

YORF	Gene	Molecular Function	Fold change
Carbohydrate metabolism			
<i>YAL017W</i>	<i>PSK1</i>	- protein serine/threonine kinase activity	1.6
<i>YGL227W</i>	<i>VID30</i>	- molecular function unknown	1.7
<i>YJL155C</i>	<i>FBP26</i>	- fructose-2,6-bisphosphate 2-phosphatase activity	2.2
<i>YBR105C</i>	<i>VID24</i>	- molecular function unknown	2.4
<i>YGR143W</i>	<i>SKN1</i>	- glucosidase activity	2.4
<i>YLR174W</i>	<i>IDP2</i>	- isocitrate dehydrogenase NADP+ activity	2.6
<i>YMR135C</i>	<i>GID8</i>	- molecular function unknown	2.8
<i>YGL156W</i>	<i>AMS1</i>	- alpha-mannosidase activity	3.1
<i>YPR026W</i>	<i>ATH1</i>	- alpha,alpha-trehalase activity	3.5
<i>YIL155C</i>	<i>GUT2</i>	- glycerol-3-phosphate dehydrogenase activity	3.8
<i>YHR104W</i>	<i>GRE3</i>	- aldehyde reductase activity - aldo-keto reductase activity	4.1
<i>YKR058W</i>	<i>GLG1</i>	- glycogenin glucosyltransferase activity	4.6
<i>YBR126C</i>	<i>TPS1</i>	- alpha,alpha-trehalose-phosphate synthase UDP-forming activity	5.3
<i>YDR001C</i>	<i>NTH1</i>	- alpha,alpha-trehalase activity	5.4
<i>YCL040W</i>	<i>GLK1</i>	- glucokinase activity	6.82
<i>YPR184W</i>	<i>GDB1</i>	- 4-alpha-glucanotransferase activity - amylo-alpha-1,6-glucosidase activity	7.3
<i>YEL011W</i>	<i>GLC3</i>	- 1,4-alpha-glucan branching enzyme activity	7.4
<i>YDR074W</i>	<i>TPS2</i>	- trehalose-phosphatase activity	7.5
<i>YKL035W</i>	<i>UGP1</i>	- UTP-glucose-1-phosphate uridylyltransferase activity	9.1
<i>YGR256W</i>	<i>GND2</i>	- phosphogluconate dehydrogenase decarboxylating activity	9.9
<i>YFR053C</i>	<i>HXK1</i>	- hexokinase activity	14.2
<i>YBR117C</i>	<i>TKL2</i>	- transketolase activity	14.3
<i>YPR160W</i>	<i>GPH1</i>	- glycogen phosphorylase activity	18.9
Down regulated			
<i>YOL056W</i>	<i>GPM3</i>	- NONE	1.5
<i>YER120W</i>	<i>SCS2</i>	- protein binding	1.6
<i>YER003C</i>	<i>PMI40</i>	- mannose-6-phosphate isomerase activity	2.0
<i>YHR163W</i>	<i>SOL3</i>	- 6-phosphogluconolactonase activity	2.1
<i>YDL103C</i>	<i>QRH1</i>	- UDP-N-acetylglucosamine diphosphorylase activity	2.7
<i>YKL127W</i>	<i>PGM1</i>	- phosphoglucomutase activity	3.2
<i>YDL055C</i>	<i>PSA1</i>	- mannose-1-phosphate guanylyltransferase	3.5

YORF	Gene	Molecular Function	Fold change
		activity	
protein amino acid phosphorylation			
<i>YJL141C</i>	<i>YAK1</i>	- protein kinase activity	2.5
<i>YLL019C</i>	<i>KNS1</i>	- protein serine/threonine kinase activity - protein-tyrosine kinase activity	2.8
Down regulated			
<i>YGR123C</i>	<i>PPT1</i>	- protein serine/threonine phosphatase activity	2.0
signal transduction			
<i>YOL081W</i>	<i>IRA2</i>	- Ras GTPase activator activity	3.7
<i>YGL248W</i>	<i>PDE1</i>	- cAMP-specific phosphodiesterase activity	2.5
<i>YDR085C</i>	<i>AFR1</i>	- receptor signaling protein activity	3.7
<i>YOR134W</i>	<i>BAG7</i>	- signal transducer activity - Rho GTPase activator activity	1.9
<i>YNL027W</i>	<i>CRZ1</i>	- transcription factor activity	1.9
<i>YNL173C</i>	<i>MDG1</i>	- molecular_function unknown	2.1
<i>YJL005W</i>	<i>CYR1</i>	- adenylate cyclase activity	2.1
Down regulated			
<i>YOR101W</i>	<i>RAS1</i>	- RAS small monomeric GTPase activity	2.2
budding			
<i>YDL188C</i>	<i>PPH22</i>	- protein phosphatase type 2A activity	1.7
<i>YER008C</i>	<i>SEC3</i>	- molecular_function unknown	1.6
<i>YGR070W</i>	<i>ROM1</i>	- signal transducer activity - Rho guanyl-nucleotide exchange factor activity	3.2
<i>YDR129C</i>	<i>SAC6</i>	- actin cable sensu Saccharomyces - actin cortical patch sensu Saccharomyces	1.8
