPL068C	No	Protein Of Unknown Function	Biological_Process
SIN3	YOL004W	No	Component Of Both The Rpd3S And Rpd3L Histone Deacetylase Complexes	Transcription From Rna Polymerase Ii Promoter
FKS1	YLR342W	No	Catalytic Subunit Of 1,3-Beta-D-Glucan Synthase	Carbohydrate Metabolic Process
IPT1	YDR072C	No	Inositolphosphotransferase	Lipid Metabolic Process
SGF11	YPL047W	No	Integral Subunit Of Saga Histone Acetyltransferase Complex	Transcription From Rna Polymerase Ii Promoter
HRD1	YOL013C	No	Ubiquitin-Protein Ligase	Response To Chemical
NMD4	YLR363C	No	Protein That May Be Involved In Nonsense-Mediated Mrna Decay	Miscellaneous
RRP8	YDR083W	No	Nucleolar S-Adenosylmethionine-Dependent Rrna Methyltransferase	Miscellaneous
RAD1	YPL022W	No	Single-Stranded DNA Endonuclease (With Rad10P)	Cellular Response To DNA Damage Stimulus
OPI10	YOL032W	No	Protein With A Possible Role In Phospholipid Biosynthesis	Carbohydrate Metabolic Process
CTF3	YLR381W	No	Outer Kinetochore Protein That Forms A Complex With Mcm16P And Mcm22P	Mitotic Cell Cycle
TRS85	YDR108W	No	Subunit Of Trappiii (Transport Protein Particle)	Organelle Fission
CLB5	YPR120C	No	B-Type Cyclin Involved In DNA Replication During S Phase	Mitotic Cell Cycle
PRS5	YOL061W	No	5-Phospho-Ribosyl-1(Alpha)-Pyrophosphate Synthetase	Miscellaneous
VIP1	YLR410W	No	Inositol Hexakisphosphate And Inositol Heptakisphosphate Kinase	Miscellaneous
MTC5	YDR128W	No	Subunit Of The Sea (Seh1-Associated) Complex	Biological_Process
MMS1	YPR164W	No	Subunit Of E3 Ubiquitin Ligase Complex Involved In Replication Repair	Cellular Response To DNA Damage Stimulus
KAR9	YPL269W	No	Karyogamy Protein	Cytoskeleton Organization
ARV1	YLR242C	No	Cortical Er Protein	Lipid Metabolic Process
VPS74	YDR372C	No	Golgi Phosphatidylinositol-4-Kinase Effector And Ptdins4P Sensor	Response To Chemical
SAP155	YFR040W	No	Protein Required For Function Of The Sit4P Protein Phosphatase	Mitotic Cell Cycle
ALG5	YLR227C	No	Udp-Glucose:Dolichyl-Phosphate Glucosyltransferase	Carbohydrate Metabolic Process
	YLR278C	No	Zinc-Cluster Protein	Biological_Process
SPT3	YDR392W	No	Subunit Of The Saga And Saga-Like Transcriptional Regulatory Complexes	Transcription From Rna Polymerase Ii Promoter
SLA1	YBL007C	No	Cytoskeletal Protein Binding Protein	Protein Complex Biogenesis
PRM3	YPL192C	No	Protein Required For Nuclear Envelope Fusion During Karyogamy	Miscellaneous
EST2	YLR318W	No	Reverse Transcriptase Subunit Of The Telomerase Holoenzyme	Miscellaneous
CAD1	YDR423C	No	Ap-1-Like Basic Leucine Zipper (Bzip) Transcriptional Activator	Transcription From Rna Polymerase Ii Promoter
HEK2	YBL032W	No	Rna Binding Protein Involved In Asymmetric Localization Of Ash1 Mrna	Miscellaneous
COX10	YPL172C	No	Heme A:Farnesyltransferase	Miscellaneous
	YDR161W	No	Putative Protein Of Unknown Function	Proteolysis Involved In Cellular Protein Catabolic Process
RAD23	YEL037C	No	Protein With Ubiquitin-Like N Terminus	Proteolysis Involved In Cellular Protein Catabolic Process
SEF1	YBL066C	No	Putative Transcription Factor	Biological_Process
	YPL150W	No	Protein Kinase Of Unknown Cellular Role	Protein Phosphorylation
PLP1	YDR183W	No	Protein That Interacts With Cct (Chaperonin Containing Tcp-1) Complex	Transcription From Rna Polymerase Ii Promoter
HAT2	YEL056W	No	Subunit Of The Hat1P-Hat2P Histone Acetyltransferase Complex	Chromatin Organization
ALG3	YBL082C	No	Dolichol-P-Man Dependent Alpha(1-3) Mannosyltransferase	Lipid Metabolic Process
CHS6	YJL099W	No	Member Of The Chaps (Chs5P-Arf1P-Binding Proteins) Family	Carbohydrate Metabolic Process
HUL5	YGL141W	No	Multiubiquitin Chain Assembly Factor (E4)	Protein Complex Biogenesis
CTP1	YBR291C	No	Mitochondrial Inner Membrane Citrate Transporter	Miscellaneous
NCS6	YGL211W	No	Protein Required For Uridine Thiolation Of Gln, Lys, And Glu Trnas	Protein Modification By Small Protein Conjugation Or Removal
BCK1	YJL095W	No	Mapkkk Acting In The Protein Kinase C Signaling Pathway	Response To Chemical
NUT1	YGL151W	No	Component Of The Rna Polymerase Ii Mediator Complex	Transcription From Rna Polymerase Ii Promoter
MAL31	YBR298C	No	Maltose Permease	Miscellaneous
YNG2	YHR090C	No	Subunit Of Nua4, An Essential Histone Acetyltransferase Complex	Chromatin Organization
JEM1	YJL073W	No	DNAj-Like Chaperone Required For Nuclear Membrane Fusion During Mating	Proteolysis Involved In Cellular Protein Catabolic Process
RAD54	YGL163C	No	DNA-Dependent Atpase That Stimulates Strand Exchange	Chromatin Organization
NPP1	YCR026C	No	Nucleotide Pyrophosphatase/Phosphodiesterase	Miscellaneous
SPP1	YPL138C	No	Subunit Of Compass (Set1C)	Chromatin Organization
RTT101	YJL047C	No	Cullin Subunit Of A Roc1P-Dependent E3 Ubiquitin Ligase Complex	Mitotic Cell Cycle
BUD13	YGL174W	No	Subunit Of The Res Complex	Mitotic Cell Cycle

RBK1	YCR036W	No	Putative Ribokinase	Carbohydrate Metabolic Process
PEX2	YJL210W	No	Ring-Finger Peroxin And E3 Ubiquitin Ligase	Protein Targeting
YPT31	YER031C	No	Rab Family Gtpase	Golgi Vesicle Transport
SCS2	YER120W	No	Integral Er Membrane Protein, Regulates Phospholipid Metabolism	Protein Targeting
IMG2	YCR071C	No	Mitochondrial Ribosomal Protein Of The Large Subunit	Miscellaneous
RPO21	YDL140C	Yes	Rna Polymerase Ii Largest Subunit B220	Transcription From Rna Polymerase Ii Promoter
THR1	YHR025W	No	Homoserine Kinase	Miscellaneous
BEM2	YER155C	No	Rho Gtpase Activating Protein (Rhogap)	Signaling
BBC1	YJL020C	No	Protein Possibly Involved In Assembly Of Actin Patches	Cytoskeleton Organization
ABF1	YKL112W	Yes	DNA Binding Protein With Possible Chromatin-Reorganizing Activity	Transcription From Rna Polymerase Ii Promoter
HOC1	YJR075W	No	Alpha-1,6-Mannosyltransferase	Carbohydrate Metabolic Process
RAD24	YER173W	No	Checkpoint Protein	Cellular Response To Dna Damage Stimulus
HUL4	YJR036C	No	Protein With Similarity To Hect Domain E3 Ubiquitin-Protein Ligases	Protein Modification By Small Protein Conjugation Or Removal
TFA2	YKR062W	Yes	Tfiie Small Subunit	Transcription From Rna Polymerase Ii Promoter
SKG1	YKR100C	No	Transmembrane Protein With A Role In Cell Wall Polymer Composition	Miscellaneous
TOR1	YJR066W	No	Pik-Related Protein Kinase And Rapamycin Target	Cellular Response To Dna Damage Stimulus
GET3	YDL100C	No	Guanine Nucleotide Exchange Factor For Gpa1P	Response To Chemical
CDC28	YBR160W	Yes	Cyclin-Dependent Kinase (Cdk) Catalytic Subunit	Transcription From Rna Polymerase Ii Promoter
ECM30	YLR436C	No	Putative Protein Of Unknown Function	Biological_Process
LTE1	YAL024C	No	Protein Similar To Gdp/Gtp Exchange Factors	Mitotic Cell Cycle
CRD1	YDL142C	No	Cardiolipin Synthase	Lipid Metabolic Process
TAF11	YML015C	Yes	Tfiid Subunit (40 Kda)	Transcription From Rna Polymerase Ii Promoter
HAM1	YJR069C	No	Nucleoside Triphosphate Pyrophosphohydrolase	Miscellaneous
GSM1	YJL103C	No	Putative Zinc Cluster Protein Of Unknown Function	Transcription From Rna Polymerase Ii Promoter
ASI3	YNL008C	No	Putative Integral Membrane E3 Ubiquitin Ligase	Proteolysis Involved In Cellular Protein Catabolic Process
RBA50	YDR527W	Yes	Protein Involved In Transcription	Transcription From Rna Polymerase Ii Promoter
ENT3	YJR125C	No	Protein Containing An N-Terminal Epsin-Like Domain	Cytoskeleton Organization
GET1	YGL020C	No	Subunit Of The Get Complex	Golgi Vesicle Transport
IDH1	YNL037C	No	Subunit Of Mitochondrial Nad(+)-Dependent Isocitrate Dehydrogenase	Miscellaneous
RSP5	YER125W	Yes	E3 Ubiquitin Ligase Of The Nedd4 Family	Transcription From Rna Polymerase Ii Promoter
RPS4A	YJR145C	No	Protein Component Of The Small (40S) Ribosomal Subunit	Miscellaneous
GRR1	YJR090C	No	F-Box Protein Component Of An Scf Ubiquitin-Ligase Complex	Mitotic Cell Cycle
ATP23	YNR020C	No	Putative Metalloprotease Of The Mitochondrial Inner Membrane	Protein Complex Biogenesis
CDC36	YDL165W	Yes	Component Of The Kinetochore-Associated Ndc80 Complex	Transcription From Rna Polymerase Ii Promoter
CLN3	YAL040C	No	G1 Cyclin Involved In Cell Cycle Progression	Transcription From Rna Polymerase Ii Promoter
SGN1	YGR197C	No	Protein Involved In Resistance To Nitrosoguanidine And 6-Azaauracil	Miscellaneous
UBP8	YMR223W	No	Ubiquitin-Specific Protease Component Of The Saga Acetylation Complex	Chromatin Organization
PAN3	YKL025C	No	Essential Subunit Of The Pan2P-Pan3P Poly(A)-Ribonuclease Complex	Cellular Response To Dna Damage Stimulus
YCH1	YGR203W	No	Phosphatase With Sequence Similarity To Cdc25P	Miscellaneous
PEP5	YMR231W	No	Histone E3 Ligase, Component Of Corvet Tethering Complex	Chromatin Organization
VPS24	YKL041W	No	One Of Four Subunits Of The Escrt-Iii Complex	Proteolysis Involved In Cellular Protein Catabolic Process
FUN30	YAL019W	No	Snf2P Family Member With Atp-Dependent Chromatin Remodeling Activity	Chromatin Organization
RPL8A	YHL033C	No	Ribosomal 60S Subunit Protein L8A	Miscellaneous
RSN1	YMR266W	No	Membrane Protein Of Unknown Function	Golgi Vesicle Transport
LHS1	YKL073W	No	Molecular Chaperone Of The Endoplasmic Reticulum Lumen	Response To Chemical
VPS8	YAL002W	No	Membrane-Binding Component Of The Corvet Complex	Protein Targeting
NPR3	YHL023C	No	Subunit Of Sea (Seh1-Associated), Npr2/3, And Iml1P Complexes	Organelle Fission
CAT8	YMR280C	No	Zinc Cluster Transcriptional Activator	Transcription From Rna Polymerase Ii Promoter
BUD2	YKL092C	No	Gtpase Activating Factor For Rsr1P/Bud1P	Mitotic Cell Cycle
RTT109	YLL002W	No	Histone Acetyltransferase	Transcription From Rna Polymerase Ii Promoter
RRM3	YHR031C	No	Dna Helicase Involved In Rdna Replication And Ty1 Transposition	Miscellaneous
JNM1	YMR294W	No	Component Of The Yeast Dynactin Complex	Mitotic Cell Cycle
DGR2	YKL121W	No	Protein Of Unknown Function	Biological_Process
FPS1	YLL043W	No	Aquaglyceroporin, Plasma Membrane Channel	Response To Chemical
LRP1	YHR081W	No	Nuclear Exosome-Associated Nucleic Acid Binding Protein	Miscellaneous
LEM3	YNL323W	No	Membrane Protein Of The Plasma Membrane And Er	Signaling
ASH1	YKL185W	No	Component Of The Rpd3L Histone Deacetylase Complex	Transcription From Rna Polymerase Ii Promoter
SIC1	YLR079W	No	Cyclin-Dependent Kinase Inhibitor (Cki)	Mitotic Cell Cycle
WSS1	YHR134W	No	Sumoylated Protein Localizing To The Nuclear Periphery Of Mother Cells	Cellular Response To Dna Damage Stimulus
SNN1	YNL086W	No	Subunit Of The Bloc-1 Complex Involved In Endosomal Maturation	Miscellaneous
PEX8	YGR077C	No	Intraperoxisomal Organizer Of The Peroxisomal Import Machinery	Protein Targeting
KIN2	YLR096W	No	Serine/Threonine Protein Kinase Involved In Regulation Of Exocytosis	Protein Phosphorylation
THP2	YHR167W	No	Subunit Of The Tho And Trex Complexes	Transcription From Rna Polymerase Ii Promoter
ALP1	YNL270C	No	Arginine Transporter	Miscellaneous
VMA21	YGR105W	No	Integral Membrane Protein Required For V-Atpase Function	Protein Complex Biogenesis
MFT1	YML062C	No	Subunit Of The Tho Complex	Transcription From Rna Polymerase Ii Promoter
SET5	YHR207C	No	Methyltransferase Involved In Methylation Of Histone H4 Lys5, -8, -12	Chromatin Organization
RTS1	YOR014W	No	B-Type Regulatory Subunit Of Protein Phosphatase 2A (Pp2A)	Mitotic Cell Cycle
CEX1	YOR112W	No	Component Of The Nuclear Aminoacylation-Dependent Trna Export Pathway	Miscellaneous
SRC1	YML034W	No	Inner Nuclear Membrane Protein	Mitotic Cell Cycle
MXR2	YCL033C	No	Methionine-R-Sulfoxide Reductase	Response To Chemical

