
Protein Index

Column 1 lists alphabetically the (usually) preferred shorthand name. Column 2 gives an assignment of location in the cell: c, cytoplasm; ev, envelope; er, endoplasmic reticulum; g, Golgi; l, lipid particle; m, mitochondrion; n, nucleus; pm, plasma membrane; px, peroxisome; and v, vacuole. Column 3 lists the page(s) where that protein abbreviation is found. Citations to pages showing the reaction equation (usually a figure) are in boldface type; a few citations are to the unnamed reaction.

In Column 1, the preferred abbreviations are from the gene names: that is, protein Xyz1 specified by gene *XYZ1*. The main sources are the *Saccharomyces* Genome Database (SGD; <http://www.yeastgenome.org>) and The UniProt Knowledgebase (UniProtKB; <http://www.uniprot.org>). The alphabetic triads do not necessarily make sense; sometimes they refer to a pathway or function, sometimes to a chemical reaction, and sometimes to the remote phenotype of a mutant. (Also, proteins specific to a pathway do not all always have the same alphabetic triad, and there are cases where the same triad refers to different subjects.) The different gene *numbers* may refer to different enzymes, to different subunits of the same enzyme, or to elements governing expression or assembly. The same gene may be known by several names, but the index and text (almost) always use the one preferred by the databases. Other names, called “aliases,” are sometimes more familiar, and querying of the databases with an alias will bring up the preferred name. (Occasionally an alias is also given, as in Vtc4(Phm3).) The databases will provide the EC (Enzyme Commission) numbers for the individual reactions (see pp. 40–41). EC numbers can also be accessed at, for example, <http://www.ca.expasy.org/enzyme>.

The entries in column 2 (location) are mainly taken from SGD and UniProtKB, which at present use manual curation of the literature and are not specifically referenced. Yeast has many compartments: Assignments may be by default, by direct assay of the isolated organelle (as qualified, pp. 25–28), or by in silico analysis of targeting sequences or may depend on high-throughput screens. Locations may be multiple or dynamic or unknown, and locations of regulatory proteins are omitted from this index. Knowledge of location may be more exact than implied in the index—for example, in mitochondria as to matrix or membranes—and in many cases that is specified in the text.

For brevity, different proteins with the same alphabetic abbreviation may be listed as a single entry—often the several proteins in one pathway (as, e.g., Xyz1,3,4,7)—so neither the page listings nor the assignment to organelle need apply to each of the proteins. Or the entries may be separated by where the reactions are shown or by whether they are enzymatic or regulatory.

| Protein | Location | Page Number(s) |
|------------------|----------|--|
| Aac1-3 | m | 160, 161, 291 |
| Aah1 | c | 255, 256 |
| Aat1,2 | c,m | 221, 222 |
| Abz1,2 | c | 235 , 238 |
| Aco1,2 | c,m | 52, 174 , 214 |
| Acs1,2 | c,px | 174, 175, 177, 190, 191 |
| Ade1,2,4-8,16,17 | c | 54, 249 , 250, 251, 253,, 257, 262, 267, 285 |
| Ade12,13 | c | 249, 250, 253, 254, 256, 257 |
| Ade3 | c | 250, 251 , 252, 253, 262 |
| Adh1-5 | c,m | 43, 96 , 99, 116, 130, 162, 174 , 177, 348 |
| Adi1 | c | 229 , 230 |
| Adk1,2 | c,m | 253, 254 , 255, 258 |
| Ado1 | c | 255, 256 |
| Agc1 | m | 216 |
| Agx1 | c | 233 , 234 |
| Ahp1 | px | 383 , 385 |
| Ald2-6 | c,m | 174 , 175, 177, 190 , 191, 195, 196 , 197, 272, 273 , 348 |
| Alg1 | er | 265 |
| Alg5 | er | 319 |
| Alo1 | m | 283, 284 |
| Alr1 | pm | 295, 299 |
| Amd1 | c | 255, 256 , 258 |
| Apa1,2 | c | 389 |
| Apt1 | c | 255, 256 |
| Aqy | pm | 90 |
| Ara1 | c | 283, 284 |
| Are1,2 | er | 321 |
| Arg1-8 | c,m | 216, 217 , 218, 346, 347 |
| Arg81 | | 358 |
| Arh1 | m | 276 , 277, 294 |
| Arn1-4 | pm,er | 293 , 294 |
| Aro1-4,7-9 | c | 235 , 236, 238 |
| Aro10 | c | 348 |
| Asn1,2 | c | 221, 222 |
| Asp1,3 | c,ev | 343 , 345 |
| Atf1,2 | | 348 |
| Ath1 | v | 326 , 331, 366 |
| Atm1 | m | 233 |
| Atp1-9,14-21 | m | 81 , 136 , 149, 155, 161 |
| Aur1 | g | 313, 314 |
| Ayr1 | er,l,m | 307, 308 |
| Bat1,2 | c,m | 231 , 232, 348 |
| Bcy1 | | 360 , 362 |
| Bio1-6 | c,m,pm | 269 |
| Bna1-6 | c,m | 267 , 268 |
| Bpl1 | c | 269, 306 |
| Cab1-5 | c,m,er | 272, 273 , 298 |
| Car1,2 | c | 343 , 346, 347 |
| Cat2 | m,px | 191 |