Down regulated			
<i>YOR198C</i>	<i>BFR1</i>	- RNA binding	2.4
<i>YDR309C</i>	<i>GIC2</i>	- small GTPase regulatory/interacting protein activity	2.4
<i>YOR326W</i>	<i>MYO2</i>	- microfilament motor activity	1.5
<i>YDR507C</i>	<i>GIN4</i>	- protein kinase activity	2.2
<i>YHR023W</i>	<i>MYO1</i>	- microfilament motor activity	4.5
Transport			
<i>YJR121W</i>	<i>ATP2</i>	- hydrogen-transporting ATP synthase activity, rotational mechanism	2.8
<i>YJR059W</i>	<i>PTK2</i>	- protein kinase activity	2.9
<i>YPL134C</i>	<i>ODC1</i>	- intracellular transporter activity	1.9

YORF	Gene	Molecular Function	Fold change
		- organic acid transporter activity	
<i>YDL234C</i>	<i>GYP7</i>	- Rab GTPase activator activity	1.9
<i>YKL188C</i>	<i>PXA2</i>	- ATP-binding cassette ABC transporter activity	2.5
<i>YDR276C</i>	<i>PMP3</i>	- molecular function unknown	2.6
<i>YLR093C</i>	<i>NYV1</i>	- v-SNARE activity	1.9
<i>YGL006W</i>	<i>PMC1</i>	- calcium-transporting ATPase activity	2.3
<i>YLL043W</i>	<i>FPS1</i>	- transporter activity - glycerol transporter activity	3.0
Down regulated			
<i>YBR106W</i>	<i>PHO88</i>	- phosphate transporter activity	3.2
<i>YOR216C</i>	<i>RUD3</i>	- molecular function unknown	2.4
<i>YCR034W</i>	<i>FEN1</i>	- fatty acid elongase activity	2.9
<i>YLR188W</i>	<i>MDL1</i>	- ATP-binding cassette ABC transporter activity - peptide-transporting ATPase activity - ATPase activity	1.9
<i>YDL192W</i>	<i>ARF1</i>	- ARF small monomeric GTPase activity	1.9
<i>YMR241W</i>	<i>YHM2</i>	- tricarboxylate carrier activity	2.7
<i>YJL145W</i>	<i>SFH5</i>	- phosphatidylinositol transporter activity	2.5
<i>YGR172C</i>	<i>YIP1</i>	- molecular function unknown	1.7
<i>YHR175W</i>	<i>CTR2</i>	- copper ion transporter activity - copper uptake transporter activity	1.9
<i>YNL231C</i>	<i>PDR16</i>	- phosphatidylinositol transporter activity	1.9
<i>YOL158C</i>	<i>ENB1</i>	- ferric-enterobactin transporter activity	1.8
<i>YAL022C</i>	<i>FUN26</i>	- nucleoside transporter activity	1.8
<i>YAL007C</i>	<i>ERP2</i>	- molecular function unknown	2.5
<i>YDR534C</i>	<i>FIT1</i>	- molecular function unknown	4.6
<i>YDR170C</i>	<i>SEC7</i>	- ARF guanyl-nucleotide exchange factor activity	1.5
Cell organization and biogenesis			
<i>YHR030C</i>	<i>SLT2</i>	- MAP kinase activity	2.1
<i>YMR053C</i>	<i>STB2</i>	- transcriptional repressor activity	1.7
<i>YKR076W</i>	<i>ECM4</i>	- molecular function unknown	3.2
<i>YDR077W</i>	<i>SED1</i>	- structural constituent of cell wall	3.7
<i>YOL004W</i>	<i>SIN3</i>	- histone deacetylase activity	2.3
<i>YOR191W</i>	<i>RIS1</i>	- DNA dependent ATPase activity	1.6
<i>YGR282C</i>	<i>BGL2</i>	- glucan 1,3-beta-glucosidase activity	2.2
<i>YDR358W</i>	<i>GGAI</i>	- molecular function unknown	3.4
<i>YMR302C</i>	<i>PRP12</i>	- exonuclease activity	2.3
<i>YDL223C</i>	<i>HBT1</i>	- molecular function unknown	7.3

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<i>YIL033C</i>	<i>BCY1</i>	- cAMP-dependent protein kinase inhibitor activity	2.0
<i>YJL164C</i>	<i>TPK1</i>	- protein serine/threonine kinase activity - cAMP-dependent protein kinase activity	2.5
<i>YJL100W</i>	<i>LSB6</i>	- 1-phosphatidylinositol 4-kinase activity	1.7
<i>YDR202C</i>	<i>RAV2</i>	- molecular function unknown	2.0
<i>YJL042W</i>	<i>MHP1</i>	- structural constituent of cytoskeleton	2.7
<i>YLL040C</i>	<i>VPS13</i>	- molecular function unknown	2.2
<i>YDL024C</i>	<i>DIA3</i>	- acid phosphatase activity	3.9