AKR2	YOR034C	No	Ankyrin Repeat-Containing Protein	Miscellaneous
ARP8	YOR141C	No	Nuclear Actin-Related Protein Involved In Chromatin Remodeling	Chromatin Organization
UBX2	YML013W	No	Bridging Factor Involved In Er-Associated Protein Degradation (Erad)	Proteolysis Involved In Cellular Protein Catabolic Process
SAT4	YCR008W	No	Ser/Thr Protein Kinase Involved In Salt Tolerance	Mitotic Cell Cycle
ASE1	YOR058C	No	Mitotic Spindle Midzone-Localized Microtubule Bundling Protein	Mitotic Cell Cycle
SER1	YOR184W	No	3-Phosphoserine Aminotransferase	Miscellaneous
	YMR010W	No	Putative Protein Of Unknown Function	Biological_Process
MAK31	YCR020C-A	No	Non-Catalytic Subunit Of N-Terminal Acetyltransferase Of The Natc Type	Miscellaneous
VPS5	YOR069W	No	Nexin-1 Homolog	Miscellaneous
SAS5	YOR213C	No	Subunit Of The Sas Complex (Sas2P, Sas4P, Sas5P)	Miscellaneous
BNI4	YNL233W	No	Targeting Subunit For Glc7P Protein Phosphatase	Miscellaneous
SLM1	YIL105C	No	Phosphoinositide Pi4,5P(2) Binding Protein, Forms A Complex With Slm2P	Signaling
APL6	YGR261C	No	Beta3-Like Subunit Of The Yeast Ap-3 Complex	Protein Targeting
PAC1	YOR269W	No	Involved In Nuclear Migration, Part Of The Dynein/Dynactin Pathway	Miscellaneous
URE2	YNL229C	No	Nitrogen Catabolite Repression Transcriptional Regulator	Response To Chemical
RP11	YIL119C	No	Transcription Factor, Allelic Differences Between S288C And Sigma1278B	Transcription From Rna Polymerase Ii Promoter
ERV29	YGR284C	No	Protein Localized To Copii-Coated Vesicles	Golgi Vesicle Transport
GPA1	YHR005C	Yes	Subunit Of The G Protein Involved In Pheromone Response	Response To Chemical
MG51	YNL218W	No	Protein With DNA-Dependent Atpase And SsDNA Annealing Activities	Cellular Response To DNA Damage Stimulus
FLX1	YIL134W	No	Protein Required For Transport Of Flavin Adenine Dinucleotide (Fad)	Miscellaneous
SIS2	YKR072C	No	Negative Regulatory Subunit Of Protein Phosphatase 1 (Ppz1P)	Mitotic Cell Cycle
SET4	YIL105W	No	Protein Of Unknown Function, Contains A Set Domain	Biological_Process
GCR2	YNL199C	No	Transcriptional Activator Of Genes Involved In Glycolysis	Transcription From Rna Polymerase Ii Promoter
IMP2'	YIL154C	No	Transcriptional Activator Involved In Maintenance Of Ion Homeostasis	Transcription From Rna Polymerase Ii Promoter
UBX4	YMR067C	No	Ubx Domain-Containing Protein That Interacts With Cdc48P	Proteolysis Involved In Cellular Protein Catabolic Process
SIR3	YLR442C	No	Silencing Protein	Chromatin Organization
YCK2	YNL154C	No	Palmitoylated Plasma Membrane-Bound Casein Kinase I Isoform	Response To Chemical
IST3	YIR005W	No	Component Of The U2 Snrnp	Miscellaneous
NAM7	YMR080C	No	Atp-Dependent Rna Helicase Of The Sfi Superfamily	Protein Modification By Small Protein Conjugation Or Removal
NTO1	YPR031W	No	Subunit Of The Nua3 Histone Acetyltransferase Complex	Chromatin Organization
SAC1	YKL212W	No	Phosphatidylinositol Phosphate (Ptdinsp) Phosphatase	Lipid Metabolic Process
LAT1	YNL071W	No	Dihydroipoamide Acetyltransferase Component (E2) Of The Pdc	Miscellaneous
PAP2	YOL115W	No	Non-Canonical Poly(A) Polymerase	Cellular Response To DNA Damage Stimulus
SIF2	YBR103W	No	Wd40 Repeat-Containing Subunit Of Set3C Histone Deacetylase Complex	Chromatin Organization
SHB17	YKR043C	No	Sedoheptulose Bisphosphatase Involved In Riboneogenesis	Miscellaneous
OCA1	YNL099C	No	Putative Protein Tyrosine Phosphatase	Response To Chemical
UBP9	YER098W	No	Ubiquitin-Specific Protease That Cleaves Ubiquitin-Protein Fusions	Protein Modification By Small Protein Conjugation Or Removal
BMT2	YBR141C	No	Nucleolar S-Adenosylmethionine-Dependent Rna Methyltransferase	Biological_Process
CHL4	YDR254W	No	Outer Kinetochore Protein Required For Chromosome Stability	Mitotic Cell Cycle
ORM1	YGR038W	No	Protein Of Unknown Function	Response To Chemical
COG8	YML071C	No	Component Of The Conserved Oligomeric Golgi Complex	Protein Targeting
SEC66	YBR171W	No	Non-Essential Subunit Of Sec63 Complex	Protein Targeting
RTT103	YDR289C	No	Protein Involved In Transcription Termination By Rna Polymerase Ii	Cellular Response To DNA Damage Stimulus
EA1P1	YKL204W	No	Eif4E-Associated Protein, Competes With Eif4G For Binding To Eif4E	Miscellaneous
PML39	YML107C	No	Protein Required For Nuclear Retention Of Unspliced Pre-Mrnas	Miscellaneous
LHP1	YDL051W	No	Rna Binding Protein Required For Maturation Of Trna And U6 Snrna	Miscellaneous
PIB1	YDR313C	No	Ring-Type Ubiquitin Ligase Of The Endosomal And Vacuolar Membranes	Protein Modification By Small Protein Conjugation Or Removal
ASI1	YMR119W	No	Putative Integral Membrane E3 Ubiquitin Ligase	Proteolysis Involved In Cellular Protein Catabolic Process
MVP1	YMR004W	No	Protein Required For Sorting Proteins To The Vacuole	Protein Targeting
THI3	YDL080C	No	Regulatory Protein That Binds Pdc2P And Thi2P Transcription Factors	Transcription From Rna Polymerase Ii Promoter
SWR1	YDR334W	No	Swi2/Snf2-Related Atpase	Chromatin Organization
RIF1	YBR275C	No	Protein That Binds To The Rap1P C-Terminus	Cellular Response To DNA Damage Stimulus
RPL15B	YMR121C	No	Ribosomal 60S Subunit Protein L15B	Miscellaneous
PMT1	YDL095W	No	Protein O-Mannosyltransferase Of The Er Membrane	Response To Chemical
CKA1	YIL035C	No	Alpha Catalytic Subunit Of Casein Kinase 2 (Ck2)	Cellular Response To DNA Damage Stimulus
THR4	YCR053W	No	Threonine Synthase	Miscellaneous
DSS4	YPR017C	No	Guanine Nucleotide Dissociation Stimulator For Sec4P	Golgi Vesicle Transport
STP1	YDR463W	No	Transcription Factor	Transcription From Rna Polymerase Ii Promoter
HAP5	YOR358W	No	Subunit Of The Hap2P/3P/4P/5P Ccaat-Binding Complex	Transcription From Rna Polymerase Ii Promoter
YUR1	YJL139C	No	Mannosyltransferase Involved In Protein N-Glycosylation	Carbohydrate Metabolic Process
SLM6	YBR266C	No	Protein With A Potential Role In Actin Cytoskeleton Organization	Miscellaneous
UBP16	YPL072W	No	Deubiquitinating Enzyme Anchored To The Outer Mitochondrial Membrane	Protein Modification By Small Protein Conjugation Or Removal
GPB1	YOR371C	No	Multistep Regulator Of Camp-Pka Signaling	Response To Chemical
PEX30	YLR324W	No	Peroxisomal Integral Membrane Protein	Miscellaneous
UBC5	YDR059C	No	Ubiquitin-Conjugating Enzyme	Protein Modification By Small Protein Conjugation Or Removal
SUR1	YPL057C	No	Mannosylinositol Phosphorylceramide (Mipc) Synthase Catalytic Subunit	Lipid Metabolic Process
TOP1	YOL006C	No	Topoisomerase I	Transcription From Rna Polymerase Ii Promoter
ORM2	YLR350W	No	Protein Of Unknown Function	Response To Chemical
SNF11	YDR073W	No	Subunit Of The Swi/Snf Chromatin Remodeling Complex	Transcription From Rna Polymerase Ii Promoter
ELC1	YPL046C	No	Elongin C, Conserved Among Eukaryotes	Cellular Response To DNA Damage Stimulus
ESC8	YOL017W	No	Protein Involved In Telomeric And Mating-Type Locus Silencing	Miscellaneous



MDM30	YLR368W	No	F-Box Component Of An Scf Ubiquitin Protein Ligase Complex	Protein Modification By Small Protein Conjugation Or Removal
UBC13	YDR092W	No	E2 Ubiquitin-Conjugating Enzyme	Cellular Response To DNA Damage Stimulus
CTF19	YPL018W	No	Outer Kinetochore Protein, Needed For Accurate Chromosome Segregation	Mitotic Cell Cycle
NOP12	YOL041C	No	Nucleolar Protein Involved In Pre-25S Rrna Processing	Miscellaneous
IK13	YLR384C	No	Subunit Of Elongator Complex	Transcription From Rna Polymerase Ii Promoter
TRM1	YDR120C	No	Trna Methyltransferase	Miscellaneous
SCD6	YPR129W	No	Repressor Of Translation Initiation	Miscellaneous
APM4	YOL062C	No	Mu2-Like Subunit Of The Clathrin Associated Protein Complex (Ap-2)	Miscellaneous
CDC73	YLR418C	No	Component Of The Paf1P Complex	Transcription From Rna Polymerase Ii Promoter
	YDR131C	No	F-Box Protein Subunit Of Scf Ubiquitin Ligase Complex	Proteolysis Involved In Cellular Protein Catabolic Process
MET16	YPR167C	No	3'-Phosphoadenylsulfate Reductase	Miscellaneous
CLN2	YPL256C	No	G1 Cyclin Involved In Regulation Of The Cell Cycle	Response To Chemical
YPT6	YLR262C	No	Rab Family Gtpase	Miscellaneous
LSM6	YDR378C	No	Lsm (Like Sm) Protein	Miscellaneous
ERJ5	YFR041C	No	Type I Membrane Protein With A J Domain	Miscellaneous
NEW1	YPL226W	No	Atp Binding Cassette Protein	Miscellaneous
	YLR287C	No	Putative Protein Of Unknown Function	Biological_Process
SHE9	YDR393W	No	Protein Required For Normal Mitochondrial Morphology	Miscellaneous
HIR1	YBL008W	No	Subunit Of The Hir Complex	Transcription From Rna Polymerase Ii Promoter
GUP2	YPL189W	No	Probable Membrane Protein	Miscellaneous
BUD6	YLR319C	No	Actin- And Formin-Interacting Protein	Mitotic Cell Cycle
PPM1	YDR435C	No	Carboxyl Methyltransferase	Protein Complex Biogenesis
	YBL036C	No	Putative Non-Specific Single-Domain Racemase	Biological_Process
REV3	YPL167C	No	Catalytic Subunit Of DNA Polymerase Zeta	Cellular Response To DNA Damage Stimulus
NBP2	YDR162C	No	Protein Involved In The Hog (High Osmolarity Glycerol) Pathway	Signaling
YEF1	YEL041W	No	Atp-Nadh Kinase	Miscellaneous
UBP13	YBL067C	No	Ubiquitin-Specific Protease That Cleaves Ub-Protein Fusions	Miscellaneous
POC4	YPL144W	No	Component Of A Heterodimeric Poc4P-Irc25P Chaperone	Protein Complex Biogenesis
HST4	YDR191W	No	Member Of The Sir2 Family Of Nad(+)-Dependent Protein Deacetylases	Chromatin Organization
PRB1	YEL060C	No	Vacuolar Proteinase B (Yscb)	Miscellaneous
BO11	YBL085W	No	Protein Implicated In Polar Growth	Miscellaneous
KAP120	YPL125W	No	Karyopherin Responsible For The Nuclear Import Of Rfp1P	Protein Targeting
HTA1	YDR225W	No	Histone H2A	Transcription From Rna Polymerase Ii Promoter
PAC2	YER007W	No	Microtubule Effector Required For Tubulin Heterodimer Formation	Protein Complex Biogenesis
COG7	YGL005C	No	Component Of The Conserved Oligomeric Golgi Complex	Protein Targeting
SR52	YLR092W	No	DNA Helicase And DNA-Dependent Atpase	Cellular Response To DNA Damage Stimulus
PEX14	YGL153W	No	Central Component Of The Peroxisomal Protein Import Machinery	Protein Complex Biogenesis
	YCL001W-A	No	Putative Protein Of Unknown Function	Biological_Process
IK11	YHR187W	No	Subunit Of Hexameric RecA-Like Atpase Elp456 Elongator Subcomplex	Miscellaneous
LAS21	YJL062W	No	Integral Plasma Membrane Protein	Lipid Metabolic Process
PMR1	YGL167C	No	High Affinity Ca2+/Mn2+ P-Type Atpase	Miscellaneous
RHB1	YCR027C	No	Putative Rheb-Related Gtpase	Miscellaneous
HUT1	YPL244C	No	Protein With A Role In Udp-Galactose Transport To The Golgi Lumen	Miscellaneous
AIM22	YJL046W	No	Putative Lipoate-Protein Ligase	Miscellaneous
SAE2	YGL175C	No	Endonuclease Involved In Processing Hairpin DNA Structures	Cellular Response To DNA Damage Stimulus
	YCR050C	No	Non-Essential Protein Of Unknown Function	Biological_Process
NUC1	YJL208C	No	Major Mitochondrial Nuclease	DNA Recombination
BUB1	YGR188C	No	Protein Kinase Involved In The Cell Cycle Checkpoint Into Anaphase	Mitotic Cell Cycle
YCK3	YER123W	No	Palmitoylated Vacuolar Membrane-Localized Casein Kinase I Isoform	Protein Phosphorylation
PAT1	YCR077C	No	Deadenylation-Dependent Mrna-Decapping Factor	Miscellaneous
SRB4	YER022W	Yes	Subunit Of The Rna Polymerase Ii Mediator Complex	Transcription From Rna Polymerase Ii Promoter
SRB2	YHR041C	No	Subunit Of The Rna Polymerase Ii Mediator Complex	Transcription From Rna Polymerase Ii Promoter
	YER156C	No	Putative Protein Of Unknown Function	Biological_Process
PET130	YJL023C	No	Protein Required For Respiratory Growth	Biological_Process
ESS1	YJR017C	Yes	Peptidylprolyl-Cis/Trans-Isomerase (Ppiase)	Transcription From Rna Polymerase Ii Promoter
EAF6	YJR082C	No	Subunit Of The Nua4 Acetyltransferase Complex	Chromatin Organization
GRX4	YER174C	No	Glutathione-Dependent Oxidoreductase	Response To Chemical
POL32	YJR043C	No	Third Subunit Of DNA Polymerase Delta	Cellular Response To DNA Damage Stimulus
POL30	YBR088C	Yes	Proliferating Cell Nuclear Antigen (Pcna)	Mitotic Cell Cycle
SIR1	YKR101W	No	Protein Involved In Silencing At Mating-Type Loci Hml And Hmr	Chromatin Organization
FKH1	YIL131C	No	Forkhead Family Transcription Factor	Transcription From Rna Polymerase Ii Promoter
CYK3	YDL117W	No	Sh3-Domain Protein Located In The Bud Neck And Cytokinetic Actin Ring	Miscellaneous
MED8	YBR193C	Yes	Subunit Of The Rna Polymerase Ii Mediator Complex	Transcription From Rna Polymerase Ii Promoter
HMG2	YLR450W	No	Hmg-Coa Reductase	Lipid Metabolic Process
PTC2	YER089C	No	Type 2C Protein Phosphatase (Pp2C)	Cellular Response To DNA Damage Stimulus
CLB3	YDL155W	No	B-Type Cyclin Involved In Cell Cycle Progression	Mitotic Cell Cycle
TAF13	YML098W	Yes	Tffid Subunit (19 Kda)	Transcription From Rna Polymerase Ii Promoter
LIA1	YJR070C	No	Deoxyhypusine Hydroxylase	Cytoskeleton Organization
PET123	YOR158W	No	Mitochondrial Ribosomal Protein Of The Small Subunit	Miscellaneous
PUB1	YNL016W	No	Poly (A)+ Rna-Binding Protein	Miscellaneous
RPB7	YDR404C	Yes	Rna Polymerase Ii Subunit B16	Transcription From Rna Polymerase Ii Promoter

VPS70	YJR126C	No	Protein Of Unknown Function Involved In Vacuolar Protein Sorting	Protein Targeting
RPB9	YGL070C	No	Rna Polymerase Ii Subunit B12.6	Transcription From Rna Polymerase Ii Promoter
COG6	YNL041C	No	Component Of The Conserved Oligomeric Golgi Complex	Protein Targeting
ARP4	YJL081C	Yes	Nuclear Actin-Related Protein Involved In Chromatin Remodeling	Transcription From Rna Polymerase Ii Promoter
BYE1	YKL005C	No	Negative Regulator Of Transcription Elongation	Transcription From Rna Polymerase Ii Promoter
PER1	YCR044C	No	Protein Of The Endoplasmic Reticulum	Lipid Metabolic Process
ALG12	YNR030W	No	Alpha-1,6-Mannosyltransferase Localized To The Er	Carbohydrate Metabolic Process
TAF8	YML114C	Yes	Tfiid Subunit (65 Kda)	Transcription From Rna Polymerase Ii Promoter
ARF1	YDL192W	No	Adp-Ribosylation Factor	Golgi Vesicle Transport
NRP1	YDL167C	No	Putative Rna Binding Protein Of Unknown Function	Biological_Process
HHF1	YBR009C	No	Histone H4	Transcription From Rna Polymerase Ii Promoter
EPL1	YFL024C	Yes	Subunit Of Nua4, An Essential Histone H4/H2A Acetyltransferase Complex	Transcription From Rna Polymerase Ii Promoter
PMT2	YAL023C	No	Protein O-Mannosyltransferase Of The Er Membrane	Response To Chemical
SER2	YGR208W	No	Phosphoserine Phosphatase Of The Phosphoglycerate Pathway	Miscellaneous
RKR1	YMR247C	No	Ring Domain E3 Ubiquitin Ligase	Chromatin Organization
ELM1	YKL048C	No	Serine/Threonine Protein Kinase That Regulates Cellular Morphogenesis	Mitotic Cell Cycle
DEP1	YAL013W	No	Component Of The Rpd3L Histone Deacetylase Complex	Transcription From Rna Polymerase Ii Promoter
GOS1	YHL031C	No	V-Snare Protein Involved In Golgi Transport	Golgi Vesicle Transport
SCS7	YMR272C	No	Sphingolipid Alpha-Hydroxylase	Lipid Metabolic Process
MUD2	YKL074C	No	Protein Involved In Early Pre-Mrna Splicing	Miscellaneous
NUP60	YAR002W	No	Fg-Nucleoporin Component Of Central Core Of The Nuclear Pore Complex	Cellular Response To DNA Damage Stimulus
OPI1	YHL020C	No	Transcriptional Regulator Of A Variety Of Genes	Transcription From Rna Polymerase Ii Promoter
AEP2	YMR282C	No	Mitochondrial Protein	Miscellaneous
HSL1	YKL101W	No	Nim1P-Related Protein Kinase	Mitotic Cell Cycle
KNS1	YLL019C	No	Protein Kinase Involved In Negative Regulation Of Poliii Transcription	Protein Phosphorylation
PIH1	YHR034C	No	Component Of The Conserved R2Tp Complex (Rvb1-Rvb2-Tah1-Pih1)	Miscellaneous
DYN3	YMR299C	No	Dynein Light Intermediate Chain (Lic)	Miscellaneous
TGL1	YKL140W	No	Steryl Ester Hydrolase	Lipid Metabolic Process
RPL8B	YLL045C	No	Ribosomal 60S Subunit Protein L8B	Miscellaneous
KSP1	YHR082C	No	Serine/Threonine Protein Kinase	Signaling
KRE1	YNL322C	No	Cell Wall Glycoprotein Involved In Beta-Glucan Assembly	Miscellaneous
CNB1	YKL190W	No	Calcineurin B	Response To Chemical
SRL2	YLR082C	No	Protein Of Unknown Function	Miscellaneous
YCK1	YHR135C	No	Palmitoylated Plasma Membrane-Bound Casein Kinase I Isoform	Response To Chemical
MON2	YNL297C	No	Protein With A Role In Endocytosis And Vacuole Integrity	Protein Targeting
PAC10	YGR078C	No	Part Of The Heteromeric Co-Chaperone Gimc/Prefoldin Complex	Protein Complex Biogenesis
HRT3	YLR097C	No	Putative Scf-Ubiquitin Ligase F-Box Protein	Response To Chemical
STB5	YHR178W	No	Transcription Factor	Transcription From Rna Polymerase Ii Promoter
GIS2	YNL255C	No	Translational Activator For Mrnas With Internal Ribosome Entry Sites	Miscellaneous
CLB1	YGR108W	No	B-Type Cyclin Involved In Cell Cycle Progression	Mitotic Cell Cycle
NTE1	YML059C	No	Serine Esterase	Lipid Metabolic Process
RER1	YCL001W	No	Protein Involved In Retention Of Membrane Proteins	Golgi Vesicle Transport
ERP4	YOR016C	No	Member Of The P24 Family Involved In Er To Golgi Transport	Golgi Vesicle Transport
AZF1	YOR113W	No	Zinc-Finger Transcription Factor	Transcription From Rna Polymerase Ii Promoter
RAD52	YML032C	No	Protein That Stimulates Strand Exchange	Cellular Response To DNA Damage Stimulus
GFD2	YCL036W	No	Protein Of Unknown Function	Biological_Process
SHE4	YOR035C	No	Protein Containing A Ucs (Unc-45/Cro1/She4) Domain	Cytoskeleton Organization
ELG1	YOR144C	No	Subunit Of An Alternative Replication Factor C Complex	Mitotic Cell Cycle
ERV25	YML012W	No	Member Of The P24 Family Involved In Er To Golgi Transport	Golgi Vesicle Transport
RVS161	YCR009C	No	Amphiphysin-Like Lipid Raft Protein	Cytoskeleton Organization
CKA2	YOR061W	No	Alpha' Catalytic Subunit Of Casein Kinase 2 (Ck2)	Cellular Response To DNA Damage Stimulus
IES4	YOR189W	No	Component Of The Ino80 Chromatin Remodeling Complex	Cellular Response To DNA Damage Stimulus
ERG5	YMR015C	No	C-22 Sterol Desaturase	Lipid Metabolic Process
DCN1	YLR128W	No	Scaffold-Type E3 Ligase	Protein Modification By Small Protein Conjugation Or Removal
GYP1	YOR070C	No	Cis-Golgi Gtpase-Activating Protein (Gap) For Yeast Rabs	Miscellaneous
RUD3	YOR216C	No	Golgi Matrix Protein	Golgi Vesicle Transport
FAR8	YMR029C	No	Protein Involved In Recovery From Arrest In Response To Pheromone	Response To Chemical
RNH203	YLR154C	No	Ribonuclease H2 Subunit	Miscellaneous
OST3	YOR085W	No	Gamma Subunit Of The Oligosaccharyltransferase Complex Of The Er Lumen	Protein Complex Biogenesis
DSE3	YOR264W	No	Daughter Cell-Specific Protein, May Help Establish Daughter Fate	Biological_Process
JJJ1	YNL227C	No	Co-Chaperone That Stimulates The Atpase Activity Of Ssa1P	Miscellaneous
KGD1	YIL125W	No	Subunit Of The Mitochondrial Alpha-Ketoglutarate Dehydrogenase Complex	Miscellaneous
YAP5	YIR018W	No	Basic Leucine Zipper (Bzip) Iron-Sensing Transcription Factor	Transcription From Rna Polymerase Ii Promoter
SYC1	YOR179C	No	Subunit Of The Apt Subcomplex Of Cleavage And Polyadenylation Factor	Transcription From Rna Polymerase Ii Promoter
IES2	YNL215W	No	Protein That Associates With The Ino80 Chromatin Remodeling Complex	Biological_Process
TPM2	YIL138C	No	Minor Isoform Of Tropomyosin	Cytoskeleton Organization
AIM29	YKR074W	No	Putative Protein Of Unknown Function	Biological_Process
PBS2	YJL128C	No	Map Kinase Kinase Of The Hog Signaling Pathway	Signaling
WHI3	YNL197C	No	Rna Binding Protein That Sequesters Cln3 Mrna In Cytoplasmic Foci	Miscellaneous
UBP7	YIL156W	No	Ubiquitin-Specific Protease That Cleaves Ubiquitin-Protein Fusions	Protein Modification By Small Protein Conjugation Or Removal
AVO2	YMR068W	No	Component Of A Complex Containing The Tor2P Kinase And Other Proteins	Signaling