Continued

| Protein | Location | Page Number(s) |
|-------------------------|----------|---|
| Cbr1 | c,er | 318 |
| Cch1 | pm | 293 , 295 |
| Ccs1 | c | 385 |
| Cdc25 | | 362 |
| Cdc8 | c | 242, 243 , 247 |
| Cdd1 | c | 244, 245 |
| Cds1 | er,m | 308 , 309 |
| Cem1 | m | 282 |
| Cha1 | c,m | 223, 344 , 347 |
| Cho1,2 | er,m | 308 , 309, 312 |
| Cit1-3 | m,px | 174 , 175, 185, 190 , 191, 192, 337 , 338 |
| Cki1 | c | 312 |
| Cob1 | m | 139, 144, 145, 146, 153, 155, 158, 159 |
| Coq1-3,5-7 | m | 280, 281 , 299, 319 |
| Cox1-20,23-24 | m | 84 , 139, 145 , 146, 149, 155, 275, 276, 277, 319 |
| Cpa1,2 | c | 217 , 218, 241 , 246 |
| Cpt1 | er | 312 |
| Crc1 | m | 191 |
| Crd1 | m | 308 , 309 |
| Csg2 | c,g | 314 |
| Csh1 | v | 314 |
| Cta1 | px | 383 , 384 |
| Ctr1,3 | pm | 294 |
| Ctt1 | c | 381, 383 , 384 |
| Cup1-1,2 | c | 294, 358, 399 |
| Cyb2 | mit | 139, 153, 174, 177 |
| Cyb5 | c,er | 318 |
| Cyc1,7 | m | 145, 275, 361 |
| Cyc2,3 | m | 145, 275, 277 |
| Cyr1 | | 52, 254 , 255, 360 , 362 |
| Cys3,4 | c | 224, 225 , 226 |
| Cyt1,2 | m | 144, 145, 275, 276 |
| Dac1 (<i>Candida</i>) | | 333, 334 |
| Dal1-3 | c | 350, 352 |
| Dal7 | c | 189, 350 |
| Dcd1 | c | 242, 243 |
| Dci1 | px | 339 |
| Ddp1 | c | 389 |
| Dfr1 | c,m | 242, 243, 274 , 275 |
| Dgal | er,l | 320, 321 |
| Dld1 | m | 153, 174 , 177 |
| Dpm1 | er | 264 , 266, 319 |
| Dpp1 | c,v | 320, 321 , 322 |
| Dsd1 | | 53, 348 |
| Dur1,2 | | 343 , 346 |
| Dut1 | c | 242, 244 , 247, 248 |
| Eci1 | px | 339 |
| Ecm31 | m | 272, 273 |
| Ect1 | c | 312 |