Down regulated genes			
<i>YJR135W-A</i>	<i>TIM8</i>	- protein transporter activity	2.5
<i>YDL014W</i>	<i>NOPI</i>	- methyltransferase activity	3.1
<i>YOL077C</i>	<i>BRX1</i>	- 5S rRNA binding - rRNA primary transcript binding	2.2
<i>YPL234C</i>	<i>TFP3</i>	- hydrogen-transporting ATPase activity, rotational mechanism	1.6
<i>YFL004W</i>	<i>VTC2</i>	- molecular function unknown	1.8
<i>YNL066W</i>	<i>SUN4</i>	- glucosidase activity	6.6
<i>YBR048W</i>	<i>RPS11B</i>	- structural constituent of ribosome	4.0
<i>YDR060W</i>	<i>MAK21</i>	- molecular function unknown	2.7
<i>YDR418W</i>	<i>RPL12B</i>	- structural constituent of ribosome	3.3
<i>YNL030W</i>	<i>HHF2</i>	- DNA binding	1.8
<i>YDR025W</i>	<i>RPS11A</i>	- structural constituent of ribosome	3.2
<i>YER118C</i>	<i>SHO1</i>	- osmosensor activity	1.7
<i>YLR197W</i>	<i>SIK1</i>	- molecular function unknown	2.8
<i>YCL059C</i>	<i>KRR1</i>	- molecular function unknown	2.4
<i>YNR027W</i>	<i>BUD17</i>	- molecular function unknown	1.9
<i>YPL131W</i>	<i>RPL5</i>	- RNA binding - structural constituent of ribosome	2.4
<i>YMR307W</i>	<i>GAS1</i>	- 1,3-beta-glucanosyltransferase activity	2.9
<i>YML073C</i>	<i>RPL6A</i>	- RNA binding - structural constituent of ribosome	2.5
<i>YML069W</i>	<i>POB3</i>	- chromatin binding	1.8
<i>YLR167W</i>	<i>RPS31</i>	- structural constituent of ribosome - ribosomal chaperone activity	2.6
<i>YKL185W</i>	<i>ASH1</i>	- specific transcriptional repressor activity	2.1
<i>YML061C</i>	<i>PIF1</i>	- DNA helicase activity	2.1
<i>YDL226C</i>	<i>GCSI</i>	- ARF GTPase activator activity - actin binding	1.9
<i>YGR214W</i>	<i>RPS0A</i>	- structural constituent of ribosome	2.7
<i>YDL198C</i>	<i>YHMI</i>	- transporter activity	3.8
<i>YGL100W</i>	<i>SEH1</i>	- structural molecule activity	1.6

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<i>YGL099W</i>	<i>LSG1</i>	- GTPase activity	2.2
<i>YGL097W</i>	<i>SRM1</i>	- signal transducer activity	1.9
<i>YJL158C</i>	<i>CIS3</i>	- structural constituent of cell wall	4.2
<i>YBL032W</i>	<i>HEK2</i>	- mRNA binding	1.6
<i>YNL283C</i>	<i>WSC2</i>	- transmembrane receptor activity	2.0
<i>YBL003C</i>	<i>HTA2</i>	- DNA binding	6.5
<i>YBL002W</i>	<i>HTB2</i>	- DNA binding	3.7
<i>YBR245C</i>	<i>ISW1</i>	- ATPase activity	1.7
<i>YER006W</i>	<i>NUG1</i>	- GTPase activity	2.0
<i>YDL143W</i>	<i>CCT4</i>	- chaperone activity	1.7
<i>YHR170W</i>	<i>NMD3</i>	- RNA binding - protein binding	2.2
<i>YPR102C</i>	<i>RPL11A</i>	- structural constituent of ribosome	2.8
<i>YGL030W</i>	<i>RPL30</i>	- structural constituent of ribosome	3.1
<i>YEL054C</i>	<i>RPL12A</i>	- structural constituent of ribosome	2.6
<i>YDR225W</i>	<i>HTA1</i>	- DNA binding	5.9
<i>YDR224C</i>	<i>HTB1</i>	- DNA binding	2.4
<i>YLR409C</i>	<i>UTP21</i>	- snoRNA binding	2.2
<i>YEL040W</i>	<i>UTR2</i>	- molecular function unknown	4.1
<i>YGR108W</i>	<i>CLB1</i>	- cyclin-dependent protein kinase regulator activity	3.2
<i>YNL188W</i>	<i>KAR1</i>	- protein binding	1.5
<i>YHR108W</i>	<i>GGA2</i>	- molecular function unknown	2.4
<i>YAL025C</i>	<i>MAK16</i>	- molecular function unknown	3.3
<i>YGR078C</i>	<i>PAC10</i>	- tubulin binding	2.0
<i>YOL127W</i>	<i>RPL25</i>	- RNA binding - structural constituent of ribosome	2.9
<i>YKL013C</i>	<i>ARC19</i>	- structural molecule activity	1.6
<i>YKL009W</i>	<i>MRT4</i>	- molecular function unknown	3.6
<i>YLR353W</i>	<i>BUD8</i>	- molecular function unknown	1.5