SMA2	YML066C	No	Meiosis-Specific Prospore Membrane Protein	Meiotic Cell Cycle
PEX1	YKL197C	No	Aaa-Peroxin	Signaling
MSL1	YIR009W	No	U2B Component Of U2 Snrnp	Miscellaneous
AIP1	YMR092C	No	Actin Cortical Patch Component	Protein Complex Biogenesis
RPL43A	YPR043W	No	Ribosomal 60S Subunit Protein L43A	Miscellaneous
DOA1	YKL213C	No	Wd Repeat Protein Required For Ubiquitin-Mediated Protein Degradation	Cellular Response To DNA Damage Stimulus
RNH201	YNL072W	No	Ribonuclease H2 Catalytic Subunit	Miscellaneous
MSN1	YOL116W	No	Transcriptional Activator	Transcription From Rna Polymerase Ii Promoter
PHO88	YBR106W	No	Probable Membrane Protein	Miscellaneous
NAP1	YKR048C	No	Histone Chaperone	Transcription From Rna Polymerase Ii Promoter
INP52	YNL106C	No	Polyphosphatidylinositol Phosphatase	Lipid Metabolic Process
CAF130	YGR134W	No	Subunit Of The Ccr4-Not Transcriptional Regulatory Complex	Transcription From Rna Polymerase Ii Promoter
SLI15	YBR156C	No	Subunit Of The Conserved Chromosomal Passenger Complex (Cpc)	Regulation Of Cell Cycle
RMD5	YDR255C	No	Component Of Gid Complex That Confers Ubiquitin Ligase (U3) Activity	Protein Modification By Small Protein Conjugation Or Removal
PIL1	YGR086C	No	Primary Protein Component Of Eisosomes	Protein Phosphorylation
GIM5	YML094W	No	Subunit Of The Heterohexameric Cochaperone Prefoldin Complex	Transcription From Rna Polymerase Ii Promoter
NHP10	YDL002C	No	Protein Related To Mammalian High Mobility Group Proteins	Chromatin Organization
SSD1	YDR293C	No	Translational Repressor With A Role In Polar Growth And Wall Integrity	Miscellaneous
TOF2	YKR010C	No	Protein Required For RDNA Silencing And Mitotic RDNA Condensation	Mitotic Cell Cycle
	YML108W	No	Protein Of Unknown Function	Biological_Process
SLC1	YDL052C	No	1-Acyl-Sn-Glycerol-3-Phosphate Acyltransferase	Lipid Metabolic Process
IPK1	YDR315C	No	Inositol 1,3,4,5,6-Pentakisphosphate 2-Kinase	Miscellaneous
PTC4	YBR125C	No	Cytoplasmic Type 2C Protein Phosphatase (Pp2C)	Miscellaneous
MUB1	YMR100W	No	Mynd Domain-Containing Protein	Protein Modification By Small Protein Conjugation Or Removal
RPL13A	YDL082W	No	Ribosomal 60S Subunit Protein L13A	Miscellaneous
MSN5	YDR335W	No	Karyopherin	Miscellaneous
SAF1	YBR280C	No	F-Box Protein Involved In Proteasome-Dependent Degradation Of Aah1P	Proteolysis Involved In Cellular Protein Catabolic Process
PKR1	YMR123W	No	V-Atpase Assembly Factor	Protein Complex Biogenesis
LR54	YDR439W	No	Nucleolar Protein That Forms A Complex With Csm1P	Mitotic Cell Cycle
CST6	YIL036W	No	Basic Leucine Zipper (Bzip) Transcription Factor, In Atf/Creb Family	Transcription From Rna Polymerase Ii Promoter
SED4	YCR067C	No	Integral Er Membrane Protein That Stimulates Sar1P Gtpase Activity	Protein Complex Biogenesis
RLF2	YPR018W	No	Largest Subunit (P90) Of The Chromatin Assembly Complex (Caf-1)	Chromatin Organization
PKH3	YDR466W	No	Protein Kinase With Similarity To Mammalian Pdk1 And Yeast Pkh1P/Phk2P	Signaling
DFG10	YIL049W	No	Probable Polyprenol Reductase	Lipid Metabolic Process
HCR1	YLR192C	No	Eif3J Component Of Translation Initiation Factor 3 (Eif3)	Miscellaneous
MAK3	YPR051W	No	Catalytic Subunit Of The Natc Type N-Terminal Acetyltransferase	Miscellaneous
PKH1	YDR490C	No	Serine/Threonine Protein Kinase	Signaling
PHO80	YOL001W	No	Cyclin	Transcription From Rna Polymerase Ii Promoter
CH55	YLR330W	No	Component Of The Exomer Complex	Mitotic Cell Cycle
	YDR061W	No	Protein With Similarity To Abc Transporter Family Members	Biological_Process
LGE1	YPL055C	No	Protein Of Unknown Function	Chromatin Organization
MDM12	YOL009C	No	Mitochondrial Outer Membrane Protein	Protein Complex Biogenesis
BUD8	YLR353W	No	Protein Involved In Bud-Site Selection	Mitotic Cell Cycle
PPH3	YDR075W	No	Catalytic Subunit Of Protein Phosphatase Pp4 Complex	Cellular Response To DNA Damage Stimulus
SSN3	YPL042C	No	Cyclin-Dependent Protein Kinase	Transcription From Rna Polymerase Ii Promoter
TLG2	YOL018C	No	Syntaxin-Like T-Snare	Protein Targeting
ROM2	YLR371W	No	Gdp/Gtp Exchange Factor (Gef) For Rho1P And Rho2P	Signaling
GIS1	YDR096W	No	Histone Demethylase And Transcription Factor	Transcription From Rna Polymerase Ii Promoter
CHL1	YPL008W	No	Probable DNA Helicase	Mitotic Cell Cycle
PEX15	YOL044W	No	Tail-Anchored Type Ii Integral Peroxisomal Membrane Protein	Signaling
VAC14	YLR386W	No	Enzyme Regulator	Lipid Metabolic Process
DPB4	YDR121W	No	Subunit Of DNA Pol Epsilon And Of Isw2 Chromatin Accessibility Complex	Chromatin Organization
MSS18	YPR134W	No	Nuclear Encoded Protein Needed For Splicing Of Mitochondrial Intron	Miscellaneous
MET22	YOL064C	No	Bisphosphate-3'-Nucleotidase	Miscellaneous
RPN13	YLR421C	No	Subunit Of The 19S Regulatory Particle Of The 26S Proteasome Lid	Proteolysis Involved In Cellular Protein Catabolic Process
MKC7	YDR144C	No	Gpi-Anchored Aspartyl Protease	Miscellaneous
VPS4	YPR173C	No	Aaa-Atpase Involved In Multivesicular Body (Mvb) Protein Sorting	Protein Complex Biogenesis
HF11	YPL254W	No	Adaptor Protein Required For Structural Integrity Of The Saga Complex	Transcription From Rna Polymerase Ii Promoter
RPS28B	YLR264W	No	Protein Component Of The Small (40S) Ribosomal Subunit	Miscellaneous
RPP2B	YDR382W	No	Ribosomal Protein P2 Beta	Protein Phosphorylation
RMD8	YFR048W	No	Cytosolic Protein Required For Sporulation	Biological_Process
THI6	YPL214C	No	Thiamine-Phosphate Diphosphorylase And Hydroxyethylthiazole Kinase	Miscellaneous
RPS30A	YLR287C-A	No	Protein Component Of The Small (40S) Ribosomal Subunit	Miscellaneous
SXM1	YDR395W	No	Nuclear Transport Factor (Karyopherin)	Miscellaneous
SCT1	YBL011W	No	Glycerol 3-Phosphate/Dihydroxyacetone Phosphate Sn-1 Acyltransferase	Lipid Metabolic Process
MRN1	YPL184C	No	Rna-Binding Protein That May Be Involved In Translational Regulation	Chromatin Organization
MMS22	YLR320W	No	Subunit Of E3 Ubiquitin Ligase Complex Involved In Replication Repair	Cellular Response To DNA Damage Stimulus
GIM4	YEL003W	No	Subunit Of The Heterohexameric Cochaperone Prefoldin Complex	Protein Complex Biogenesis
PSY4	YBL046W	No	Regulatory Subunit Of Protein Phosphatase Pp4	Cellular Response To DNA Damage Stimulus
SET6	YPL165C	No	Set Domain Protein Of Unknown Function	Biological_Process
CWC15	YDR163W	No	Non-Essential Protein Involved In Pre-Mrna Splicing	Miscellaneous

GDA1	YEL042W	No	Guanosine Diphosphatase Located In The Golgi	Carbohydrate Metabolic Process
RPS8A	YBL072C	No	Protein Component Of The Small (40S) Ribosomal Subunit	Miscellaneous
FRK1	YPL141C	No	Protein Kinase Of Unknown Cellular Role	Protein Phosphorylation
NUP42	YDR192C	No	Fg-Nucleoporin Component Of Central Core Of The Nuclear Pore Complex	Protein Targeting
CIN8	YEL061C	No	Kinesin Motor Protein	Mitotic Cell Cycle
	YBL086C	No	Protein Of Unknown Function	Biological_Process
VPS30	YPL120W	No	Subunit Of Phosphatidylinositol (Ptdins) 3-Kinase Complexes I And Ii	Protein Targeting
RTN1	YDR233C	No	Reticulon Protein	Protein Complex Biogenesis
ISC1	YER019W	No	Inositol Phosphosphingolipid Phospholipase C	Lipid Metabolic Process
PUF4	YGL014W	No	Member Of The Puf Protein Family	Chromatin Organization
SSP1	YPL106C	No	Atpase Component Of Heat Shock Protein Hsp90 Chaperone Complex	Miscellaneous
KEX1	YGL203C	No	Cell Death Protease Essential For Hypochlorite-Induced Apoptosis	Miscellaneous
JHD1	YER051W	No	Jmjc Domain Family Histone Demethylase Specific For H3-K36	Chromatin Organization
SCW11	YGL028C	No	Cell Wall Protein With Similarity To Glucanases	Miscellaneous
	YJL055W	No	Putative Protein Of Unknown Function	Response To Chemical
HUR1	YGL168W	No	Protein Of Unknown Function	Miscellaneous
RPS14A	YCR031C	No	Protein Component Of The Small (40S) Ribosomal Subunit	Miscellaneous
GYP8	YFL027C	No	Gtpase-Activating Protein For Yeast Rab Family Members	Miscellaneous
SNX4	YJL036W	No	Sorting Nexin	Protein Targeting
SWI4	YER111C	No	DNA Binding Component Of The Sbf Complex (Swi4P-Swi6P)	Transcription From Rna Polymerase Ii Promoter
	YCR061W	No	Protein Of Unknown Function	Miscellaneous
SDS3	YIL084C	No	Component Of The Rpd3L Histone Deacetylase Complex	Transcription From Rna Polymerase Ii Promoter
HSE1	YHL002W	No	Subunit Of The Endosomal Vps27P-Hse1P Complex	Protein Targeting
SAK1	YER129W	No	Upstream Serine/Threonine Kinase For The Snf1 Complex	Protein Phosphorylation
SRB8	YCR081W	No	Subunit Of The Rna Polymerase Ii Mediator Complex	Transcription From Rna Polymerase Ii Promoter
TAF12	YDR145W	Yes	Subunit (61/68 Kda) Of Tfiid And Saga Complexes	Transcription From Rna Polymerase Ii Promoter
HTD2	YHR067W	No	Mitochondrial 3-Hydroxyacyl-Thioester Dehydratase	Lipid Metabolic Process
SPT2	YER161C	No	Protein Involved In Negative Regulation Of Transcription	Transcription From Rna Polymerase Ii Promoter
AP53	YJL024C	No	Small Subunit Of The Clathrin-Associated Adaptor Complex Ap-3	Protein Targeting
CDC27	YBL084C	Yes	Subunit Of The Anaphase-Promoting Complex/Cyclosome (Apc/C)	Protein Modification By Small Protein Conjugation Or Removal
EMC2	YJR088C	No	Member Of Conserved Er Transmembrane Complex	Miscellaneous
BMH1	YER177W	No	14-3-3 Protein, Major Isoform	Transcription From Rna Polymerase Ii Promoter
ISY1	YJR050W	No	Member Of The Nineteen Complex (Ntc)	Miscellaneous
RPB3	YIL021W	Yes	Rna Polymerase Ii Third Largest Subunit B44	Transcription From Rna Polymerase Ii Promoter
NFT1	YKR103W	No	Putative Transporter Of The Mrp Subfamily	Miscellaneous
DJP1	YIR004W	No	Cytosolic J-Domain-Containing Protein	Protein Targeting
UBP1	YDL122W	No	Ubiquitin-Specific Protease	Protein Modification By Small Protein Conjugation Or Removal
TFB3	YDR460W	Yes	Subunit Of Tfiih And Nucleotide Excision Repair Factor 3 Complexes	Transcription From Rna Polymerase Ii Promoter
SST2	YLR452C	No	Gtpase-Activating Protein For Gpa1P	Response To Chemical
DEG1	YFL001W	No	Trna:Pseudouridine Synthase	Miscellaneous
UGA3	YDL170W	No	Transcriptional Activator For Gaba-Dependent Induction Of Gaba Genes	Transcription From Rna Polymerase Ii Promoter
TAF4	YMR005W	Yes	Tfiid Subunit (48 Kda)	Transcription From Rna Polymerase Ii Promoter
MOG1	YJR074W	No	Conserved Nuclear Protein That Interacts With Gtp-Gsp1P	Protein Targeting
VRP1	YLR337C	No	Proline-Rich Actin-Associated Protein	Mitotic Cell Cycle
HDA1	YNL021W	No	Putative Catalytic Subunit Of A Class Ii Histone Deacetylase Complex	Transcription From Rna Polymerase Ii Promoter
POL2	YNL262W	Yes	Catalytic Subunit Of DNA Polymerase (Ii) Epsilon	Mitotic Cell Cycle
MNS1	YJR131W	No	Alpha-1,2-Mannosidase	Proteolysis Involved In Cellular Protein Catabolic Process
GIM3	YNL153C	No	Subunit Of The Heterohexameric Cochaperone Prefoldin Complex	Transcription From Rna Polymerase Ii Promoter
YIP3	YNL044W	No	Protein Localized To Copii Vesicles	Golgi Vesicle Transport
CDC20	YGL116W	Yes	Activator Of Anaphase-Promoting Complex/Cyclosome (Apc/C)	Mitotic Cell Cycle
SPE4	YLR146C	No	Spermine Synthase	Miscellaneous
BUD31	YCR063W	No	Component Of The Sf3B Subcomplex Of The U2 Snrnp	Mitotic Cell Cycle
SSK2	YNR031C	No	Map Kinase Kinase Kinase Of Hog1 Mitogen-Activated Signaling Pathway	Regulation Of Organelle Organization
TAF7	YMR227C	Yes	Tfiid Subunit (67 Kda)	Transcription From Rna Polymerase Ii Promoter
ACK1	YDL203C	No	Protein That Functions In The Cell Wall Integrity Pathway	Signaling
VMA1	YDL185W	No	Subunit A Of The V1 Peripheral Membrane Domain Of V-Atpase	DNA Recombination
RTG3	YBL103C	No	Bhlh/Zip Transcription Factor For Retrograde (Rtg) And Tor Pathways	Transcription From Rna Polymerase Ii Promoter
RPB8	YOR224C	Yes	Rna Polymerase Subunit Abc14.5	Transcription From Rna Polymerase Ii Promoter
GCS1	YDL226C	No	Adp-Ribosylation Factor Gtpase Activating Protein (Arf Gap)	Cytoskeleton Organization
CGR1	YGL029W	No	Protein Involved In Nucleolar Integrity And Processing Of Pre-Rrna	Miscellaneous
OLA1	YBR025C	No	P-Loop Atpase With Similarity To Human Ola1 And Bacterial Ychf	Biological_Process
CDC34	YDR054C	Yes	Ubiquitin-Conjugating Enzyme (E2)	Mitotic Cell Cycle
SWC3	YAL011W	No	Protein Of Unknown Function	Chromatin Organization
OCA5	YHL029C	No	Cytoplasmic Protein Required For Replication Of Brome Mosaic Virus	Biological_Process
ZDS1	YMR273C	No	Protein With A Role In Regulating Swe1P-Dependent Polarized Growth	Mitotic Cell Cycle
SMY1	YKL079W	No	Protein That Interacts With Myo2P	Miscellaneous
SWD1	YAR003W	No	Subunit Of The Compass (Set1C) Complex	Chromatin Organization
YAP3	YHL009C	No	Basic Leucine Zipper (Bzip) Transcription Factor	Transcription From Rna Polymerase Ii Promoter
RTI1	YMR283C	No	2'-O-Ribosyl Phosphate Transferase	Miscellaneous
HAP4	YKL109W	No	Transcription Factor	Transcription From Rna Polymerase Ii Promoter
SPA2	YLL021W	No	Component Of The Polarisome	Mitotic Cell Cycle