Continued

| Protein | Location | Page Number(s) |
|---------------|-----------|---|
| Eeb1 | | 348, 354 |
| Eki1 | c | 312 |
| Ena1 | pm | 374 , 375, 377 |
| Eno1,2 | c | 52, 96 , 114 |
| Ept1 | c,er | |
| Erg1-13,20-27 | c,er,l,m | 315, 316 , 317, 318, 319, 322 |
| Eth1 | m | |
| Faa1,2,4 | c,l,pm,px | 338 |
| Fab1 | pm,v | 310, 311 |
| Fad1 | cyt | 278 , 279, 280 |
| Fas1,2 | c | 282, 301, 304 , 305, 306, 307 |
| Fat1 | pm,px | 337, 338 |
| Fba1 | c | 52, 96 , 98, 108, 110, 294, 341 |
| Fbp1 | c | 52, 106, 107, 179 , 187, 188, 341 |
| Fbp26 | | 106 , 107, 109, 132 |
| Fcy1,2 | c,pm | 244, 245 , 246, 255, 256 |
| Fdh1,2 | c | 340 , 341, 386 |
| Fen2 | pm | 272 |
| Fet3,4 | pm | 293 |
| Fig4 | v | 311 |
| Flo8 | | 331 |
| Fmn1 | c,m | 278 , 279, 280 |
| Fms1 | c | 272, 273 |
| Fol1-3 | c,m | 272, 273, 274 , 277, 297 |
| Fpr1 | | 360 , 363 |
| Fps1 | pm | 90, 117 , 360 , 372, 373, 379 |
| Frd1 | c | 120 |
| Fre1,2 | pm | 293 , 294 |
| Ftr1 | pm | 293 |
| Fui1 | pm | 244, 245 , 246 |
| Fum1 | c,m | 52, 174 , 176, 185 |
| Fur1,4 | c,pm | 244, 245 , 246 |
| Gac1 | | 364 , 365 |
| Gad1 | c | 344, 350, 351 |
| Gal1,2,7,10 | c,pm | 52, 93, 100, 101, 122, 131, 325, 326 , 328, 329, 359, 390 |
| Gal3,4,80 | | 328, 358 |
| Gap1 | pm | 272 |
| Gat1 | | 362, 395 |
| Gcn4 | | 237, 360 , 362, 365, 399 |
| Gcr1 | | 98, 112, 132 |
| Gcv1-3 | m | 233 , 234, 251, 252, 281, 282 , 343 , 347 |
| Gdb1 | c | 363 |
| Gdh1-3 | c | 213, 214, 343 , 344 |
| Gef1 | er,v | 356, 374 , 377 |
| Gfa1 | c | 264 , 266 |
| Glc3 | c | 363, 364 |
| Glc7,8 | | 361, 364 , 365, 392 |
| Glg1,2 | c | 363 |
| Glk1 | c | 41, 96 , 100, 101, 326 |