<i>YNL153C</i>	<i>GIM3</i>	- tubulin binding	2.1
<i>YNL142W</i>	<i>MEP2</i>	- ammonium transporter activity	3.2
<i>YGR041W</i>	<i>BUD9</i>	- molecular function unknown	3.0
<i>YHR062C</i>	<i>RPP1</i>	- ribonuclease P activity - ribonuclease MRP activity	1.8
<i>YJR145C</i>	<i>RPS4A</i>	- structural constituent of ribosome	2.8
<i>YJR144W</i>	<i>MGM101</i>	- DNA binding	1.8
Stress response			
<i>YDR513W</i>	<i>TTR1</i>	- thiol-disulfide exchange intermediate activity - glutathione peroxidase activity - glutathione transferase activity	1.9

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<i>YNL160W</i>	<i>YGP1</i>	- molecular function unknown	7.6
<i>YGR088W</i>	<i>CTT1</i>	- catalase activity	26.9
<i>YDR214W</i>	<i>AHA1</i>	- chaperone activator activity	3.8
<i>YMR169C</i>	<i>ALD3</i>	- aldehyde dehydrogenase activity	41.5
<i>YMR250W</i>	<i>GAD1</i>	- glutamate decarboxylase activity	7.1
<i>YMR251W-A</i>	<i>HOR7</i>	- molecular function unknown	9.2
<i>YKL150W</i>	<i>MCR1</i>	- cytochrome-b5 reductase activity	6.1
<i>YML070W</i>	<i>DAK1</i>	- glycerone kinase activity	5.9
<i>YIL101C</i>	<i>XBPI</i>	- transcription factor activity	2.3
<i>YKR066C</i>	<i>CCP1</i>	- cytochrome-c peroxidase activity	7.0
<i>YKR072C</i>	<i>SIS2</i>	- protein phosphatase inhibitor activity - phosphopantothenoylcysteine decarboxylase activity	1.9
<i>YPL223C</i>	<i>GRE1</i>	- molecular function unknown	9.5
<i>YBR072W</i>	<i>HSP26</i>	- heat shock protein activity - chaperone activity	23.3
<i>YOL052C-A</i>	<i>DDR2</i>	- molecular function unknown	3.6
<i>YFL014W</i>	<i>HSP12</i>	- heat shock protein activity	36.7
<i>YGR008C</i>	<i>STF2</i>	- molecular function unknown	7.3
Down regulated			
<i>YIL053W</i>	<i>RHR2</i>	DL-glycerol-3-phosphatase	2.7
<i>YFL010C</i>	<i>WWM1</i>	WW domain containing protein interacting with Metacaspase MCA1	1.8
DNA metabolism			
<i>YIR002C</i>	<i>MPH1</i>	- RNA helicase activity	1.9
<i>YMR173W</i>	<i>DDR48</i>	- molecular function unknown	4.1
<i>YBR214W</i>	<i>SDS24</i>	- molecular function unknown	2.6
<i>YER116C</i>	<i>SLX8</i>	- DNA binding	1.9
<i>YML128C</i>	<i>MSC1</i>	- molecular function unknown	2.1
Down regulated			
<i>YDR097C</i>	<i>MSH6</i>	- ATPase activity - ATP binding - DNA binding	2.2
<i>YER171W</i>	<i>RAD3</i>	- general RNA polymerase II transcription factor activity - DNA helicase activity	1.8
<i>YJR043C</i>	<i>POL32</i>	- delta DNA polymerase activity	2.1
<i>YDL227C</i>	<i>HO</i>	- endonuclease activity	4.1
<i>YER070W</i>	<i>RNR1</i>	- ribonucleoside-diphosphate reductase activity	4.6
<i>YNL312W</i>	<i>RFA2</i>	- DNA binding	2.0

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<i>YBL035C</i>	<i>POL12</i>	- alpha DNA polymerase activity	2.4
<i>YBL023C</i>	<i>MCM2</i>	- chromatin binding - ATP dependent DNA helicase activity	1.9
<i>YOR074C</i>	<i>CDC21</i>	- thymidylate synthase activity	3.1
<i>YKL113C</i>	<i>RAD27</i>	- 5 flap endonuclease activity	2.1
<i>YHR154W</i>	<i>RTT107</i>	- molecular function unknown	2.1
<i>YDL102W</i>	<i>CDC2</i>	- delta DNA polymerase activity	1.8
Protein transport			
<i>YLR259C</i>	<i>HSP60</i>	- heat shock protein activity	2.9
<i>YHL002W</i>	<i>HSE1</i>	- protein binding	1.6
<i>YBL075C</i>	<i>SSA3</i>	- heat shock protein activity	3.7
<i>YGL104C</i>	<i>VPS73</i>	- molecular function unknown	1.8
<i>YDR200C</i>	<i>VPS64</i>	- molecular function unknown	1.8
<i>YKL034W</i>	<i>TUL1</i>	- ligase activity	1.9
Down regulated			