MSC7	YHR039C	No	Protein Of Unknown Function	Organelle Fission
UBP15	YMR304W	No	Ubiquitin-Specific Protease Involved In Protein Deubiquitination	Protein Modification By Small Protein Conjugation Or Removal
DBR1	YKL149C	No	Rna Lariat Debranching Enzyme	Miscellaneous
BRE2	YLR015W	No	Subunit Of Compass (Set1C) Complex	Chromatin Organization
NAM8	YHR086W	No	Rna Binding Protein, Component Of The U1 Snrnp Protein	Miscellaneous
SKP2	YNL311C	No	F-Box Protein Of Unknown Function	Miscellaneous
ACB1	YGR037C	No	Acyl-Coa-Binding Protein	Miscellaneous
EMP70	YLR083C	No	Protein With A Role In Cellular Adhesion And Filamentous Growth	Miscellaneous
CHS7	YHR142W	No	Protein Of Unknown Function	Carbohydrate Metabolic Process
RIM21	YNL294C	No	Ph Sensor Molecule, Component Of The Rim101 Pathway	Meiotic Cell Cycle
SLX9	YGR081C	No	Protein Required For Pre-Rrna Processing	Miscellaneous
APC9	YLR102C	No	Subunit Of The Anaphase-Promoting Complex/Cyclosome (Apc/C)	Chromatin Organization
OYE2	YHR179W	No	Conserved Nadph Oxidoreductase Containing Flavin Mononucleotide (Fmn)	Miscellaneous
TEX1	YNL253W	No	Protein Involved In Mrna Export	Miscellaneous
CLB6	YGR109C	No	B-Type Cyclin Involved In DNA Replication During S Phase	Mitotic Cell Cycle
CMP2	YML057W	No	Calcineurin A	Response To Chemical
STP22	YCL008C	No	Component Of The Escrt-I Complex	Protein Modification By Small Protein Conjugation Or Removal
AHC1	YOR023C	No	Subunit Of The Ada Histone Acetyltransferase Complex	Chromatin Organization
TRS33	YOR115C	No	One Of 10 Subunits Of The Transport Protein Particle (Trapp) Complex	Protein Complex Biogenesis
USA1	YML029W	No	Scaffold Subunit Of The Hrd1P Ubiquitin Ligase	Protein Complex Biogenesis
SRO9	YCL037C	No	Cytoplasmic Rna-Binding Protein	Miscellaneous
HIR2	YOR038C	No	Subunit Of Hir Nucleosome Assembly Complex	Transcription From Rna Polymerase Ii Promoter
SLP1	YOR154W	No	Glycosylated Integral Er Membrane Protein Of Unknown Function	Miscellaneous
ERG6	YML008C	No	Delta(24)-Sterol C-Methyltransferase	Lipid Metabolic Process
POL4	YCR014C	No	DNA Polymerase Iv	Cellular Response To DNA Damage Stimulus
YNG1	YOR064C	No	Subunit Of The Nua3 Histone Acetyltransferase Complex	Chromatin Organization
ULS1	YOR191W	No	Protein Involved In Proteolytic Control Of Sumoylated Substrates	Chromatin Organization
SOK2	YMR016C	No	Nuclear Protein That Negatively Regulates Pseudohyphal Differentiation	Miscellaneous
ACE2	YLR131C	No	Transcription Factor Required For Septum Destruction After Cytokinesis	Transcription From Rna Polymerase Ii Promoter
SKI7	YOR076C	No	Coupling Protein For The Ski Complex And Cytoplasmic Exosome	Miscellaneous
MKK1	YOR231W	No	Mapkk Involved In The Protein Kinase C Signaling Pathway	Signaling
IMP2	YMR035W	No	Catalytic Subunit Of Mitochondrial Inner Membrane Peptidase Complex	Protein Targeting
	YLR177W	No	Putative Protein Of Unknown Function	Biological_Process
VPS21	YOR089C	No	Endosomal Rab Family Gtpase	Protein Targeting
HUA2	YOR284W	No	Cytoplasmic Protein Of Unknown Function	Biological_Process
RPS16A	YMR143W	No	Protein Component Of The Small (40S) Ribosomal Subunit	Miscellaneous
RPL37A	YLR185W	No	Ribosomal 60S Subunit Protein L37A	Miscellaneous
ISW2	YOR304W	No	Atp-Dependent DNA Translocase Involved In Chromatin Remodeling	Transcription From Rna Polymerase Ii Promoter
PEX17	YNL214W	No	Peroxisomal Membrane Peroxin And Subunit Of Docking Complex	Protein Complex Biogenesis
REV7	YIL139C	No	Accessory Subunit Of DNA Polymerase Zeta	Cellular Response To DNA Damage Stimulus
MSA2	YKR077W	No	Putative Transcriptional Activator	Transcription From Rna Polymerase Ii Promoter
MLP1	YKR095W	No	Myosin-Like Protein Associated With The Nuclear Envelope	Transcription From Rna Polymerase Ii Promoter
CHS1	YNL192W	No	Chitin Synthase I	Miscellaneous
BNR1	YIL159W	No	Formin	Protein Complex Biogenesis
MOT3	YMR070W	No	Transcriptional Repressor And Activator With Two C2-H2 Zinc Fingers	Transcription From Rna Polymerase Ii Promoter
POP2	YNR052C	No	Rnase Of The Dedd Superfamily	Transcription From Rna Polymerase Ii Promoter
LOS1	YKL205W	No	Nuclear Pore Protein	Miscellaneous
SNF3	YDL194W	No	Plasma Membrane Low Glucose Sensor, Regulates Glucose Transport	Response To Chemical
HXT17	YNR072W	No	Hexose Transporter	Miscellaneous
SPT7	YBR081C	No	Subunit Of The Saga Transcriptional Regulatory Complex	Chromatin Organization
VPS1	YKR001C	No	Dynamin-Like Gtpase Required For Vacuolar Sorting	Organelle Fission
MKS1	YNL076W	No	Pleiotropic Negative Transcriptional Regulator	Transcription From Rna Polymerase Ii Promoter
DYN2	YDR424C	No	Cytoplasmic Light Chain Dynein, Microtubule Motor Protein	Mitotic Cell Cycle
IML3	YBR107C	No	Outer Kinetochores Protein And Component Of The Ctf19 Complex	Mitotic Cell Cycle
DYN1	YKR054C	No	Cytoplasmic Heavy Chain Dynein	Mitotic Cell Cycle
YAF9	YNL107W	No	Subunit Of Nua4 Histone H4 Acetyltransferase And Swr1 Complexes	Chromatin Organization
SNF6	YHL025W	No	Subunit Of The Swi/Snf Chromatin Remodeling Complex	Transcription From Rna Polymerase Ii Promoter
IFA38	YBR159W	No	Microsomal Beta-Keto-Reductase	Lipid Metabolic Process
RKM4	YDR257C	No	Ribosomal Lysine Methyltransferase	Miscellaneous
NNF2	YGR089W	No	Protein That Exhibits Physical And Genetic Interactions With Rpb8P	Biological_Process
RAD10	YML095C	No	Single-Stranded DNA Endonuclease (With Rad1P)	Cellular Response To DNA Damage Stimulus
PTC1	YDL006W	No	Type 2C Protein Phosphatase (Pp2C)	Response To Chemical
DPL1	YDR294C	No	Dihydrosphingosine Phosphate Lyase	Signaling
IRS4	YKR019C	No	Eh Domain-Containing Protein	Signaling
NAB6	YML117W	No	Putative Rna-Binding Protein	Biological_Process
MBP1	YDL056W	No	Transcription Factor	Transcription From Rna Polymerase Ii Promoter
MCM21	YDR318W	No	Component Of The Kinetochores Sub-Complex Coma	Mitotic Cell Cycle
CCZ1	YBR131W	No	Protein Involved In Vacuolar Assembly	Protein Targeting
	YMR102C	No	Protein Of Unknown Function	Biological_Process
RPS16B	YDL083C	No	Protein Component Of The Small (40S) Ribosomal Subunit	Miscellaneous
INP51	YIL002C	No	Phosphatidylinositol 4,5-Bisphosphate 5-Phosphatase	Lipid Metabolic Process

APM3	YBR288C	No	Mu3-Like Subunit Of The Clathrin Associated Protein Complex (Ap-3)	Protein Targeting
SAS2	YMR127C	No	Histone Acetyltransferase (Hat) Catalytic Subunit Of The Sas Complex	Chromatin Organization
DOT1	YDR440W	No	Nucleosomal Histone H3-Lys79 Methylase	Mitotic Cell Cycle
PRM2	YIL037C	No	Pheromone-Regulated Protein	Miscellaneous
TUP1	YCR084C	No	General Repressor Of Transcription	Transcription From Rna Polymerase Ii Promoter
CSR2	YPR030W	No	Nuclear Ubiquitin Protein Ligase Binding Protein	Transcription From Rna Polymerase Ii Promoter
SDC1	YDR469W	No	Subunit Of The Compass (Set1C) Complex	Chromatin Organization
SEC28	YIL076W	No	Epsilon-Cop Subunit Of The Coatomer	Golgi Vesicle Transport
DCCR2	YLR361C	No	Phosphoesterase	Mitotic Cell Cycle
NHP6A	YPR052C	No	High-Mobility Group (Hmg) Protein, Binds To And Remodels Nucleosomes	Transcription From Rna Polymerase Ii Promoter
PUF6	YDR496C	No	Pumilio-Homology Domain Protein	Miscellaneous
PRK1	YIL095W	No	Protein Serine/Threonine Kinase	Cytoskeleton Organization
YMD8	YML038C	No	Putative Nucleotide Sugar Transporter	Miscellaneous
ROX1	YPR065W	No	Heme-Dependent Repressor Of Hypoxic Genes	Transcription From Rna Polymerase Ii Promoter
GNP1	YDR508C	No	High-Affinity Glutamine Permease	Miscellaneous
PLB3	YOL011W	No	Phospholipase B (Lysophospholipase) Involved In Lipid Metabolism	Lipid Metabolic Process
RSC2	YLR357W	No	Component Of The Rsc Chromatin Remodeling Complex	Transcription From Rna Polymerase Ii Promoter
RAD55	YDR076W	No	Protein That Stimulates Strand Exchange	Cellular Response To Dna Damage Stimulus
	YPL041C	No	Protein Of Unknown Function Involved In Maintenance Of Telomere Length	Biological_Process
TAT2	YOL020W	No	High Affinity Tryptophan And Tyrosine Permease	Miscellaneous
SUR4	YLR372W	No	Elongase	Lipid Metabolic Process
MSH6	YDR097C	No	Protein Required For Mismatch Repair In Mitosis And Meiosis	Cellular Response To Dna Damage Stimulus
HAT1	YPL001W	No	Catalytic Subunit Of The Hat1P-Hat2P Histone Acetyltransferase Complex	Chromatin Organization
PSK2	YOL045W	No	Pas-Domain Containing Serine/Threonine Protein Kinase	Protein Phosphorylation
RPS29A	YLR388W	No	Protein Component Of The Small (40S) Ribosomal Subunit	Miscellaneous
KIN1	YDR122W	No	Serine/Threonine Protein Kinase Involved In Regulation Of Exocytosis	Protein Phosphorylation
CTF4	YPR135W	No	Chromatin-Associated Protein	Mitotic Cell Cycle
INP54	YOL065C	No	Phosphatidylinositol 4,5-Bisphosphate 5-Phosphatase	Lipid Metabolic Process
ECM22	YLR228C	No	Sterol Regulatory Element Binding Protein	Transcription From Rna Polymerase Ii Promoter
SWI5	YDR146C	No	Transcription Factor That Recruits Mediator And Swi/Snf Complexes	Transcription From Rna Polymerase Ii Promoter
	YPR174C	No	Protein Of Unknown Function	Biological_Process
VIK1	YPL253C	No	Protein That Forms A Kinesin-14 Heterodimeric Motor With Kar3P	Mitotic Cell Cycle
NEJ1	YLR265C	No	Protein Involved In Regulation Of Nonhomologous End Joining	Cellular Response To Dna Damage Stimulus
NKP1	YDR383C	No	Central Kinetochore Protein And Subunit Of The Ctf19 Complex	Biological_Process
HXK1	YFR053C	No	Hexokinase Isoenzyme 1	Carbohydrate Metabolic Process
LEA1	YPL213W	No	Component Of U2 Snrnp Complex	Miscellaneous
GEU1	YLR289W	No	Mitochondrial Matrix Gtpase	Miscellaneous
SIZ1	YDR409W	No	Sumo/Smt3 Ligase	Protein Modification By Small Protein Conjugation Or Removal
FUS3	YBL016W	No	Mitogen-Activated Serine/Threonine Protein Kinase Involved In Mating	Response To Chemical
CTI6	YPL181W	No	Component Of The Rpd3L Histone Deacetylase Complex	Miscellaneous
NUM1	YDR150W	No	Protein Required For Nuclear Migration	Organelle Fission
MIT1	YEL007W	No	Transcriptional Regulator Of Pseudohyphal Growth	Biological_Process
EDE1	YBL047C	No	Endocytic Protein	Response To Chemical
BEM4	YPL161C	No	Protein Involved In Establishment Of Cell Polarity And Bud Emergence	Signaling
HSP42	YDR171W	No	Small Heat Shock Protein (Shsp) With Chaperone Activity	Cytoskeleton Organization
	YEL043W	No	Predicted Cytoskeleton Protein Involved In Intracellular Signaling	Biological_Process
SSA3	YBL075C	No	Atpase Involved In Protein Folding And The Response To Stress	Protein Targeting
MKK2	YPL140C	No	Mapkk Involved In The Protein Kinase C Signaling Pathway	Signaling
UME6	YDR207C	No	Component Of The Rpd3L Histone Deacetylase Complex	Transcription From Rna Polymerase Ii Promoter
NPR2	YEL062W	No	Subunit Of Sea (Seh1-Associated), Npr2/3, And Iml1P Complexes	Response To Chemical
RPL23A	YBL087C	No	Ribosomal 60S Subunit Protein L23A	Miscellaneous
DBP1	YPL119C	No	Putative Atp-Dependent Rna Helicase Of The Dead-Box Protein Family	Miscellaneous
HOS2	YGL194C	No	Histone Deacetylase And Subunit Of Set3 And Rpd3L Complexes	Chromatin Organization
GPA2	YER020W	No	Nucleotide Binding Alpha Subunit Of The Heterotrimeric G Protein	Response To Chemical
KAP122	YGL016W	No	Karyopherin Beta	Protein Targeting
ELP4	YPL101W	No	Subunit Of Hexameric Reca-Like Atpase Elp456 Elongator Subcomplex	Transcription From Rna Polymerase Ii Promoter
VAM7	YGL212W	No	Vacuolar Snare Protein	Miscellaneous
HOM3	YER052C	No	Aspartate Kinase (L-Aspartate 4-P-Transferase)	Miscellaneous
RPL24A	YGL031C	No	Ribosomal 60S Subunit Protein L24A	Miscellaneous
PCH2	YBR186W	No	Hexameric Ring Atpase That Remodels Chromosome Axis Protein Hop1P	Organelle Fission
VID30	YGL227W	No	Central Component Of Gid Complex, Involved In Fbpase Degradation	Proteolysis Involved In Cellular Protein Catabolic Process
PTP3	YER075C	No	Phosphotyrosine-Specific Protein Phosphatase	Response To Chemical
TIF4632	YGL049C	No	Translation Initiation Factor Eif4G	Miscellaneous
MAD2	YIL030W	No	Component Of The Spindle-Assembly Checkpoint Complex	Mitotic Cell Cycle
BOI2	YER114C	No	Protein Implicated In Polar Growth, Functionally Redundant With Boi1P	Signaling
HCM1	YCR065W	No	Forkhead Transcription Factor	Transcription From Rna Polymerase Ii Promoter
GEF1	YJR040W	No	Voltage-Gated Chloride Channel	Miscellaneous
NEM1	YHR004C	No	Probable Catalytic Subunit Of Nem1P-Spo7P Phosphatase Holoenzyme	Lipid Metabolic Process
RTR1	YER139C	No	Ctd Phosphatase	Transcription From Rna Polymerase Ii Promoter
AHC2	YCR082W	No	Component Of The Ada Histone Acetyltransferase Complex	Chromatin Organization
APC4	YDR118W	Yes	Subunit Of The Anaphase-Promoting Complex/Cyclosome (Apc/C)	Protein Modification By Small Protein Conjugation Or Removal