Continued

| Protein | Location | Page Number(s) |
|--------------|----------|---|
| Gln1 | c | 51, 54, 213, 214 |
| Gln3 | | 360 , 362, 395 |
| Glo1,2,4 | c,m | 387 , 388, 393 |
| Glr1 | c,m | 281, 282 , 383, 385 |
| Glt1 | c | 51, 186, 213, 214 , 215, 343 , 344 |
| Gly1 | c | 233 , 234 |
| Gna1 | c | 264 , 266 |
| Gnd1,2 | c | 193 , 195, 196, 197 |
| Gpa2 | | 360, 362 |
| Gpd1,2 | c,m | 116, 117 , 119, 129, 307, 372 |
| Gph1 | c | 364 , 365 |
| Gpm1 | c | 53, 96 , 112 |
| Gpm2,3 | c | 112 |
| Gpp1,2 | c | 117 , 119 |
| Gpt1,2 | er,lip | 307, 308 |
| Gpx1,2 | c | 383 , 385 |
| Gre2 | c | 387 |
| Gre3 | c | 333, 334 , 387, 390, 397 |
| Grx1,2 | c | 242, 383 , 385 |
| Gsh1,2 | c | 54, 280, 282, 385 , 387 |
| Gsy1,2 | c | 265, 363, 364 , 365, 394 |
| Gua1 | c | 253, 254 , 256 |
| Gud1 | c | 255, 256 |
| Gup1,2 | | 373 |
| Gut1 | c,m | 117 , 152, 177, 189, 190 |
| Hap1 | | 384 |
| Hem1-4,12-15 | c,m | 275, 276 , 277 |
| Hfa1 | m | 282 |
| His1-7 | c | 52, 238, 239 , 240, 257 |
| Hmg1,2 | c | 315, 318 |
| Hnm1 | pm | |
| Hog1 | | 360 , 365, 372, 373, 379 |
| Hom2,3,6 | c | 221, 222 , 223 |
| Hpt1 | c | 255, 256 |
| Hsf1 | | 367 |
| Hsp30,70,104 | | 367 |
| Hxk1,2 | c | 41, 96 , 100, 101, 110, 127, 326, 333, 360, 361, 392, 393 |
| Hxt1-7 | pm | 93, 100, 130, 132, 359, 360 |
| Hyr1(Gpx3) | c | 386 |
| Icl1 | c | 178, 179 , 180, 185, 189 |
| Icl2 | m | 337 , 338 |
| Idh1,2 | m | 174 , 176, 185 |
| Idi1 | c | 53, 315, 316 |
| Idp1-3 | c,m,px | 174 , 175, 195, 196, 197, 339 |
| Ilv1-3,5,6 | m | 223, 231 , 232, 348 |
| Imd2-4 | c | 253, 254 , 256 |
| Inh1 | m | 149 |
| Inm1 | c | 308 , 309 |
| Ino1 | c | 53, 308 , 309, 312 |

Continued

| Protein | Location | Page Number(s) |
|----------------------------------|----------|--|
| Inp54 | er | 311 |
| Ipk1 | | 311 |
| Ipk2(Arg82) | | 310, 311 |
| Ipp1 | c | 291 , 292 |
| Ipt1 | g | 314 |
| Ira1,2 | | 362 |
| Isd11 | m | 293 |
| Isn1 | c | 255, 256 |
| Isu1,2 | m | 293 , 294 |
| Itr1,2 | pm | 309 |
| Jen1 | m,pm | 176 |
| Kcs1 | c | 311 |
| Kgd1,2 | m | 174 , 176, 281 |
| Kha1 | | 375 |
| Lac4,12(<i>K. lactis</i>) | | 331 |
| Lac1 | er | 313, 314 |
| Lag1 | er | 314 |
| Lat1,2 | m | 174 , 176, 281 |
| Lcb1-5 | er | 313, 314 |
| Leu1,2,4,5,9 | c,m | 231 , 232, 233, 385 |
| Lip1 | er | 313, 314 |
| Lip2,3,5 | m | 282 |
| Lpd1 | m | 174 , 176, 233 , 234, 343 |
| Lpp1 | g,pm | 320, 321 , 322 |
| Lro1 | er | 321 |
| Lsb6 | c,pm,v | 311 |
| Lsc1,2 | m | 174 , 176 |
| Lys1,2,4,5,9,12,20,21 | c,m | 218, 219 , 385 |
| Lys14 | | 385 |
| Mae1 | m | 179 , 180, 181, 187, 189, 195, 196, 207 |
| Mal11-13 | c,pm | 326 , 330 |
| Mba1 | m | 146 |
| Mct1 | m | 282 |
| Mde1 | c | 229 , 230 |
| Mdh1-3 | c,m,p | 174 , 176, 184, 185, 339 |
| Mel | | 326 , 331 |
| Mep1-3 | pm | 286, 296, 362, 394 |
| Met1,8 | c | 226, 227 |
| Met2,3,5,6,10,13, 14,16,17,22 | c | 224, 225 , 226, 227, 251, 252, 277, 375 |
| Met4,18,19, 28,30,31 | | 226, 227 |
| Met7 | c | 224, 227, 252, 274 , 275 |
| Meu1 | c | 229 , 230 |
| Mht1 | c | 227, 228 |
| Mid1 | pm | 293, 295 |
| Mig1 | | 360 , 361, 393 |
| Mir1 | m | 160, 291 |
| Mis1 | m | 251 , 252 |
| Mls1 | c,px | 179 , 180, 189, 192, 337 |
| Mmp1 | pm | 227 |