<i>YGR082W</i>	<i>TOM20</i>	- protein transporter activity	1.8
<i>YDR372C</i>	<i>VPS74</i>	- molecular function unknown	1.8
<i>YLR292C</i>	<i>SEC72</i>	- protein transporter activity	2.0
<i>YFL045C</i>	<i>SEC53</i>	- phosphomannomutase activity	2.6
Metabolism			
<i>YDR530C</i>	<i>APA2</i>	- bis 5 -nucleosyl -tetrphosphatase asymmetrical activity - bis 5 -nucleosyl -tetrphosphatase activity	1.7
<i>YBR169C</i>	<i>SSE2</i>	- heat shock protein activity	7.1
<i>YFR033C</i>	<i>QCR6</i>	- ubiquinol-cytochrome-c reductase activity	2.6
<i>YBR183W</i>	<i>YPC1</i>	- ceramidase activity	2.9
<i>YEL039C</i>	<i>CYC7</i>	- electron carrier activity	6.7
<i>YOR377W</i>	<i>ATF1</i>	- alcohol O-acetyltransferase activity	2.2
<i>YAL060W</i>	<i>BDH1</i>	- R,R -butanediol dehydrogenase activity	5.9
<i>YDR231C</i>	<i>COX20</i>	- chaperone activity	2.2
<i>YOR020C</i>	<i>HSP10</i>	- chaperone activity	2.3
<i>YML004C</i>	<i>GLO1</i>	- lactoylglutathione lyase activity	6.4
<i>YBL015W</i>	<i>ACH1</i>	- acetyl-CoA hydrolase activity	2.1
<i>YLR120C</i>	<i>YPS1</i>	- aspartic-type endopeptidase activity	1.9
<i>YJL166W</i>	<i>QCR8</i>	- ubiquinol-cytochrome-c reductase activity	2.7
<i>YBL045C</i>	<i>COR1</i>	- ubiquinol-cytochrome-c reductase activity	2.7
<i>YDL205C</i>	<i>HEM3</i>	- hydroxymethylbilane synthase activity	2.2
<i>YML042W</i>	<i>CAT2</i>	- carnitine O-acetyltransferase activity	3.9
<i>YML054C</i>	<i>CYB2</i>	- L-lactate dehydrogenase cytochrome activity	5.4
<i>YPR191W</i>	<i>QCR2</i>	- ubiquinol-cytochrome-c reductase activity	3.1
<i>YMR304W</i>	<i>UBP15</i>	- ubiquitin-specific protease activity	1.8

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<i>YNR019W</i>	<i>ARE2</i>	- sterol O-acyltransferase activity	1.7
<i>YDR034C</i>	<i>LYS14</i>	- transcriptional activator activity	1.8
<i>YML120C</i>	<i>NDI1</i>	- oxidoreductase activity, acting on NADH or NADPH, quinone or similar compound as acceptor	7.5
<i>YER141W</i>	<i>COX15</i>	- molecular function unknown	2.5
<i>YLR228C</i>	<i>ECM22</i>	- RNA polymerase II transcription factor activity	1.7
<i>YOR219C</i>	<i>STE13</i>	- aminopeptidase activity	1.6
Down regulated			
<i>YLR303W</i>	<i>MET17</i>	- O-acetylhomoserine aminocarboxypropyltransferase activity - cysteine synthase activity	5.4
<i>YDR465C</i>	<i>RMT2</i>	- protein-arginine N-methyltransferase activity	2.4
<i>YOR241W</i>	<i>MET7</i>	- tetrahydrofolylpolyglutamate synthase activity	1.9
<i>YOR236W</i>	<i>DFR1</i>	- dihydrofolate reductase activity	2.8
<i>YCR053W</i>	<i>THR4</i>	- threonine synthase activity	2.4
<i>YGL213C</i>	<i>SKI8</i>	- translation repressor activity	1.7
<i>YML126C</i>	<i>ERG13</i>	- hydroxymethylglutaryl-CoA synthase activity	2.2
<i>YML106W</i>	<i>URA5</i>	- orotate phosphoribosyltransferase activity	3.5
<i>YGR285C</i>	<i>ZUO1</i>	- chaperone activity	1.8
<i>YDR380W</i>	<i>ARO10</i>	- carboxy-lyase activity - pyruvate decarboxylase activity - phenylpyruvate decarboxylase activity	3.6
<i>YKL211C</i>	<i>TRP3</i>	- anthranilate synthase activity - indole-3-glycerol-phosphate synthase activity	1.9
<i>YGL148W</i>	<i>ARO2</i>	- chorismate synthase activity	2.6
<i>YML075C</i>	<i>HMG1</i>	- hydroxymethylglutaryl-CoA reductase NADPH activity	1.6
<i>YMR300C</i>	<i>ADE4</i>	- amidophosphoribosyltransferase activity	2.0
<i>YLR153C</i>	<i>ACS2</i>	- acetate-CoA ligase activity	2.3
<i>YMR274C</i>	<i>RCE1</i>	- prenyl-dependent CAAX protease activity	1.9
<i>YDR321W</i>	<i>ASP1</i>	- asparaginase activity	2.4