PFS1	YHR185C	No	Sporulation Protein Required For Prospore Membrane Formation	Meiotic Cell Cycle
RAD4	YER162C	No	Protein That Recognizes And Binds Damaged DNA (With Rad23P) During Ner	Cellular Response To DNA Damage Stimulus
SPC1	YJR010C-A	No	Subunit Of The Signal Peptidase Complex (Spc)	Protein Targeting
TFG1	YGR186W	Yes	Tfiif (Transcription Factor Ii) Largest Subunit	Transcription From Rna Polymerase Ii Promoter
MCM22	YJR135C	No	Outer Kinetochore Protein And Component Of The Ctf3 Subcomplex	Mitotic Cell Cycle
PDA1	YER178W	No	E1 Alpha Subunit Of The Pyruvate Dehydrogenase (Pdh) Complex	Miscellaneous
RAD7	YJR052W	No	Protein That Binds Damaged DNA During Ner	Cellular Response To DNA Damage Stimulus
STH1	YIL126W	Yes	Atpase Component Of The Rsc Chromatin Remodeling Complex	Transcription From Rna Polymerase Ii Promoter
ATG17	YLR423C	No	Scaffold Protein Responsible For Phagophore Assembly Site Organization	Protein Phosphorylation
BRE1	YDL074C	No	E3 Ubiquitin Ligase	Transcription From Rna Polymerase Ii Promoter
HNT1	YDL125C	No	Adenosine 5'-Monophosphoramidase	Miscellaneous
RSC58	YLR033W	Yes	Component Of The Rsc Chromatin Remodeling Complex	Transcription From Rna Polymerase Ii Promoter
FMP27	YLR454W	No	Putative Protein Of Unknown Function	Biological_Process
MSH4	YFL003C	No	Protein Involved In Meiotic Recombination	Organelle Fission
AIR2	YDL175C	No	Rna-Binding Subunit Of The Tramp Nuclear Rna Surveillance Complex	Miscellaneous
CDC39	YCR093W	Yes	Component Of The Kinetochore-Associated Ndc80 Complex	Transcription From Rna Polymerase Ii Promoter
	YJR084W	No	Protein That Forms A Complex With Thp3P	Response To Chemical
BDF1	YLR399C	No	Protein Involved In Transcription Initiation	Chromatin Organization
SSN8	YNL025C	No	Cyclin-Like Component Of The Rna Polymerase Ii Holoenzyme	Transcription From Rna Polymerase Ii Promoter
NUT2	YPR168W	Yes	Subunit Of The Rna Polymerase Ii Mediator Complex	Transcription From Rna Polymerase Ii Promoter
SGM1	YJR134C	No	Protein Of Unknown Function	Biological_Process
MNN10	YDR245W	No	Subunit Of A Golgi Mannosyltransferase Complex	Carbohydrate Metabolic Process
SFB2	YNL049C	No	Component Of The Sec23P-Sfb2P Heterodimer Of The Copii Vesicle Coat	Protein Complex Biogenesis
CDC48	YDL126C	Yes	Aaa Atpase	Mitotic Cell Cycle
ERV41	YML067C	No	Protein Localized To Copii-Coated Vesicles	Golgi Vesicle Transport
SYS1	YJL004C	No	Integral Membrane Protein Of The Golgi	Protein Targeting
PG1	YNR032W	No	Putative Serine/Threonine Protein Phosphatase	Carbohydrate Metabolic Process
FCP1	YMR277W	Yes	Carboxy-Terminal Domain (Ctd) Phosphatase	Transcription From Rna Polymerase Ii Promoter
RTN2	YDL204W	No	Reticulon Protein	Miscellaneous
ECM33	YBR078W	No	Gpi-Anchored Protein Of Unknown Function	Miscellaneous
HHT1	YBR010W	No	Histone H3	Mitotic Cell Cycle
ESA1	YOR244W	Yes	Catalytic Subunit Of The Histone Acetyltransferase Complex (Nua4)	Transcription From Rna Polymerase Ii Promoter
PTP1	YDL230W	No	Phosphotyrosine-Specific Protein Phosphatase	Miscellaneous
ROX3	YBL093C	No	Subunit Of The Rna Polymerase Ii Mediator Complex	Transcription From Rna Polymerase Ii Promoter
RPL4A	YBR031W	No	Ribosomal 60S Subunit Protein L4A	Miscellaneous
TAF3	YPL011C	Yes	Tfiid Subunit (47 Kda)	Transcription From Rna Polymerase Ii Promoter
MAF1	YDR005C	No	Highly Conserved Negative Regulator Of Rna Polymerase Iii	Transcription From Rna Polymerase Ii Promoter
PUS4	YNL292W	No	Pseudouridine Synthase	Miscellaneous
MUM2	YBR057C	No	Protein Essential For Meiotic DNA Replication And Sporulation	Organelle Fission
CDC23	YHR166C	Yes	Subunit Of The Anaphase-Promoting Complex/Cyclosome (Apc/C)	Protein Modification By Small Protein Conjugation Or Removal
BUD14	YAR014C	No	Protein Involved In Bud-Site Selection	Protein Complex Biogenesis
QCR10	YHR001W-A	No	Subunit Of The Ubiquinol-Cytochrome C Oxidoreductase Complex	Miscellaneous
YKU70	YMR284W	No	Subunit Of The Telomeric Ku Complex (Yku70P-Yku80P)	Chromatin Organization
KTI12	YKL110C	No	Protein That Plays A Role In Modification Of Trna Wobble Nucleosides	Transcription From Rna Polymerase Ii Promoter
SSA2	YLL024C	No	Atp-Binding Protein	Protein Targeting
SSF1	YHR066W	No	Constituent Of 66S Pre-Ribosomal Particles	Miscellaneous
GAS1	YMR307W	No	Beta-1,3-Glucanosyltransferase	Miscellaneous
ELF1	YKL160W	No	Transcription Elongation Factor With A Conserved Zinc Finger Domain	Transcription From Rna Polymerase Ii Promoter
POM34	YLR018C	No	Subunit Of The Transmembrane Ring Of The Nuclear Pore Complex (Npc)	Protein Complex Biogenesis
GGA2	YHR108W	No	Protein That Regulates Arf1P, Arf2P To Facilitate Golgi Trafficking	Protein Targeting
STB1	YNL309W	No	Protein With Role In Regulation Of Mbf-Specific Transcription At Start	Transcription From Rna Polymerase Ii Promoter
	YGR054W	No	Eukaryotic Initiation Factor (Eif) 2A	Miscellaneous
ARP6	YLR085C	No	Actin-Related Protein That Binds Nucleosomes	Chromatin Organization
MTC6	YHR151C	No	Protein Of Unknown Function	Biological_Process
MID1	YNL291C	No	N-Glycosylated Integral Membrane Protein Of The Er And Plasma Membrane	Miscellaneous
RPL11B	YGR085C	No	Ribosomal 60S Subunit Protein L11B	Miscellaneous
HOG1	YLR113W	No	Mitogen-Activated Protein Kinase Involved In Osmoregulation	Transcription From Rna Polymerase Ii Promoter
PTH1	YHR189W	No	One Of Two Mitochondrially-Localized Peptidyl-Trna Hydrolases	Miscellaneous
VPS75	YNL246W	No	Nap Family Histone Chaperone	Chromatin Organization
RPS23A	YGR118W	No	Ribosomal Protein 28 (Rp28) Of The Small (40S) Ribosomal Subunit	Miscellaneous
SPC2	YML055W	No	Subunit Of Signal Peptidase Complex	Protein Targeting
SGF29	YCL010C	No	Component Of The Hat/Core Module Of The Saga, Slik, And Ada Complexes	Transcription From Rna Polymerase Ii Promoter
HST3	YOR025W	No	Member Of The Sir2 Family Of Nad(+)-Dependent Protein Deacetylases	Chromatin Organization
LEO1	YOR123C	No	Component Of The Paf1 Complex	Transcription From Rna Polymerase Ii Promoter
TSA1	YML028W	No	Thioredoxin Peroxidase	Cellular Response To DNA Damage Stimulus
EMC1	YCL045C	No	Member Of Conserved Endoplasmic Reticulum Membrane Complex	Miscellaneous
CKB2	YOR039W	No	Beta' Regulatory Subunit Of Casein Kinase 2 (Ck2)	Cellular Response To DNA Damage Stimulus
NF1	YOR156C	No	Sumo E3 Ligase	Protein Modification By Small Protein Conjugation Or Removal
YAP1	YML007W	No	Basic Leucine Zipper (Bzip) Transcription Factor	Transcription From Rna Polymerase Ii Promoter
CWH43	YCR017C	No	Putative Sensor/Transporter Protein Involved In Cell Wall Biogenesis	Lipid Metabolic Process
CYT1	YOR065W	No	Cytochrome C1	Miscellaneous

SLK19	YOR195W	No	Kinetochore-Associated Protein Required For Chromosome Segregation	Mitotic Cell Cycle
PEP8	YJL053W	No	Vacuolar Protein Component Of The Retromer	Miscellaneous
CK11	YLR133W	No	Choline Kinase	Lipid Metabolic Process
BUD21	YOR078W	No	Component Of Small Ribosomal Subunit (Ssu) Processosome	Miscellaneous
KIN4	YOR233W	No	Serine/Threonine Protein Kinase	Mitotic Cell Cycle
MIH1	YMR036C	No	Protein Tyrosine Phosphatase Involved In Cell Cycle Control	Mitotic Cell Cycle
SAM1	YLR180W	No	S-Adenosylmethionine Synthetase	Miscellaneous
SNF2	YOR290C	No	Catalytic Subunit Of The Swi/Snf Chromatin Remodeling Complex	Transcription From Rna Polymerase Ii Promoter
MPD1	YOR288C	No	Member Of The Protein Disulfide Isomerase (Pdi) Family	Miscellaneous
NUP53	YMR153W	No	Fg-Nucleoporin Component Of Central Core Of Nuclear Pore Complex (Npc)	Mitotic Cell Cycle
MMR1	YLR190W	No	Phosphorylated Protein Of The Mitochondrial Outer Membrane	Miscellaneous
SLY41	YOR307C	No	Protein Involved In Er-To-Golgi Transport	Golgi Vesicle Transport
RCY1	YJL204C	No	F-Box Protein Involved In Recycling Endocytosed Proteins	Golgi Vesicle Transport
SPT21	YMR179W	No	Protein With A Role In Transcriptional Silencing	Transcription From Rna Polymerase Ii Promoter
ENT2	YLR206W	No	Epsin-Like Protein Required For Endocytosis And Actin Patch Assembly	Cytoskeleton Organization
RPL20B	YOR312C	No	Ribosomal 60S Subunit Protein L20B	Miscellaneous
RPS22A	YJL190C	No	Protein Component Of The Small (40S) Ribosomal Subunit	Miscellaneous
NPR1	YNL183C	No	Protein Kinase	Lipid Metabolic Process
SGN1	YIR001C	No	Cytoplasmic Rna-Binding Protein	Miscellaneous
IRC21	YMR073C	No	Putative Protein Of Unknown Function	Response To Chemical
	YPR022C	No	Putative Transcription Factor, As Suggested By Computational Analysis	Biological_Process
ADD66	YKL206C	No	Protein Involved In 20S Proteasome Assembly	Protein Complex Biogenesis
IOC3	YFR013W	No	Subunit Of The Isw1A Complex	Chromatin Organization
MSH2	YOL090W	No	Protein That Binds To DNA Mismatches	Cellular Response To DNA Damage Stimulus
UBC4	YBR082C	No	Ubiquitin-Conjugating Enzyme (E2)	Protein Modification By Small Protein Conjugation Or Removal
MEH1	YKR007W	No	Component Of The Ego And Gse Complexes	Miscellaneous
TPM1	YNL079C	No	Major Isoform Of Tropomyosin	Cytoskeleton Organization
VHR2	YER064C	No	Non-Essential Nuclear Protein	Miscellaneous
AIM3	YBR108W	No	Protein Interacting With Rvs167P	Protein Complex Biogenesis
RHO4	YKR055W	No	Non-Essential Small Gtpase	Regulation Of Organelle Organization
NC52	YNL119W	No	Protein Required For Uridine Thiolation Of Lys(Uuu) And Glu(Uuc) Trnas	Protein Modification By Small Protein Conjugation Or Removal
SVP26	YHR181W	No	Integral Membrane Protein Of The Early Golgi Apparatus And Er	Carbohydrate Metabolic Process
TOS1	YBR162C	No	Covalently-Bound Cell Wall Protein Of Unknown Function	Biological_Process
SWM1	YDR260C	No	Subunit Of The Anaphase-Promoting Complex (Apc)	Mitotic Cell Cycle
DBF2	YGR092W	No	Ser/Thr Kinase Involved In Transcription And Stress Response	Organelle Fission
VP59	YML097C	No	Guanine Nucleotide Exchange Factor (Gef)	Protein Targeting
SLX5	YDL013W	No	Subunit Of The Slx5-Slx8 Sumo-Targeted Ubiquitin Ligase Complex	Cellular Response To DNA Damage Stimulus
SUR2	YDR297W	No	Sphinganine C4-Hydroxylase	Lipid Metabolic Process
SAP190	YKR028W	No	Protein That Forms A Complex With The Sit4P Protein Phosphatase	Mitotic Cell Cycle
	YML119W	No	Putative Protein Of Unknown Function	Biological_Process
RAD59	YDL059C	No	Protein Involved DNA Double-Strand Break Repair	Cellular Response To DNA Damage Stimulus
SWA2	YDR320C	No	Auxilin-Like Protein Involved In Vesicular Transport	Miscellaneous
TBS1	YBR150C	No	Putative Protein Of Unknown Function	Biological_Process
YKU80	YMR106C	No	Subunit Of The Telomeric Ku Complex (Yku70P-Yku80P)	Chromatin Organization
ASM4	YDL088C	No	Fg-Nucleoporin Component Of Central Core Of Nuclear Pore Complex (Npc)	Mitotic Cell Cycle
TIR3	YIL011W	No	Cell Wall Mannoprotein	Biological_Process
SNF5	YBR289W	No	Subunit Of The Swi/Snf Chromatin Remodeling Complex	Transcription From Rna Polymerase Ii Promoter
POM152	YMR129W	No	Glycoprotein Subunit Of Transmembrane Ring Of Nuclear Pore Complex	Protein Complex Biogenesis
SSN2	YDR443C	No	Subunit Of The Rna Polymerase Ii Mediator Complex	Transcription From Rna Polymerase Ii Promoter
TED1	YIL039W	No	Conserved Phosphoesterase Domain-Containing Protein	Golgi Vesicle Transport
ABP1	YCR088W	No	Actin-Binding Protein Of The Cortical Actin Cytoskeleton	Protein Complex Biogenesis
SRO7	YPR032W	No	Effector Of Rab Gtpase Sec4P	Signaling
PEX29	YDR479C	No	Peroxisomal Integral Membrane Peroxin	Miscellaneous
AIR1	YIL079C	No	Zinc Knuckle Protein	Miscellaneous
ARC18	YLR370C	No	Subunit Of The Arp2/3 Complex	Cytoskeleton Organization
SMK1	YPR054W	No	Middle Sporulation-Specific Mitogen-Activated Protein Kinase (Mapk)	Meiotic Cell Cycle
ITR1	YDR497C	No	Myo-Inositol Transporter	Miscellaneous
URM1	YIL008W	No	Ubiquitin-Like Protein Involved In Thiolation Of Cytoplasmic Trnas	Response To Chemical
VPS71	YML041C	No	Nucleosome-Binding Component Of The Swr1 Complex	Chromatin Organization
HOS1	YPR068C	No	Class I Histone Deacetylase (Hdac) Family Member	Transcription From Rna Polymerase Ii Promoter
EMI1	YDR512C	No	Non-Essential Protein Of Unknown Function	Transcription From Rna Polymerase Ii Promoter
RPL34B	YIL052C	No	Ribosomal 60S Subunit Protein L34B	Miscellaneous
CSM3	YMR048W	No	Replication Fork Associated Factor	Mitotic Cell Cycle
OPY2	YPR075C	No	Integral Membrane Protein That Acts As A Membrane Anchor For Ste50P	Response To Chemical
CUE3	YGL110C	No	Protein Of Unknown Function	Biological_Process
MDM38	YOL027C	No	Mitochondrial Protein	Protein Complex Biogenesis
VID22	YLR373C	No	Glycosylated Integral Membrane Protein Localized To Plasma Membrane	Miscellaneous
BMH2	YDR099W	No	14-3-3 Protein, Minor Isoform	Mitotic Cell Cycle
ISR1	YPR106W	No	Predicted Protein Kinase	Biological_Process
GSH2	YOL049W	No	Glutathione Synthetase	Miscellaneous
ATP10	YLR393W	No	Assembly Factor For The F0 Sector Of Mitochondrial F1F0 Atp Synthase	Protein Complex Biogenesis