Continued

| Protein | Location | Page Number(s) |
|---------------------------|----------|--|
| Mri1 | c | 229, 230 |
| Mrs3,4 | m | 293, 294 |
| Mss4 | er | 310, 311 |
| Mss51 | m | 146 |
| Mvd1 | c | 315, 316 |
| Nag1,5 (<i>Candida</i>) | | 333, 334 |
| Nce103 | c | 285, 295 |
| Ncp1 | c,er | 318 |
| Nde1,2 | m | 144, 152, 159, 176, 189, 190 |
| Ndi1 | m | 144, 152, 159, 162, 189, 190 |
| Ndt1,2 | m | 76, 77, 78 |
| Nfs1 | m | 293, 294 |
| Nha1 | pm | 374, 375 |
| Nhx1 | er | 374, 375, 377, 393 |
| Nma1,2 | c,m,n | 267, 268 |
| Npt1 | | 267, 268 |
| Npy1 | px | 389 |
| Nte1 | er | 312, 313 |
| Nth1 | c | 326, 331, 366, 368 |
| Oac1 | m | 233 |
| Oar1 | m | 282 |
| Ole1 | er | 304, 305, 306, 307 |
| Opi3 | | 308, 309, 312 |
| Opt1 | pm | 342 |
| Osm1 | | 120, 130 |
| Oxa1 | m | 146 |
| Oye2,3 | | 194 |
| Pah1 | | 320, 321 |
| Pan5,6 | c | 272, 273 |
| Pcd1 | px | 389 |
| Pck1 | c | 179, 180, 187 |
| Pcl7,8,10 | c | 364, 365 |
| Pcm1 | c | 264, 266, 329 |
| Pct1 | c | 312 |
| Pda1,2 | m | 174, 176, 190, 191 |
| Pdc1,2,5,6 | c | 96, 115, 174, 175, 289, 348 |
| Pde1,2 | c | 254, 255 |
| Pdr12 | pm | 91, 379, 389 |
| Pdx1 | m | 174, 176 |
| Pdx3 | c | 270, 271 |
| Pet100,117,191 | m | 146 |
| Pfk1,2 | c | 96, 98, 99, 105, 106, 107, 109 |
| Pfk26,27 | c | 106, 107, 108, 109, 110, 373 |
| Pgi1 | c | 52, 96, 98, 99, 102, 103, 104, 121, 193, 200, 289 |
| Pgk1 | c | 60, 96, 98, 99, 111, 112, 113, 292 |
| Pgm1-3 | c | 264, 265, 326, 327, 328, 329, 354, 390 |
| Pgs1 | m | 308, 309 |
| Pha2 | c | 235, 238 |