<i>YNL315C</i>	<i>ATP11</i>	- chaperone activity	1.6
<i>YER055C</i>	<i>HIS1</i>	- ATP phosphoribosyltransferase activity	2.5
<i>YER043C</i>	<i>SAH1</i>	- adenosylhomocysteinase activity	3.1
<i>YDR300C</i>	<i>PRO1</i>	- glutamate 5-kinase activity	1.7
<i>YPR145W</i>	<i>ASN1</i>	- asparagine synthase glutamine-	4.1

YORF	Gene	Molecular Function	Fold change
		hydrolyzing activity	
<i>YML008C</i>	<i>ERG6</i>	- sterol 24-C-methyltransferase activity	2.7
<i>YER023W</i>	<i>PRO3</i>	- pyrroline-5-carboxylate reductase activity	2.1
<i>YLR100W</i>	<i>ERG27</i>	- 3-keto sterol reductase activity	2.6
<i>YBR252W</i>	<i>DUT1</i>	- dUTP diphosphatase activity	2.4
<i>YBR249C</i>	<i>ARO4</i>	- 3-deoxy-7-phosphoheptulonate synthase activity	2.8
<i>YBR248C</i>	<i>HIS7</i>	- imidazoleglycerol phosphate synthase activity	2.0
<i>YMR202W</i>	<i>ERG2</i>	- C-8 sterol isomerase activity	4.0
<i>YDL141W</i>	<i>BPL1</i>	- biotin-[acetyl-CoA-carboxylase] ligase activity - biotin-[methylcrotonoyl-CoA-carboxylase] ligase activity - biotin-[methylmalonyl-CoA-carboxytransferase] ligase activity - biotin-[propionyl-CoA-carboxylase ATP-hydrolyzing] ligase activity	2.1
<i>YLR066W</i>	<i>SPC3</i>	- signal peptidase activity	2.2
<i>YLR432W</i>	<i>IMD3</i>	- IMP dehydrogenase activity	2.2
<i>YGL012W</i>	<i>ERG4</i>	- delta24 24-1 sterol reductase activity	2.5
<i>YHR128W</i>	<i>FUR1</i>	- uracil phosphoribosyltransferase activity	3.3
<i>YHR123W</i>	<i>EPT1</i>	- ethanolaminephosphotransferase activity	1.8
<i>YLR017W</i>	<i>MEU1</i>	- molecular_function unknown	1.7
<i>YKL008C</i>	<i>LAC1</i>	- sphingosine N-acyltransferase activity	1.9
<i>YDR518W</i>	<i>EUG1</i>	- protein disulfide isomerase activity	2.2
<i>YNL130C</i>	<i>CPT1</i>	- diacylglycerol cholinephosphotransferase activity	1.8
Sporulation			
<i>YLL039C</i>	<i>UBI4</i>	- ATP-dependent protein binding	6.5
<i>YLR028C</i>	<i>ADE16</i>	- IMP cyclohydrolase activity - phosphoribosylaminoimidazolecarboxamide formyltransferase activity	1.9
<i>YNL202W</i>	<i>SPS19</i>	- 2,4-dienoyl-CoA reductase NADPH activity	3.3
<i>YHR139C</i>	<i>SPS100</i>	- molecular_function unknown	6.9
Down regulated			
<i>YJL074C</i>	<i>SMC3</i>	- ATPase activity	2.4
<i>YIL026C</i>	<i>IRR1</i>	- nuclear cohesin complex	2.6
Cell cycle			

YORF	Gene	Molecular Function	Fold change
<i>YFR040W</i>	<i>SAP155</i>	- protein serine/threonine phosphatase activity	2.5
<i>YMR165C</i>	<i>SMP2</i>	- molecular_function unknown	2.4
<i>YML034W</i>	<i>SRC1</i>	- molecular_function unknown	2.5
Down regulated			
<i>YBR158W</i>	<i>AMN1</i>	- protein binding	2.2
<i>YAL034W-A</i>	<i>MTW1</i>	- molecular_function unknown	1.7
<i>YGL021W</i>	<i>ALK1</i>	- protein serine/threonine kinase activity	1.8
<i>YDL003W</i>	<i>MCD1</i>	- molecular_function unknown	2.8
<i>YNL289W</i>	<i>PCL1</i>	- cyclin-dependent protein kinase regulator activity	3.2
Autophagy			
<i>YPL154C</i>	<i>PEP4</i>	- saccharopepsin activity - endopeptidase activity	3.2
<i>YNL223W</i>	<i>ATG4</i>	- microtubule binding	1.6
Down regulated			
RNA processing			
<i>YNR034W</i>	<i>SOL1</i>	- 6-phosphogluconolactonase activity	2.3
<i>YLR107W</i>	<i>REX3</i>	- 3'-5' exonuclease activity	1.9
<i>YGR178C</i>	<i>PBP1</i> <i>MRS16</i>	- molecular_function unknown	1.7
<i>YGR129W</i>	<i>SYF2</i>	- pre-mRNA splicing factor activity	2.1
Down regulated			
<i>YFL001W</i>	<i>DEG1</i>	- pseudouridylate synthase activity	1.5