ECM18	YDR125C	No	Protein Of Unknown Function	Biological_Process
TAZ1	YPR140W	No	Lyso-Phosphatidylcholine Acyltransferase	Protein Complex Biogenesis
RTG1	YOL067C	No	Transcription Factor (Bhlh) Involved In Interorganelle Communication	Transcription From Rna Polymerase Ii Promoter
EST1	YLR233C	No	Tlc1 Rna-Associated Factor Involved In Telomere Length Regulation	Miscellaneous
GGA1	YDR358W	No	Golgi-Localized Protein With Homology To Gamma-Adaptin	Protein Targeting
SKI3	YPR189W	No	Ski Complex Component And Tpr Protein	Miscellaneous
GAL4	YPL248C	No	DNA-Binding Transcription Factor Required For Activating Gal Genes	Transcription From Rna Polymerase Ii Promoter
PDR8	YLR266C	No	Transcription Factor	Transcription From Rna Polymerase Ii Promoter
EFT2	YDR385W	No	Elongation Factor 2 (Ef-2), Also Encoded By Eft1	Miscellaneous
HSV2	YGR223C	No	Phosphatidylinositol 3,5-Bisphosphate-Binding Protein	Miscellaneous
PUS1	YPL212C	No	Trna:Pseudouridine Synthase	Miscellaneous
SEC72	YLR292C	No	Non-Essential Subunit Of Sec63 Complex	Protein Targeting
ERD1	YDR414C	No	Predicted Membrane Protein Required For Luminal Er Protein Retention	Carbohydrate Metabolic Process
PEP1	YBL017C	No	Type I Transmembrane Sorting Receptor For Multiple Vacuolar Hydrolases	Protein Targeting
TCO89	YPL180W	No	Subunit Of Torc1 (Tor1P Or Tor2P-Kog1P-Lst8P-Tco89P)	Signaling
ENT5	YDR153C	No	Protein Containing An N-Terminal Epsin-Like Domain	Golgi Vesicle Transport
VAC8	YEL013W	No	Phosphorylated And Palmitoylated Vacuolar Membrane Protein	Protein Targeting
PIN4	YBL051C	No	Protein Involved In G2/M Phase Progression And Response To DNA Damage	Mitotic Cell Cycle
TGS1	YPL157W	No	Trimethyl Guanosine Synthase, Conserved Nucleolar Methyl Transferase	Organelle Fission
ARG82	YDR173C	No	Inositol Polyphosphate Multikinase (Ipmk)	Transcription From Rna Polymerase Ii Promoter
FRD1	YEL047C	No	Soluble Fumarate Reductase	Response To Chemical
ATG8	YBL078C	No	Component Of Autophagosomes And Cvt Vesicles	Protein Targeting
UME1	YPL139C	No	Component Of Both The Rpd3S And Rpd3L Histone Deacetylase Complexes	Transcription From Rna Polymerase Ii Promoter
RAD9	YDR217C	No	DNA Damage-Dependent Checkpoint Protein	Transcription From Rna Polymerase Ii Promoter
AVT2	YEL064C	No	Putative Transporter	Miscellaneous
TEL1	YBL088C	No	Protein Kinase Primarily Involved In Telomere Length Regulation	Chromatin Organization
HOS3	YPL116W	No	Trichostatin A-Insensitive Homodimeric Histone Deacetylase (Hdac)	Transcription From Rna Polymerase Ii Promoter
GCN1	YGL195W	No	Positive Regulator Of The Gcn2P Kinase Activity	Miscellaneous
CHZ1	YER030W	No	Histone Chaperone For Htz1P/H2A-H2B Dimer	Chromatin Organization
CKB1	YGL019W	No	Beta Regulatory Subunit Of Casein Kinase 2 (Ck2)	Cellular Response To DNA Damage Stimulus
ATG21	YPL100W	No	Phosphoinositide Binding Protein	Protein Targeting
SKI8	YGL213C	No	Ski Complex Component And Wd-Repeat Protein	Organelle Fission
CEM1	YER061C	No	Mitochondrial Beta-Keto-Acyl Synthase	Lipid Metabolic Process
MIG1	YGL035C	No	Transcription Factor Involved In Glucose Repression	Transcription From Rna Polymerase Ii Promoter
AIM4	YBR194W	No	Protein Proposed To Be Associated With The Nuclear Pore Complex	Biological_Process
SHE10	YGL228W	No	Protein Involved In Outer Spore Wall Assembly	Meiotic Cell Cycle
GET2	YER083C	No	Subunit Of The Get Complex	Golgi Vesicle Transport
ERV14	YGL054C	No	Copii-Coated Vesicle Protein	Mitotic Cell Cycle
NGR1	YBR212W	No	Rna Binding Protein That Negatively Regulates Growth Rate	Miscellaneous
RTF1	YGL244W	No	Subunit Of Rnapii-Associated Chromatin Remodeling Paf1 Complex	Transcription From Rna Polymerase Ii Promoter
PEX4	YGR133W	No	Peroxisomal Ubiquitin Conjugating Enzyme	Protein Modification By Small Protein Conjugation Or Removal
SGF73	YGL066W	No	Saga Complex Subunit	Transcription From Rna Polymerase Ii Promoter
STP2	YHR006W	No	Transcription Factor	Transcription From Rna Polymerase Ii Promoter
PEA2	YER149C	No	Coiled-Coil Polarisome Protein	Mitotic Cell Cycle
CSM1	YCR086W	No	Nucleolar Protein That Mediates Homolog Segregation During Meiosis I	Mitotic Cell Cycle
TAF10	YDR167W	Yes	Subunit (145 Kda) Of Tfiid And Saga Complexes	Transcription From Rna Polymerase Ii Promoter
MDM31	YHR194W	No	Mitochondrial Protein That May Have A Role In Phospholipid Metabolism	Lipid Metabolic Process
CHD1	YER164W	No	Chromatin Remodeler That Regulates Various Aspects Of Transcription	Transcription From Rna Polymerase Ii Promoter
	YJR011C	No	Putative Protein Of Unknown Function	Biological_Process
TFA1	YKL028W	Yes	Tfiie Large Subunit	Transcription From Rna Polymerase Ii Promoter
SRP40	YKR092C	No	Nucleolar Serine-Rich Protein	Miscellaneous
FAR3	YMR052W	No	Protein Of Unknown Function	Response To Chemical
BFA1	YJR053W	No	Component Of The Gtpase-Activating Bfa1P-Bub2P Complex	Mitotic Cell Cycle
CKS1	YBR135W	Yes	Cyclin-Dependent Protein Kinase Regulatory Subunit And Adaptor	Mitotic Cell Cycle
TUS1	YLR425W	No	Guanine Nucleotide Exchange Factor (Gef) That Modulate Rho1P Activity	Signaling
SNF1	YDR477W	No	Amp-Activated Serine/Threonine Protein Kinase	Protein Phosphorylation
RPP1B	YDL130W	No	Ribosomal Protein P1 Beta	Protein Phosphorylation
RGR1	YLR071C	Yes	Subunit Of The Rna Polymerase Ii Mediator Complex	Transcription From Rna Polymerase Ii Promoter
SAM37	YMR060C	No	Component Of The Sorting And Assembly Machinery (Sam) Complex	Protein Complex Biogenesis
BLM10	YFL007W	No	Proteasome Activator	Protein Complex Biogenesis
	YDL176W	No	Protein Of Unknown Function	Biological_Process
APC11	YDL008W	Yes	Catalytic Core Subunit, Anaphase-Promoting Complex/Cyclosome (Apc/C)	Protein Modification By Small Protein Conjugation Or Removal
IME1	YJR094C	No	Master Regulator Of Meiosis That Is Active Only During Meiotic Events	Transcription From Rna Polymerase Ii Promoter
DOC1	YGL240W	No	Processivity Factor	Mitotic Cell Cycle
CRZ1	YNL027W	No	Transcription Factor, Activates Transcription Of Stress Response Genes	Transcription From Rna Polymerase Ii Promoter
MET30	YIL046W	Yes	F-Box Protein Containing Five Copies Of The Wd40 Motif	Transcription From Rna Polymerase Ii Promoter
HOM6	YJR139C	No	Homoserine Dehydrogenase (L-Homoserine:Nadp Oxidoreductase)	Miscellaneous
LPD1	YFL018C	No	Dihydroipoamide Dehydrogenase	Miscellaneous
SWM2	YNR004W	No	Protein With A Role In Snrna And Snorna Cap Trimethylation	Miscellaneous
RPB11	YOL005C	Yes	Rna Polymerase Ii Subunit B12.5	Transcription From Rna Polymerase Ii Promoter
TCB3	YML072C	No	Cortical Er Protein Involved In Er-Plasma Membrane Tethering	Lipid Metabolic Process

MAD3	YJL013C	No	Subunit Of Spindle-Assembly Checkpoint Complex	Mitotic Cell Cycle
COQ2	YNR041C	No	Para Hydroxybenzoate Polyprenyl Transferase	Miscellaneous
MED4	YOR174W	Yes	Subunit Of The Rna Polymerase Ii Mediator Complex	Transcription From Rna Polymerase Ii Promoter
NOP6	YDL213C	No	Rna-Binding Protein Required For 40S Ribosomal Subunit Biogenesis	Miscellaneous
NAT1	YDL040C	No	Subunit Of Protein N-Terminal Acetyltransferase Nata	Miscellaneous
MNN2	YBR015C	No	Alpha-1,2-Mannosyltransferase	Carbohydrate Metabolic Process
HRT1	YOL133W	Yes	Ring-H2 Domain Core Subunit Of Multiple Ubiquitin Ligase Complexes	Mitotic Cell Cycle
OST4	YDL232W	No	Subunit Of The Oligosaccharyltransferase Complex Of The Er Lumen	Carbohydrate Metabolic Process
CYC8	YBR112C	No	General Transcriptional Co-Repressor	Transcription From Rna Polymerase Ii Promoter
HMT1	YBR034C	No	Nuclear Sam-Dependent Mono- And Asymmetric Methyltransferase	Transcription From Rna Polymerase Ii Promoter
APC5	YOR249C	Yes	Subunit Of The Anaphase-Promoting Complex/Cyclosome (Apc/C)	Chromatin Organization
GAL3	YDR009W	No	Transcriptional Regulator	Transcription From Rna Polymerase Ii Promoter
SAP30	YMR263W	No	Component Of Rpd3L Histone Deacetylase Complex	Transcription From Rna Polymerase Ii Promoter
UBP14	YBR058C	No	Ubiquitin-Specific Protease	Proteolysis Involved In Cellular Protein Catabolic Process
MED7	YOL135C	Yes	Subunit Of The Rna Polymerase Ii Mediator Complex	Transcription From Rna Polymerase Ii Promoter
FMP21	YBR269C	No	Putative Protein Of Unknown Function	Biological_Process
MRPL36	YBR122C	No	Mitochondrial Ribosomal Protein Of The Large Subunit	Miscellaneous
TAT1	YBR069C	No	Amino Acid Transporter For Valine, Leucine, Isoleucine, And Tyrosine	Miscellaneous
BST1	YFL025C	No	Gpi Inositol Deacylase Of The Endoplasmic Reticulum (Er)	Proteolysis Involved In Cellular Protein Catabolic Process
ENT4	YLL038C	No	Protein Of Unknown Function	Cytoskeleton Organization
NMD2	YHR077C	No	Protein Involved In The Nonsense-Mediated Mrna Decay (Nmd) Pathway	Miscellaneous
RPD3	YNL330C	No	Histone Deacetylase, Component Of Both The Rpd3S And Rpd3L Complexes	Transcription From Rna Polymerase Ii Promoter
TPK3	YKL166C	No	Camp-Dependent Protein Kinase Catalytic Subunit	Signaling
IRC25	YLR021W	No	Component Of A Heterodimeric Poc4P-Irc25P Chaperone	Protein Complex Biogenesis
UBA4	YHR111W	No	Protein That Activates Urm1P Before Urmylation	Response To Chemical
MSG5	YNL053W	No	Dual-Specificity Protein Phosphatase	Response To Chemical
RSC1	YGR056W	No	Component Of The Rsc Chromatin Remodeling Complex	Transcription From Rna Polymerase Ii Promoter
CSF1	YLR087C	No	Protein Required For Fermentation At Low Temperature	Miscellaneous
RTT107	YHR154W	No	Protein Implicated In Mms22-Dependent DNA Repair During S Phase	Cellular Response To DNA Damage Stimulus
CAF40	YNL288W	No	Component Of The Ccr4-Not Transcriptional Complex	Transcription From Rna Polymerase Ii Promoter
ASK10	YGR097W	No	Component Of Rna Polymerase Ii Holoenzyme	Transcription From Rna Polymerase Ii Promoter
AVL9	YLR114C	No	Conserved Protein Involved In Exocytic Transport From The Golgi	Golgi Vesicle Transport
RPN10	YHR200W	No	Non-Atpase Base Subunit Of The 19S Rp Of The 26S Proteasome	Proteolysis Involved In Cellular Protein Catabolic Process
RRP6	YOR001W	No	Nuclear Exosome Exonuclease Component	Miscellaneous
	YGR122W	No	Protein That May Be Involved In Ph Regulation	Transcription From Rna Polymerase Ii Promoter
GAL80	YML051W	No	Transcriptional Regulator Involved In The Repression Of Gal Genes	Transcription From Rna Polymerase Ii Promoter
GBP2	YCL011C	No	Poly(A+) Rna-Binding Protein	Miscellaneous
BUB3	YOR026W	No	Kinetochore Checkpoint Wd40 Repeat Protein	Mitotic Cell Cycle
UBP2	YOR124C	No	Ubiquitin-Specific Protease	Protein Modification By Small Protein Conjugation Or Removal
OST6	YML019W	No	Subunit Of The Oligosaccharyltransferase Complex Of The Er Lumen	Protein Complex Biogenesis
APA1	YCL050C	No	Ap4A Phosphorylase	Miscellaneous
CUE5	YOR042W	No	Ubiquitin-Binding Protein	Biological_Process
SEY1	YOR165W	No	Dynammin-Like Gtpase That Mediates Homotypic Er Fusion	Miscellaneous
YPT7	YML001W	No	Rab Family Gtpase	Regulation Of Organelle Organization
MAK32	YCR019W	No	Protein Necessary For Stability Of L-A Dsrna-Containing Particles	Miscellaneous
ALG8	YOR067C	No	Glucosyl Transferase	Lipid Metabolic Process
PTP2	YOR208W	No	Phosphotyrosine-Specific Protein Phosphatase	Signaling
UBC7	YMR022W	No	Ubiquitin Conjugating Enzyme	Chromatin Organization
SLX4	YLR135W	No	Endonuclease Involved In Processing DNA	Cellular Response To DNA Damage Stimulus
DIA2	YOR080W	No	Origin-Binding F-Box Protein	Protein Modification By Small Protein Conjugation Or Removal
RPL33B	YOR234C	No	Ribosomal 60S Subunit Protein L33B	Miscellaneous
SUB1	YMR039C	No	Transcriptional Coactivator	Transcription From Rna Polymerase Ii Promoter
VTA1	YLR181C	No	Multivesicular Body (Mvb) Protein	Protein Complex Biogenesis
TIM18	YOR297C	No	Component Of The Mitochondrial Tim22 Complex	Response To Chemical
HXT8	YJL214W	No	Protein Of Unknown Function With Similarity To Hexose Transporters	Miscellaneous
HLJ1	YMR161W	No	Co-Chaperone For Hsp40P	Proteolysis Involved In Cellular Protein Catabolic Process
PEX13	YLR191W	No	Integral Peroxisomal Membrane Protein	Protein Complex Biogenesis
SNU66	YOR308C	No	Component Of The U4/U6.U5 Snrnp Complex	Miscellaneous
PHO90	YJL198W	No	Low-Affinity Phosphate Transporter	Miscellaneous
HSC82	YMR186W	No	Cytoplasmic Chaperone Of The Hsp90 Family	Protein Complex Biogenesis
HRD3	YLR207W	No	Er Membrane Protein That Plays A Central Role In Erad	Proteolysis Involved In Cellular Protein Catabolic Process
PMT3	YOR321W	No	Protein O-Mannosyltransferase	Carbohydrate Metabolic Process
SWE1	YJL187C	No	Protein Kinase That Regulates The G2/M Transition	Mitotic Cell Cycle
CIK1	YMR198W	No	Kinesin-Associated Protein	Mitotic Cell Cycle
CPR6	YLR216C	No	Peptidyl-Prolyl Cis-Trans Isomerase (Cyclophilin)	Miscellaneous
SNC2	YOR327C	No	Vesicle Membrane Receptor Protein (V-Snare)	Golgi Vesicle Transport
SWI3	YJL176C	No	Subunit Of The Swi/Snf Chromatin Remodeling Complex	Transcription From Rna Polymerase Ii Promoter
EMC3	YKL207W	No	Member Of Conserved Er Transmembrane Complex	Miscellaneous
COG5	YNL051W	No	Component Of The Conserved Oligomeric Golgi Complex	Protein Targeting
TRM10	YOL093W	No	Trna Methyltransferase	Miscellaneous
PHO5	YBR093C	No	Repressible Acid Phosphatase	Miscellaneous