Continued

| Protein | Location | Page Number(s) |
|--------------------------------|----------|---|
| Pho3,5,8,11,12,84, 87,89-91 | ev,pm,v | 52, 244, 259, 290, 291 , 368 |
| Pho4,80,81,85 | | 364 , 365, 368, 370, 394 |
| Pic2 | m | 291 |
| Pig1 | | 364 |
| Pik1 | | 310, 311 |
| Pis1 | er,mit | 309 |
| Pkc1 | | 310 |
| Pkp1,2 | m | 191 |
| Plb1-3 | pm | 312 , 313 |
| Plc1 | | 52, 310, 311 |
| Pld1 | pm | 312 , 313 |
| Pma1 | pm | 81 , 82, 86, 91, 164, 367, 374 , 377, 378 |
| Pma2 | pm | 82 |
| Pmc1 | vac | 293 , 295, 393 |
| Pmi40 | c | 264 , 266, 327 |
| Pmr1 | er | 293 , 295 |
| Pnc1 | c,m | 267 , 268 |
| Pnp1 | c,m | 255, 256 |
| Por1,2 | m | 91 |
| Pos5 | m | 196 , 267 , 268 |
| Pot1(Fox3) | px | 337 , 338 |
| Pox1,2(Fox1,2) | px | 337 , 338, 339, 380, 381 |
| Ppa2 | m | 291 , 292, 297 |
| Ppn1 | v | 291 , 370 |
| Ppr1 | | 247, 358 |
| Ppx1 | | 291 , 370, 389 |
| Ppz1 | c | 272, 378, 399 |
| Pro1-3 | c | 215, 216 , 343 , 346 |
| Prs1-5 | c | 193 , 195, 199, 208 |
| Psa1 | c | 264 , 266 |
| Psd | | 52 |
| Psd1,2 | g,m,v | 308 , 309 |
| Ptc5,6 | m | 191 |
| Ptr2 | pm | 342, 358, 399 |
| Put1,2,4 | m,pm | 343 , 345, 358 |
| Put3 | | 358 |
| Pxa1,2 | px | 338 |
| Pyc1,2 | c | 54, 173, 174 , 179, 187, 269, 285, 306 |
| Pyk1,2 | c | 96 , 99, 114, 115, 127, 130, 179, 189, 289 |
| Qcr2,6,7 | m | 144 , 158 |
| Qns1 | cyt,nuc | 267 , 268 |
| Qri1 | cyt | 264 , 266 |
| Ras1,2 | | 360 , 362 |
| Reg1(Hex2) | | 361, 365, 392 |
| Rer2 | er,l | 319, 320 |
| Rgt1,2 | | 359, 360 , 361, 391 |
| Rib1-5,7 | c | 277, 278 , 279 |
| Rim101 | | 379 |
| Rip1 | m | 144, 145, 146 |

Continued

| Protein | Location | Page Number(s) |
|------------------|----------|--|
| Rki1 | c | 193 , 195, 197, 198 |
| Rnr1,2 | c,n | 242, 243 , 254, 255 |
| Rox1 | | 384 |
| Rpe1 | | 193 , 195, 197, 198 |
| Rtg1-3 | | 362, 363 |
| Sac1 | er,m | 310, 311 |
| Sah1 | c | 227, 228 , 261 |
| Sak1(Pak1) | | 361 |
| Sam1-4 | c,pm | 227, 228 |
| Sco1,2 | m | 146 |
| Scs7 | er | 313, 314 |
| Sdh1-4 | m | 152, 174 , 176, 185 |
| Sec53 | c | 264 , 265, 266, 329 |
| Sec59 | c,er | 319, 320 |
| Ser1-3,33 | c | 52, 233 , 234, 252, 253, 258, 345 |
| Sfa1 | m | 340 , 341, 348, 386 |
| Sga1 | v | 363, 371 |
| Shm1,2 | c,m | 233 , 234, 251, 252 |
| Sho1 | pm | 360 , 372 |
| Shy1 | m | 146 |
| Sip4 | | 360 , 361 |
| Sis2(Hal3) | | 378 |
| Sit4 | | 363 |
| Sjl1-3(Inp51-53) | c,pm | 311 |
| Slc1 | er | 307, 308 |
| Sln1 | pm | 360, 372 |
| Smf1 | | 293 |
| Snf1 | | 360 , 361, 362, 365, 394, 395 |
| Snf3 | pm | 100, 359, 360 |
| Sno1-3 | c | 270, 271 |
| Snz1-3 | | 270, 271 |
| Sod1,2 | c,m | 294, 383 , 384, 385 |
| Sol3,4 | c | 193 , 194, 200 |
| Sor1 | c | 333, 334 |
| Sou1 | | 334 , 336 |
| Spe1-4 | c | 228 , 229 |
| Sps19 | px | 339 |
| Srt1 | l | 319, 320 |
| Ssy1 | pm | 360 , 362 |
| Sta10 | | 331 |
| Stf1 | m | 149 |
| Stl1 | pm | 117 , 177, 372, 373, 395 |
| Stp1,2 | | 360 , 362 |
| Str2,3 | c | 225 , 226 |
| Stt4 | pm | 310, 311 |
| Suc2 | ev | 326 , 328, 330, 361 |
| Sul1,2 | pm | 227, 292 |
| Sur1,2 | er,g | 313, 314 |
| Tal1 | c | 193 , 195, 197 |
| Tap42 | | 363 |