<i>YGL120C</i>	<i>PRP43</i>	- ATP dependent RNA helicase activity - pre-mRNA splicing factor activity	2.6
<i>YER032W</i>	<i>FIR1</i>	- molecular_function unknown	1.8
<i>YAR008W</i>	<i>SEN34</i>	- tRNA-intron endonuclease activity	2.6
<i>YDL051W</i>	<i>LHP1</i>	- RNA binding	2.2
protein amino acid dephosphorylation			
<i>YER054C</i>	<i>GIP2</i>	- protein phosphatase regulator activity	3.9
Transcription			
<i>YIL038C</i>	<i>NOT3</i>	- 3'-5' exoribonuclease activity	1.6
Down regulated			
<i>YPR187W</i>	<i>RPO26</i>	- DNA-directed RNA polymerase activity	2.2

YORF	Gene	Molecular Function	Fold change
<i>YOR340C</i>	<i>RPA43</i>	- DNA-directed RNA polymerase activity	2.2
<i>YDL150W</i>	<i>RPC53</i>	- DNA-directed RNA polymerase activity	1.8
<i>YOL005C</i>	<i>RPB11</i>	- DNA-directed RNA polymerase activity	2.0
<i>YDR451C</i>	<i>YHP1</i>	- specific RNA polymerase II transcription factor activity	2.8
Cell growth and maintainance			
<i>YDR436W</i>	<i>PPZ2</i>	- protein serine/threonine phosphatase activity	1.7
Down regulated			
<i>YGL028C</i>	<i>SCW11</i>	- glucan 1,3-beta-glucosidase activity	2.3
Protein biosynthesis			
<i>YOR317W</i>	<i>FAA1</i>	- long-chain-fatty-acid-CoA ligase activity	3.0
<i>YKL201C</i>	<i>MNN4</i>	- molecular function unknown	2.5
Down regulated			
<i>YOR276W</i>	<i>CAF20</i>	- translation regulator activity	2.1
<i>YJR123W</i>	<i>RPS5</i>	- structural constituent of ribosome	2.9
<i>YFL022C</i>	<i>FRS2</i>	- phenylalanine-tRNA ligase activity	1.9
<i>YPL249C-A</i>	<i>RPL36B</i>	- RNA binding - structural constituent of ribosome	2.3
<i>YNL096C</i>	<i>RPS7B</i>	- structural constituent of ribosome	2.1
<i>YDR471W</i>	<i>RPL27B</i>	- structural constituent of ribosome	2.6
<i>YBR084W</i>	<i>MIS1</i>	- formate-tetrahydrofolate ligase activity - methenyltetrahydrofolate cyclohydrolase activity - methylenetetrahydrofolate dehydrogenase NADP+ activity	2.3
<i>YGL257C</i>	<i>MNT2</i>	- alpha-1,3-mannosyltransferase activity	2.4
<i>YOL040C</i>	<i>RPS15</i>	- structural constituent of ribosome	2.5
<i>YPL220W</i>	<i>RPL1A</i>	- structural constituent of ribosome	2.5
<i>YNL069C</i>	<i>RPL16B</i>	- RNA binding - structural constituent of ribosome	1.9
<i>YNL067W</i>	<i>RPL9B</i>	- structural constituent of ribosome	2.4
<i>YKR057W</i>	<i>RPS21A</i>	- structural constituent of ribosome	2.3
<i>YHL033C</i>	<i>RPL8A</i>	- structural constituent of ribosome	3.2
<i>YIL133C</i>	<i>RPL16A</i>	- RNA binding - structural constituent of ribosome	2.7
<i>YCR046C</i>	<i>IMG1</i>	- structural constituent of ribosome	1.6
<i>YLR249W</i>	<i>YEF3</i>	- translation elongation factor activity	2.3

YORF	Gene	Molecular Function	Fold change
<i>YKR026C</i>	<i>GCN3</i>	- translation initiation factor activity	1.9
<i>YDR037W</i>	<i>KRS1</i>	- lysine-tRNA ligase activity	2.5
<i>YGL189C</i>	<i>RPS26A</i>	- structural constituent of ribosome	2.1
<i>YER131W</i>	<i>RPS26B</i>	- structural constituent of ribosome	2.8
<i>YPL143W</i>	<i>RPL33A</i>	- structural constituent of ribosome	1.9
<i>YGR264C</i>	<i>MES1</i>	- methionine-tRNA ligase activity	2.0
<i>YER102W</i>	<i>RPS8B</i>	- structural constituent of ribosome	2.8
<i>YGL147C</i>	<i>RPL9A</i>	- structural constituent of ribosome	2.4
<i>YIL052C</i>	<i>RPL34B</i>	- structural constituent of ribosome	2.1
<i>YGL135W</i>	<i>RPL1B</i>	- structural constituent of ribosome	2.7
<i>YML063W</i>	<i>RPS1B</i>	- structural constituent of ribosome	3.3
<i>YKL180W</i>	<i>RPL17A</i>	- structural constituent of ribosome	3.5