VPS51	YKR020W	No	Component Of The Garp (Golgi-Associated Retrograde Protein) Complex	Protein Targeting
EOS1	YNL080C	No	Protein Involved In N-Glycosylation	Response To Chemical
	YER077C	No	Putative Protein Of Unknown Function	Biological_Process
RAD16	YBR114W	No	Protein That Binds Damaged DNA During Ner	Cellular Response To DNA Damage Stimulus
	TIF1	No	Translation Initiation Factor Eif4A	Miscellaneous
RPL41B	YDL133C-A	No	Ribosomal 60S Subunit Protein L41B	Miscellaneous
RAD5	YLR032W	No	DNA Helicase/Ubiquitin Ligase	Cellular Response To DNA Damage Stimulus
YSY6	YBR162W-A	No	Protein Of Unknown Function	Miscellaneous
PEX10	YDR265W	No	Peroxisomal Membrane E3 Ubiquitin Ligase	Protein Modification By Small Protein Conjugation Or Removal
RPS21B	YJL136C	No	Protein Component Of The Small (40S) Ribosomal Subunit	Miscellaneous
TSL1	YML100W	No	Large Subunit Of Trehalose 6-Phosphate Synthase/Phosphatase Complex	Carbohydrate Metabolic Process
RPN4	YDL020C	No	Transcription Factor That Stimulates Expression Of Proteasome Genes	Transcription From Rna Polymerase Ii Promoter
CPR5	YDR304C	No	Peptidyl-Prolyl Cis-Trans Isomerase (Cyclophilin) Of The Er	Biological_Process
SET3	YKR029C	No	Defining Member Of The Set3 Histone Deacetylase Complex	Chromatin Organization
GTR1	YML121W	No	Cytoplasmic Gtpase	Signaling
RPS29B	YDL061C	No	Protein Component Of The Small (40S) Ribosomal Subunit	Miscellaneous
PEX3	YDR329C	No	Peroxisomal Membrane Protein (Pmp)	Protein Targeting
PEX32	YBR168W	No	Peroxisomal Integral Membrane Protein	Miscellaneous
MYO5	YMR109W	No	One Of Two Type I Myosins	Mitotic Cell Cycle
NUR1	YDL089W	No	Protein Of Unknown Function	Miscellaneous
EMC5	YIL027C	No	Member Of Conserved Er Transmembrane Complex	Miscellaneous
RIM1	YCR028C-A	No	Ssdna-Binding Protein Essential For Mitochondrial Genome Maintenance	Miscellaneous
REC114	YMR133W	No	Protein Involved In Early Stages Of Meiotic Recombination	Organelle Fission
ADA2	YDR448W	No	Transcription Coactivator	Transcription From Rna Polymerase Ii Promoter
APQ12	YIL040W	No	Protein Required For Nuclear Envelope Morphology	Lipid Metabolic Process
FIG2	YCR089W	No	Cell Wall Adhesin, Expressed Specifically During Mating	Response To Chemical
THP3	YPR045C	No	Protein That May Have A Role In Transcription Elongation	Miscellaneous
CWC21	YDR482C	No	Protein Involved In Rna Splicing By The Spliceosome	Miscellaneous
CST9	YLR394W	No	Sumo E3 Ligase	Organelle Fission
BRR1	YPR057W	No	Snrnp Protein Component Of Spliceosomal Snrnps	Miscellaneous
RPL37B	YDR500C	No	Ribosomal 60S Subunit Protein L37B	Miscellaneous
NOT3	YIL038C	No	Subunit Of Ccr4-Not Global Transcriptional Regulator	Transcription From Rna Polymerase Ii Promoter
PRM6	YML047C	No	Potassium Transporter That Mediates K+ Influx	Miscellaneous
SPE3	YPR069C	No	Spermidine Synthase	Miscellaneous
KRE28	YDR532C	No	Subunit Of A Kinetochore-Microtubule Binding Complex	Biological_Process
HXT10	YFL011W	No	Putative Hexose Transporter	Miscellaneous
CIN4	YMR138W	No	Gtp-Binding Protein Involved In Beta-Tubulin (Tub2P) Folding	Protein Complex Biogenesis
	YPR084W	No	Putative Protein Of Unknown Function	Biological_Process
SNF4	YGL115W	No	Activating Gamma Subunit Of The Amp-Activated Snf1P Kinase Complex	Transcription From Rna Polymerase Ii Promoter
RTT10	YPL183C	No	Wd40 Domain-Containing Protein Involved In Endosomal Recycling	Miscellaneous
LSM1	YJL124C	No	Lsm (Like Sm) Protein	Miscellaneous
SCS3	YGL126W	No	Protein Required For Inositol Prototrophy	Lipid Metabolic Process
GAL11	YOL051W	No	Subunit Of The Rna Polymerase Ii Mediator Complex	Transcription From Rna Polymerase Ii Promoter
SKI2	YLR398C	No	Ski Complex Component And Putative Rna Helicase	Miscellaneous
SWF1	YDR126W	No	Palmitoyltransferase That Acts On Transmembrane Proteins	Meiotic Cell Cycle
KAR3	YPR141C	No	Minus-End-Directed Microtubule Motor	Mitotic Cell Cycle
HST1	YOL068C	No	Nad(+)-Dependent Histone Deacetylase	Chromatin Organization
TOP3	YLR234W	No	DNA Topoisomerase Iii	Mitotic Cell Cycle
EAF1	YDR359C	No	Component Of The Nua4 Histone Acetyltransferase Complex	Chromatin Organization
SEM1	YDR363W-A	No	Component Of Lid Subcomplex Of 26S Proteasome Regulatory Subunit	Protein Complex Biogenesis
BOP2	YLR267W	No	Protein Of Unknown Function	Biological_Process
MUS81	YDR386W	No	Subunit Of Structure-Specific Mms4P-Mus81P Endonuclease	Cellular Response To DNA Damage Stimulus
DIE2	YGR227W	No	Dolichyl-Phosphoglucose-Dependent Alpha-1,2 Glucosyltransferase	Carbohydrate Metabolic Process
OXR1	YPL196W	No	Protein Of Unknown Function Required For Oxidative Damage Resistance	Response To Chemical
UBC12	YLR306W	No	Enzyme That Mediates The Conjugation Of Rub1P	Protein Modification By Small Protein Conjugation Or Removal
HKR1	YDR420W	No	Mucin Family Member That Functions As An Osmosensor In The Hog Pathway	Mitotic Cell Cycle
HAP3	YBL021C	No	Subunit Of The Hap2P/3P/4P/5P Ccaat-Binding Complex	Transcription From Rna Polymerase Ii Promoter
CBC2	YPL178W	No	Small Subunit Of The Heterodimeric Cap Binding Complex With Sto1P	Miscellaneous
CPR1	YDR155C	No	Cytoplasmic Peptidyl-Prolyl Cis-Trans Isomerase (Cyclophilin)	Chromatin Organization
EDC3	YEL015W	No	Non-Essential Conserved Protein With A Role In Mrna Decapping	Miscellaneous
SAS3	YBL052C	No	Histone Acetyltransferase Catalytic Subunit Of Nua3 Complex	Chromatin Organization
KIP2	YPL155C	No	Kinesin-Related Motor Protein Involved In Mitotic Spindle Positioning	Regulation Of Organelle Organization
NGG1	YDR176W	No	Subunit Of Chromatin Modifying Histone Acetyltransferase Complexes	Chromatin Organization
TCA17	YEL048C	No	Subunit Of Trappii	Protein Complex Biogenesis
NUP170	YBL079W	No	Subunit Of The Inner Ring Of The Nuclear Pore Complex (Npc)	Mitotic Cell Cycle
MF81	YDR219C	No	Mitochondria-Associated F-Box Protein	Proteolysis Involved In Cellular Protein Catabolic Process
NOP16	YER002W	No	Constituent Of 66S Pre-Ribosomal Particles	Miscellaneous
AIM44	YPL158C	No	Protein That Regulates Cdc42P And Rho1P	Miscellaneous
BEM3	YPL115C	No	Rho Gtpase Activating Protein (Rhogap)	Signaling
DSD1	YGL196W	No	D-Serine Dehydratase (Aka D-Serine Ammonia-Lyase)	Miscellaneous
FIR1	YER032W	No	Protein Involved In 3' Mrna Processing	Miscellaneous

PGD1	YGL025C	No	Subunit Of The Rna Polymerase Ii Mediator Complex	Transcription From Rna Polymerase Ii Promoter
SWD3	YBR175W	No	Essential Subunit Of The Compass (Set1C) Complex	Chromatin Organization
KIP3	YGL216W	No	Kinesin-Related Motor Protein Involved In Mitotic Spindle Positioning	Mitotic Cell Cycle
MOT2	YER068W	No	Ubiquitin-Protein Ligase Subunit Of The Ccr4-Not Complex	Transcription From Rna Polymerase Ii Promoter
DST1	YGL043W	No	General Transcription Elongation Factor Tfiis	Transcription From Rna Polymerase Ii Promoter
MSI1	YBR195C	No	Subunit Of Chromatin Assembly Factor I (Caf-1)	Chromatin Organization
TAN1	YGL232W	No	Putative Trna Acetyltransferase	Miscellaneous
PPT1	YGR123C	No	Protein Serine/Threonine Phosphatase	Miscellaneous
RAD6	YGL058W	No	Ubiquitin-Conjugating Enzyme (E2)	Transcription From Rna Polymerase Ii Promoter
HPC2	YBR215W	No	Subunit Of The Hir Complex	Transcription From Rna Polymerase Ii Promoter
RMR1	YGL250W	No	Protein Required For Meiotic Recombination And Gene Conversion	Organelle Fission
PRE9	YGR135W	No	Alpha 3 Subunit Of The 20S Proteasome	Protein Complex Biogenesis
NPY1	YGL067W	No	Nadh Diphosphatase (Pyrophosphatase)	Miscellaneous
TDP1	YBR223C	No	Tyrosyl-DNA Phosphodiesterase I	Cellular Response To DNA Damage Stimulus
HXK2	YGL253W	No	Hexokinase Isoenzyme 2	Response To Chemical
GTR2	YGR163W	No	Putative Gtp Binding Protein	Transcription From Rna Polymerase Ii Promoter
DBP3	YGL078C	No	Rna-Dependent Atpase, Member Of Dexd/H-Box Family	Miscellaneous
RIM13	YMR154C	No	Calpain-Like Cysteine Protease	Miscellaneous
DNF1	YER166W	No	Aminophospholipid Translocase (Flippase)	Miscellaneous
RAV1	YJR033C	No	Subunit Of Rave Complex (Rav1P, Rav2P, Skp1P)	Protein Complex Biogenesis
TAF9	YMR236W	Yes	Subunit (17 Kda) Of Tfiid And Saga Complexes	Transcription From Rna Polymerase Ii Promoter
PTR2	YKR093W	No	Integral Membrane Peptide Transporter	Miscellaneous
STV1	YMR054W	No	Subunit A Of The Vacuolar-Atpase V0 Domain	Miscellaneous
KCH1	YJR054W	No	Potassium Transporter That Mediates K+ Influx	Miscellaneous
SRB7	YDR308C	Yes	Subunit Of The Rna Polymerase Ii Mediator Complex	Transcription From Rna Polymerase Ii Promoter
TDA5	YLR426W	No	Putative Protein Of Unknown Function	Response To Chemical
SSK1	YLR006C	No	Cytoplasmic Response Regulator	Regulator Of Organelle Organization
PPH21	YDL134C	No	Catalytic Subunit Of Protein Phosphatase 2A (Pp2A)	Mitotic Cell Cycle
APC1	YNL172W	Yes	Largest Subunit Of The Anaphase-Promoting Complex/Cyclosome	Mitotic Cell Cycle
BRE5	YNR051C	No	Ubiquitin Protease Cofactor	Protein Modification By Small Protein Conjugation Or Removal
IES1	YFL013C	No	Subunit Of The Ino80 Chromatin Remodeling Complex	Chromatin Organization
PPH22	YDL188C	No	Catalytic Subunit Of Protein Phosphatase 2A (Pp2A)	Mitotic Cell Cycle
TFB4	YPR056W	Yes	Subunit Of Tfiif Complex	Transcription From Rna Polymerase Ii Promoter
STE24	YJR117W	No	Highly Conserved Zinc Metalloprotease	Miscellaneous
RMI1	YPL024W	No	Subunit Of The Recq (Sgs1P) - Topo Iii (Top3P) Complex	Mitotic Cell Cycle
HHF2	YNL030W	No	Histone H4	Chromatin Organization
DPB2	YPR175W	Yes	Second Largest Subunit Of DNA Polymerase Ii (DNA Polymerase Epsilon)	Chromatin Organization
HIR3	YJR140C	No	Subunit Of The Hir Complex	Transcription From Rna Polymerase Ii Promoter
BUL2	YML111W	No	Component Of The Rsp5P E3-Ubiquitin Ligase Complex	Protein Modification By Small Protein Conjugation Or Removal
VPS27	YNR006W	No	Endosomal Protein That Forms A Complex With Hse1P	Protein Targeting
SGT1	YOR057W	Yes	Cochaperone Protein	Protein Complex Biogenesis
HOT1	YMR172W	No	Transcription Factor For Glycerol Biosynthetic Genes	Transcription From Rna Polymerase Ii Promoter
CPR7	YJR032W	No	Peptidyl-Prolyl Cis-Trans Isomerase (Cyclophilin)	Miscellaneous
FPK1	YNR047W	No	Ser/Thr Protein Kinase	Response To Chemical
DPB11	YJL090C	Yes	DNA Replication Initiation Protein	Mitotic Cell Cycle
HBT1	YDL223C	No	Shmoo Tip Protein, Substrate Of Hub1P Ubiquitin-Like Protein	Response To Chemical
NOT5	YPR072W	No	Subunit Of Ccr4-Not Global Transcriptional Regulator	Transcription From Rna Polymerase Ii Promoter
POA1	YBR022W	No	Phosphatase That Is Highly Specific For Adp-Ribose 1''-Phosphate	Miscellaneous
TFB2	YPL122C	Yes	Subunit Of Tfiif And Nucleotide Excision Repair Factor 3 Complexes	Transcription From Rna Polymerase Ii Promoter
AAD4	YDL243C	No	Putative Aryl-Alcohol Dehydrogenase	Miscellaneous
GCN5	YGR252W	No	Catalytic Subunit Of Ada And Saga Histone Acetyltransferase Complexes	Transcription From Rna Polymerase Ii Promoter
CSG2	YBR036C	No	Endoplasmic Reticulum Membrane Protein	Lipid Metabolic Process
SUA7	YPR086W	Yes	Transcription Factor Tfiib	Transcription From Rna Polymerase Ii Promoter
RAD61	YDR014W	No	Subunit Of A Complex That Inhibits Sister Chromatid Cohesion	Mitotic Cell Cycle
MCK1	YNL307C	No	Dual-Specificity Ser/Thr And Tyrosine Protein Kinase	Mitotic Cell Cycle
TRM7	YBR061C	No	2'-O-Ribose Methyltransferase	Miscellaneous
ORC1	YML065W	Yes	Largest Subunit Of The Origin Recognition Complex	Miscellaneous
UBX7	YBR273C	No	Ubx (Ubiquitin Regulatory X) Domain-Containing Protein	Proteolysis Involved In Cellular Protein Catabolic Process
DER1	YBR201W	No	Endoplasmic Reticulum Membrane Protein	Proteolysis Involved In Cellular Protein Catabolic Process
RDH54	YBR073W	No	DNA-Dependent Atpase	Cellular Response To DNA Damage Stimulus
LDB18	YLL049W	No	Component Of The Dynactin Complex	Mitotic Cell Cycle
DPB3	YBR278W	No	Third-Largest Subunit Of DNA Polymerase Ii (DNA Polymerase Epsilon)	Chromatin Organization
CBF1	YJR060W	No	Basic Helix-Loop-Helix (Bhlh) Protein	Transcription From Rna Polymerase Ii Promoter
EAF7	YNL136W	No	Subunit Of The Nua4 Histone Acetyltransferase Complex	Transcription From Rna Polymerase Ii Promoter
UBA3	YPR066W	No	Protein That Activates Rub1P (Nedd8) Before Neddylation	Protein Modification By Small Protein Conjugation Or Removal
PDC1	YLR044C	No	Major Of Three Pyruvate Decarboxylase Isozymes	Carbohydrate Metabolic Process
BZZ1	YHR114W	No	Sh3 Domain Protein Implicated In Regulating Actin Polymerization	Protein Complex Biogenesis
RPS19B	YNL302C	No	Protein Component Of The Small (40S) Ribosomal Subunit	Miscellaneous
PEF1	YGR058W	No	Penta-Ef-Hand Protein	Mitotic Cell Cycle
ALT1	YLR089C	No	Alanine Transaminase (Glutamic Pyruvic Transaminase)	Miscellaneous
LIN1	YHR156C	No	Non-Essential Component Of U5 Snrnp	Biological_Process