Continued

| Protein | Location | Page Number(s) |
|---------------------------|----------|--|
| Tdh | | 60, 111, 113, 198 , 291 |
| Tdh1-3 | c | 96 , 111, 291 |
| Tgl1,3-5 | l | 321 |
| Thi4-6,10-13,20, 21,80 | c,pm | 270, 271 , 272 |
| Thr1,4 | c | 222 |
| Tkt1,2 | c | 193 , 195, 197 |
| Tmp1(Cdc21) | c | 242, 243 , 247, 251 |
| Tna1 | pm | 268 |
| Tok1 | pm | 89, 92, 93, 374 |
| Tor1 | | 360, 363 , 398 |
| Tpi1 | c | 52, 96 , 110, 111, 117 , 119, 391 |
| Tpk1-3 | | 106 , 107, 360 , 362 |
| Tpn1 | pm | 202, 270 |
| Tpo1-4 | | 229 |
| Tps1,2 | c | 127, 364 , 365, 373, 374 |
| Trk1,2 | pm | 90, 93, 374 , 377, 378, 399 |
| Trp1-5 | c | 235 , 236, 237, 238 |
| Trr1,2 | c,m | 224, 383 , 385 |
| Tsa1,2 | c | 383 , 385 |
| Tsc3,10 | er | 305, 313, 314 |
| Tup1 | | 247 |
| Tyr1 | c | 235 , 238 |
| Uga1,2 | c | 350, 351 |
| Ugp1 | c | 264 , 265, 266, 296, 326 , 327, 329, 352, 390 |
| Ura1,3-5,10 | c | 19, 240, 241 , 242, 246, 247, 262 |
| Ura2 | c | 217 , 218, 240, 241 , 246, 247, 262, 285 |
| Ura6-8 | c,n | 242, 243 , 247, 248, 254 , 255, 261 |
| Ure2 | | 247, 262, 360 , 362, 386, 393, 398 |
| Urh1 | c | 244, 245 , 260 |
| Urk1 | c | 244, 245 , 246 |
| Utr1 | c,m | 267 , 268 |
| Utr4 | c | 229 , 230 |
| Vba1-3 | v | 356 |
| Vcx1 | v | 293 , 295 |
| Vht1 | pm | 269 |
| Vip1 | c | 311 |
| Vma1(Tfp1) | | 19, 81 , 91, 291 , 356, 370, 374 , 377 |
| Vps34 | v | 310, 311 |
| Vtc4(Phm3) | v | 291 , 370 |
| War1 | | 379 |
| Xks1 | c | 333, 334 |
| Xpt1 | c | 255, 256 |
| Xyl2 | c | 333, 334 |
| Yah1 | m | 276 , 277, 294 |
| Yap1 | | 385 |
| Yat1,2 | c | 191 |
| Ybt1 | v | 91 |
| Ycf1 | v | 386 |

Continued

| Protein | Location | Page Number(s) |
|----------------|-----------------|--|
| Yef1 | c,m | 267 , 268 |
| Yeh1,2 | l,pm | 321 |
| Yhb1 | | 383 |
| Yhc3 | v | 356 |
| Ymr1 | c | 311 |
| Ynk1 | c | 242, 243 , 254 , 255 |
| Yvc1 | v | 293 , 295 |
| Zrk1 | | 294 |
| Zwf1 | c | 193 , 194, 196, 197, 198, 200, 227, 385, 391 |