<i>YER074W</i>	<i>RPS24A</i>	- structural constituent of ribosome	2.1
<i>YJL190C</i>	<i>RPS22A</i>	- structural constituent of ribosome	3.3
<i>YGL123W</i>	<i>RPS2</i>	- structural constituent of ribosome	2.4
<i>YPL090C</i>	<i>RPS6A</i>	- structural constituent of ribosome	2.5
<i>YIL018W</i>	<i>RPL2B</i>	- structural constituent of ribosome	3.3
<i>YJL177W</i>	<i>RPL17B</i>	- structural constituent of ribosome	4.8
<i>YER056C-A</i>	<i>RPL34A</i>	- structural constituent of ribosome	2.9
<i>YPL079W</i>	<i>RPL21B</i>	- structural constituent of ribosome	3.2
<i>YOR096W</i>	<i>RPS7A</i>	- structural constituent of ribosome	2.6
<i>YDL184C</i>	<i>RPL41A</i>	- structural constituent of ribosome	1.9
<i>YGR185C</i>	<i>TYS1</i>	- tyrosine-tRNA ligase activity	1.6
<i>YGL076C</i>	<i>RPL7A</i>	- structural constituent of ribosome	2.0
<i>YHR203C</i>	<i>RPS4B</i>	- structural constituent of ribosome	2.7
<i>YHR193C</i>	<i>EGD2</i>	- chaperone activity	2.1
<i>YDL136W</i>	<i>RPL35B</i>	- structural constituent of ribosome	2.2
<i>YDL133C-A</i>	<i>RPL41B</i>	- structural constituent of ribosome	2.1
<i>YGL031C</i>	<i>RPL24A</i>	- RNA binding - structural constituent of ribosome	3.2
<i>YLR061W</i>	<i>RPL22A</i>	- structural constituent of ribosome	3.9
<i>YKL081W</i>	<i>TEF4</i>	- translation elongation factor activity	2.9
<i>YLR060W</i>	<i>FRS1</i>	- phenylalanine-tRNA ligase activity	2.5
<i>YGL022W</i>	<i>STT3</i>	- dolichyl-diphosphooligosaccharide-protein glycotransferase activity	1.8
<i>YEL031W</i>	<i>SPF1</i>	- ATPase activity, coupled to transmembrane movement of ions, phosphorylative mechanism	2.3
<i>YBR191W</i>	<i>RPL21A</i>	- structural constituent of ribosome	3.8
<i>YBR189W</i>	<i>RPS9B</i>	- structural constituent of ribosome	2.4
<i>YLR388W</i>	<i>RPS29A</i>	- structural constituent of ribosome	2.0
<i>YBR181C</i>	<i>RPS6B</i>	- structural constituent of ribosome	2.5
<i>YDL083C</i>	<i>RPS16B</i>	- structural constituent of ribosome	1.9

YORF	Gene	Molecular Function	Fold change
<i>YDL082W</i>	<i>RPL13A</i>	- structural constituent of ribosome	3.2
<i>YMR142C</i>	<i>RPL13B</i>	- structural constituent of ribosome	2.2
<i>YFR032C-A</i>	<i>RPL29</i>	- structural constituent of ribosome	2.1
<i>YPR043W</i>	<i>RPL43A</i>	- structural constituent of ribosome	2.8
<i>YOL139C</i>	<i>CDC33</i>	- translation initiation factor activity	2.1
<i>YFR031C-A</i>	<i>RPL2A</i>	- structural constituent of ribosome	3.6
<i>YDL061C</i>	<i>RPS29B</i>	- structural constituent of ribosome	2.0
<i>YOL121C</i>	<i>RPS19A</i>	- structural constituent of ribosome	2.1
<i>YOL120C</i>	<i>RPL18A</i>	- structural constituent of ribosome	3.7
<i>YNL162W</i>	<i>RPL42A</i>	- structural constituent of ribosome	2.4
<i>YLL045C</i>	<i>RPL8B</i>	- structural constituent of ribosome	2.6
<i>YOR312C</i>	<i>RPL20B</i>	- structural constituent of ribosome	3.3
<i>YLR344W</i>	<i>RPL26A</i>	- RNA binding - structural constituent of ribosome	2.6
<i>YOL097C</i>	<i>WRS1</i>	- tryptophan-tRNA ligase activity	2.7
<i>YBR121C</i>	<i>GRS1</i>	- glycine-tRNA ligase activity	2.1
<i>YJR143C</i>	<i>PMT4</i>	- dolichyl-phosphate-mannose-protein mannosyltransferase activity	3.1
<i>YGR034W</i>	<i>RPL26B</i>	- RNA binding - structural constituent of ribosome	2.6
DNA damage response			
Down regulated			
<i>YNL178W</i>	<i>RPS3</i>	- structural constituent of ribosome	3.2
<i>RNA localization</i>			
Down regulated			
<i>YJL080C</i>	<i>SCP160</i>	- RNA binding	2.6