CAF120	YNL278W	No	Part Of The Ccr4-Not Transcriptional Regulatory Complex	Transcription From Rna Polymerase Ii Promoter
PCP1	YGR101W	No	Mitochondrial Serine Protease	Regulation Of Organelle Organization
SRN2	YLR119W	No	Component Of The Escrt-I Complex	Protein Targeting
RPS4B	YHR203C	No	Protein Component Of The Small (40S) Ribosomal Subunit	Miscellaneous
ALG6	YOR002W	No	Alpha 1,3 Glucosyltransferase	Lipid Metabolic Process
RAS1	YOR101W	No	Gtpase Involved In G-Protein Signaling In Adenylate Cyclase Activation	Signaling
AIM32	YML050W	No	Putative Protein Of Unknown Function	Biological_Process
DCC1	YCL016C	No	Subunit Of A Complex With Ctf8P And Ctf18P	Mitotic Cell Cycle
ST11	YOR027W	No	Hsp90 Cochaperone	Miscellaneous
RGA1	YOR127W	No	Gtpase-Activating Protein For Polarity-Establishment Protein Cdc42P	Response To Chemical
PSP2	YML017W	No	Asn Rich Cytoplasmic Protein That Contains Rgg Motifs	Biological_Process
PEX34	YCL056C	No	Protein That Regulates Peroxisome Populations	Miscellaneous
WHI2	YOR043W	No	Protein Required For Full Activation Of The General Stress Response	Cytoskeleton Organization
LCB4	YOR171C	No	Sphingoid Long-Chain Base Kinase	Signaling
AIM34	YMR003W	No	Protein Of Unknown Function	Biological_Process
PET18	YCR020C	No	Protein Of Unknown Function	Miscellaneous
VAM10	YOR068C	No	Protein Involved In Vacuole Morphogenesis	Miscellaneous
NPT1	YOR209C	No	Nicotinate Phosphoribosyltransferase	Miscellaneous
PEX12	YMR026C	No	C3Hc4-Type Ring-Finger Peroxin And E3 Ubiquitin Ligase	Protein Targeting
STM1	YLR150W	No	Protein Required For Optimal Translation Under Nutrient Stress	Signaling
WHI5	YOR083W	No	Repressor Of G1 Transcription	Transcription From Rna Polymerase Ii Promoter
PUS7	YOR243C	No	Pseudouridine Synthase	Miscellaneous
ARG80	YMR042W	No	Transcription Factor Involved In Regulating Arginine-Responsive Genes	Transcription From Rna Polymerase Ii Promoter
SWI6	YLR182W	No	Transcription Cofactor	Transcription From Rna Polymerase Ii Promoter
CPA1	YOR303W	No	Small Subunit Of Carbamoyl Phosphate Synthetase	Miscellaneous
ECM5	YMR176W	No	Subunit Of The Snt2C Complex	Response To Chemical
YKE2	YLR200W	No	Subunit Of The Heterohexameric Gim/Prefoldin Protein Complex	Transcription From Rna Polymerase Ii Promoter
DGK1	YOR311C	No	Diacylglycerol Kinase	Lipid Metabolic Process
UBP12	YJL197W	No	Ubiquitin-Specific Protease	Biological_Process
SGS1	YMR190C	No	Nucleolar DNA Helicase Of The Recq Family	Mitotic Cell Cycle
CLB4	YLR210W	No	B-Type Cyclin Involved In Cell Cycle Progression	Mitotic Cell Cycle
LDB19	YOR322C	No	Protein Involved In Ubiquitin-Dependent Endocytosis	Miscellaneous
MNN11	YJL183W	No	Subunit Of A Golgi Mannosyltransferase Complex	Carbohydrate Metabolic Process
CLN1	YMR199W	No	G1 Cyclin Involved In Regulation Of The Cell Cycle	Regulation Of Cell Cycle
MSC3	YLR219W	No	Protein Of Unknown Function	Organelle Fission
MIP1	YOR330C	No	Mitochondrial DNA Polymerase	Miscellaneous
SET2	YJL168C	No	Histone Methyltransferase With A Role In Transcriptional Elongation	Chromatin Organization
RAD14	YMR201C	No	Protein That Recognizes And Binds Damaged DNA During Ner	Cellular Response To DNA Damage Stimulus
RSA3	YLR221C	No	Protein With A Likely Role In Ribosomal Maturation	Miscellaneous
UBC11	YOR339C	No	Ubiquitin-Conjugating Enzyme	Protein Modification By Small Protein Conjugation Or Removal
HAL5	YJL165C	No	Putative Protein Kinase	Protein Phosphorylation
DBP7	YKR024C	No	Putative Atp-Dependent Rna Helicase Of The Dead-Box Family	Miscellaneous
PMS1	YNL082W	No	Atp-Binding Protein Required For Mismatch Repair	Cellular Response To DNA Damage Stimulus
DOT6	YER088C	No	Protein Involved In Rrna And Ribosome Biogenesis	Transcription From Rna Polymerase Ii Promoter
MUD1	YBR119W	No	U1 Snrnp A Protein	Miscellaneous
KTR2	YKR061W	No	Mannosyltransferase Involved In N-Linked Protein Glycosylation	Carbohydrate Metabolic Process
HMO1	YDR174W	No	Chromatin Associated High Mobility Group (Hmg) Family Member	Transcription From Rna Polymerase Ii Promoter
RIC1	YLR039C	No	Protein Involved In Retrograde Transport To The Cis-Golgi Network	Miscellaneous
ARL1	YBR164C	No	Soluble Gtpase With A Role In Regulation Of Membrane Traffic	Protein Targeting
HEL2	YDR266C	No	Ring Finger Ubiquitin Ligase (E3)	Chromatin Organization
RPL17B	YJL177W	No	Ribosomal 60S Subunit Protein L17B	Miscellaneous
CUE4	YML101C	No	Protein Of Unknown Function	Biological_Process
RTK1	YDL025C	No	Putative Protein Kinase, Potentially Phosphorylated By Cdc28P	Biological_Process
	YDR306C	No	F-Box Protein Of Unknown Function	Proteolysis Involved In Cellular Protein Catabolic Process
ERP1	YAR002C-A	No	Member Of The P24 Family Involved In Er To Golgi Transport	Golgi Vesicle Transport
PHO84	YML123C	No	High-Affinity Inorganic Phosphate (Pi) Transporter	Miscellaneous
PEX19	YDL065C	No	Chaperone And Import Receptor For Newly-Synthesized Class I Pmps	Protein Targeting
UBX5	YDR330W	No	Ubx Domain-Containing Protein That Interacts With Cdc48P	Proteolysis Involved In Cellular Protein Catabolic Process
TEC1	YBR083W	No	Transcription Factor Targeting Filamentation Genes And Ty1 Expression	Transcription From Rna Polymerase Ii Promoter
	YMR111C	No	Protein Of Unknown Function	Biological_Process
UBX3	YDL091C	No	Subunit Of The Dsc Ubiquitin Ligase Complex	Biological_Process
CAP2	YIL034C	No	Beta Subunit Of The Capping Protein Heterodimer (Cap1P And Cap2P)	Protein Complex Biogenesis
SNT1	YCR033W	No	Subunit Of The Set3C Deacetylase Complex	Chromatin Organization
SUT2	YPR009W	No	Putative Transcription Factor Of The Zn2Cys6 Family	Transcription From Rna Polymerase Ii Promoter
YHP1	YDR451C	No	Homeobox Transcriptional Repressor	Transcription From Rna Polymerase Ii Promoter
AGE2	YIL044C	No	Adp-Ribosylation Factor (Arf) Gtpase Activating Protein (Gap) Effector	Golgi Vesicle Transport
TPS2	YDR074W	No	Phosphatase Subunit Of The Trehalose-6-P Synthase/Phosphatase Complex	Carbohydrate Metabolic Process
MCM16	YPR046W	No	Component Of The Ctf19 Complex And The Coma Subcomplex	Mitotic Cell Cycle
PAC11	YDR488C	No	Dynein Intermediate Chain, Microtubule Motor Protein	Mitotic Cell Cycle
ICE2	YIL090W	No	Integral Er Membrane Protein With Type-iii Transmembrane Domains	Protein Complex Biogenesis
APT1	YML022W	No	Adenine Phosphoribosyltransferase	Miscellaneous

	YPR063C	No	Er-Localized Protein Of Unknown Function	Biological_Process
PSP1	YDR505C	No	Asn And Gln Rich Protein Of Unknown Function	Biological_Process
SYG1	YIL047C	No	Plasma Membrane Protein Of Unknown Function	Signaling
HMG1	YML075C	No	Hmg-Coa Reductase	Lipid Metabolic Process
MED1	YPR070W	No	Subunit Of The Rna Polymerase Ii Mediator Complex	Transcription From Rna Polymerase Ii Promoter
ARC1	YGL105W	No	Protein That Binds Trna And Methionyl- And Glutamyl-Trna Synthetases	Miscellaneous
BUD27	YFL023W	No	Unconventional Prefoldin Protein Involved In Translation Initiation	Protein Complex Biogenesis
MBF1	YOR298C-A	No	Transcriptional Coactivator	Transcription From Rna Polymerase Ii Promoter
ASR1	YPR093C	No	Ubiquitin Ligase That Modifies And Regulates Rna Pol Ii	Response To Chemical
MON1	YGL124C	No	Protein Required For Cvt-Vesicle/Autophagosome Fusion With The Vacuole	Protein Targeting
AGX1	YFL030W	No	Alanine:Glyoxylate Aminotransferase (Agt)	Miscellaneous
COS6	YGR295C	No	Protein Of Unknown Function	Biological_Process
MTC1	YJL123C	No	Protein Of Unknown Function That May Interact With Ribosomes	Biological_Process
SOH1	YGL127C	No	Subunit Of The Rna Polymerase Ii Mediator Complex	Transcription From Rna Polymerase Ii Promoter
HAC1	YFL031W	No	Basic Leucine Zipper (Bzip) Transcription Factor (Atf/Creb1 Homolog)	Transcription From Rna Polymerase Ii Promoter
SSM4	YIL030C	No	Ubiquitin-Protein Ligase Involved In Er-Associated Protein Degradation	Proteolysis Involved In Cellular Protein Catabolic Process
ALB1	YIL122W	No	Shuttling Pre-60S Factor	Miscellaneous
SNT2	YGL131C	No	Subunit Of Snt2C Complex, Ring Finger Ubiquitin Ligase (E3)	Transcription From Rna Polymerase Ii Promoter
REX4	YOL080C	No	Putative Rna Exonuclease	Miscellaneous
FAR10	YLR238W	No	Protein Involved In Recovery From Arrest In Response To Pheromone	Response To Chemical
ESC2	YDR363W	No	Sumo-Like Domain Protein	Mitotic Cell Cycle
UBP5	YER144C	No	Putative Ubiquitin-Specific Protease	Protein Modification By Small Protein Conjugation Or Removal
CIN2	YPL241C	No	Gtpase-Activating Protein (Gap) For Cin4P	Protein Complex Biogenesis
SEC22	YLR268W	No	R-Snare Protein	Golgi Vesicle Transport
RVS167	YDR388W	No	Actin-Associated Protein With Roles In Endocytosis And Exocytosis	Miscellaneous
PHB2	YGR231C	No	Subunit Of The Prohibitin Complex (Phb1P-Phb2P)	Miscellaneous
APL5	YPL195W	No	Delta Adaptin-Like Subunit Of The Clathrin Associated Protein Complex	Protein Targeting
	YLR312C	No	Putative Protein Of Unknown Function	Biological_Process
ARO80	YDR421W	No	Zinc Finger Transcriptional Activator Of The Zn2Cys6 Family	Transcription From Rna Polymerase Ii Promoter
NCL1	YBL024W	No	S-Adenosyl-L-Methionine-Dependent Trna: M5C-Methyltransferase	Response To Chemical
CUP9	YPL177C	No	Homeodomain-Containing Transcriptional Repressor	Transcription From Rna Polymerase Ii Promoter
RPA14	YDR156W	No	Rna Polymerase I Subunit A14	Miscellaneous
SPF1	YEL031W	No	P-Type Atpase, Ion Transporter Of The Er Membrane	Miscellaneous
SHP1	YBL058W	No	Ubx (Ubiquitin Regulatory X) Domain-Containing Protein	Mitotic Cell Cycle
RRD2	YPL152W	No	Peptidyl-Prolyl Cis/Trans-Isomerase	Mitotic Cell Cycle
SAS4	YDR181C	No	Subunit Of The Sas Complex (Sas2P, Sas4P, Sas5P)	Miscellaneous
MAK10	YEL053C	No	Non-Catalytic Subunit Of N-Terminal Acetyltransferase Of The Natc Type	Miscellaneous
	YBL081W	No	Non-Essential Protein Of Unknown Function	Biological_Process
HHO1	YPL127C	No	Histone H1, Linker Histone With Roles In Meiosis And Sporulation	DNA Recombination
GTB1	YDR221W	No	Glucosidase Ii Beta Subunit, Forms A Complex With Alpha Subunit Rot2P	Carbohydrate Metabolic Process
YND1	YER005W	No	Apyrase With Wide Substrate Specificity	Carbohydrate Metabolic Process
CDH1	YGL003C	No	Activator Of Anaphase-Promoting Complex/Cyclosome (Apc/C)	Mitotic Cell Cycle
	YPL113C	No	Glyoxylate Reductase	Miscellaneous
MDS3	YGL197W	No	Putative Component Of The Tor Regulatory Pathway	Signaling
CAJ1	YER048C	No	Nuclear Type Ii J Heat Shock Protein Of The E. Coli DNAj Family	Miscellaneous
CWH41	YGL027C	No	Processing Alpha Glucosidase I	Carbohydrate Metabolic Process
RPS6B	YBR181C	No	Protein Component Of The Small (40S) Ribosomal Subunit	Miscellaneous
OST5	YGL226C-A	No	Zeta Subunit Of The Oligosaccharyltransferase Complex Of The Er Lumen	Carbohydrate Metabolic Process
VTG1	YER072W	No	Subunit Of The Vacuolar Transporter Chaperone (Vtc) Complex	Miscellaneous
BEM1	YBR200W	No	Protein Containing Sh3-Domains	Response To Chemical
	YGL242C	No	Putative Protein Of Unknown Function	Biological_Process
SYF2	YGR129W	No	Member Of The Nineteen Complex (Ntc)	Miscellaneous
YBP2	YGL060W	No	Central Kinetochore Associated Protein	Mitotic Cell Cycle
PDB1	YBR221C	No	E1 Beta Subunit Of The Pyruvate Dehydrogenase (Pdh) Complex	Miscellaneous
RTG2	YGL252C	No	Sensor Of Mitochondrial Dysfunction	Transcription From Rna Polymerase Ii Promoter
CHO2	YGR157W	No	Phosphatidylethanolamine Methyltransferase (Pemt)	Lipid Metabolic Process
AFT1	YGL071W	No	Transcription Factor Involved In Iron Utilization And Homeostasis	Transcription From Rna Polymerase Ii Promoter
SLX1	YBR228W	No	Endonuclease Involved In DNA Recombination And Repair	Miscellaneous
ZRT1	YGL255W	No	High-Affinity Zinc Transporter Of The Plasma Membrane	Miscellaneous
TRS65	YGR166W	No	Subunit Of Trappii	Protein Complex Biogenesis
	YGL081W	No	Putative Protein Of Unknown Function	Biological_Process
ROT2	YBR229C	No	Glucosidase Ii Catalytic Subunit	Miscellaneous
CUL3	YGR003W	No	Ubiquitin-Protein Ligase	Protein Modification By Small Protein Conjugation Or Removal
PSD2	YGR170W	No	Phosphatidylserine Decarboxylase Of The Golgi And Vacuolar Membranes	Lipid Metabolic Process
GUP1	YGL084C	No	Plasma Membrane Protein Involved In Remodeling Gpi Anchors	Lipid Metabolic Process
UBP11	YKR098C	No	Ubiquitin-Specific Protease	Biological_Process
BUB2	YMR055C	No	Mitotic Exit Network Regulator	Mitotic Cell Cycle
PTK2	YJR059W	No	Putative Serine/Threonine Protein Kinase	Mitotic Cell Cycle
MED6	YHR058C	Yes	Subunit Of The Rna Polymerase Ii Mediator Complex	Transcription From Rna Polymerase Ii Promoter
CRN1	YLR429W	No	Coronin	Protein Complex Biogenesis
CCS1	YMR038C	No	Copper Chaperone For Superoxide Dismutase Sod1P	Miscellaneous

RD11	YDL135C	No	Rho Gdp Dissociation Inhibitor	Regulation Of Organelle Organization
TFB1	YDR311W	Yes	Subunit Of Tfiif And Nucleotide Excision Repair Factor 3 Complexes	Transcription From Rna Polymerase Ii Promoter
FRE4	YNR060W	No	Ferric Reductase	Miscellaneous
RIM15	YFL033C	No	Protein Kinase Involved In Cell Proliferation In Response To Nutrients	Response To Chemical
UFD2	YDL190C	No	Ubiquitin Chain Assembly Factor (E4)	Response To Chemical
RSC3	YDR303C	Yes	Component Of The Rsc Chromatin Remodeling Complex	Transcription From Rna Polymerase Ii Promoter
ILM1	YJR118C	No	Protein Of Unknown Function	Miscellaneous
SMI1	YGR229C	No	Protein Involved In The Regulation Of Cell Wall Synthesis	Mitotic Cell Cycle
HHT2	YNL031C	No	Histone H3	Mitotic Cell Cycle
MPE1	YKL059C	Yes	Essential Conserved Subunit Of Cpf Cleavage And Polyadenylation Factor	Miscellaneous
CTK3	YML112W	No	Gamma Subunit Of C-Terminal Domain Kinase I	Protein Phosphorylation
CSE2	YNR010W	No	Subunit Of The Rna Polymerase Ii Mediator Complex	Transcription From Rna Polymerase Ii Promoter
RPB2	YOR151C	Yes	Rna Polymerase Ii Second Largest Subunit B150	Transcription From Rna Polymerase Ii Promoter
RPL35A	YDL191W	No	Ribosomal 60S Subunit Protein L35A	Miscellaneous
ECM21	YBL101C	No	Protein Involved In Regulating Endocytosis Of Plasma Membrane Proteins	Miscellaneous
CDC4	YFL009W	Yes	F-Box Protein Required For Both The G1/S And G2/M Phase Transitions	Mitotic Cell Cycle
WHI4	YDL224C	No	Putative Rna Binding Protein	Miscellaneous
RPS27B	YHR021C	No	Protein Component Of The Small (40S) Ribosomal Subunit	Miscellaneous
CHS3	YBR023C	No	Chitin Synthase Iii	Meiotic Cell Cycle
ARP7	YPR034W	Yes	Component Of Both The Swi/Snf And Rsc Chromatin Remodeling Complexes	Transcription From Rna Polymerase Ii Promoter
RAD57	YDR004W	No	Protein That Stimulates Strand Exchange	Cellular Response To Dna Damage Stimulus
MRPL10	YNL284C	No	Mitochondrial Ribosomal Protein Of The Large Subunit	Miscellaneous
FAT1	YBR041W	No	Very Long Chain Fatty Acyl-Coa Synthetase And Fatty Acid Transporter	Lipid Metabolic Process
CDC16	YKL022C	Yes	Subunit Of The Anaphase-Promoting Complex/Cyclosome (Apc/C)	Protein Modification By Small Protein Conjugation Or Removal
RPS11A	YDR025W	No	Protein Component Of The Small (40S) Ribosomal Subunit	Miscellaneous
MMS4	YBR098W	No	Subunit Of Structure-Specific Mms4P-Mus81P Endonuclease	Cellular Response To Dna Damage Stimulus
ECM2	YBR065C	No	Pre-Mrna Splicing Factor	Miscellaneous
CHK1	YBR274W	No	Serine/Threonine Kinase And Dna Damage Checkpoint Effector	Cellular Response To Dna Damage Stimulus
BUD3	YCL014W	No	Protein Involved In Bud-Site Selection	Mitotic Cell Cycle
ECM8	YBR076W	No	Non-Essential Protein Of Unknown Function	Biological_Process
UBR2	YLR024C	No	Cytoplasmic Ubiquitin-Protein Ligase (E3)	Protein Modification By Small Protein Conjugation Or Removal
DUG2	YBR281C	No	Component Of Glutamine Amidotransferase (Gatase Ii)	Miscellaneous
TMA23	YMR269W	No	Nucleolar Protein Implicated In Ribosome Biogenesis	Miscellaneous
FPR1	YNL135C	No	Peptidyl-Prolyl Cis-Trans Isomerase (Ppiase)	Chromatin Organization
VPS53	YJL029C	No	Component Of The Garp (Golgi-Associated Retrograde Protein) Complex	Golgi Vesicle Transport
SSH1	YBR283C	No	Subunit Of The Ssh1 Translocon Complex	Protein Targeting
LSM7	YNL147W	No	Lsm (Like Sm) Protein	Miscellaneous
TEP1	YNL128W	No	Pten Homolog With No Demonstrated Inositol Lipid Phosphatase Activity	Meiotic Cell Cycle
RIM8	YGL046W	No	Merged Open Reading Frame	Miscellaneous
RIM8	YGL045W	No	Protein Involved In Proteolytic Activation Of Rim101P	Miscellaneous
LAG1	YHL003C	No	Ceramide Synthase Component	Lipid Metabolic Process