|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Species | MCM7 | ELP3 | KOG1 | GDH2 | ILV2 |
| *Ashbya gossypii* ATCC 10895 | [NP\_984137](http://www.ncbi.nlm.nih.gov/protein/45187914?report=genbank&log$=protalign&blast_rank=4&RID=HU5U0YCY013) | [NP\_986867](http://www.ncbi.nlm.nih.gov/protein/45201297?report=genbank&log$=protalign&blast_rank=7&RID=HU5U0YCY013) | [NP\_984427](http://www.ncbi.nlm.nih.gov/protein/302307709?report=genbank&log$=protalign&blast_rank=1&RID=HU5U0YCY013) | [NP\_986626](http://www.ncbi.nlm.nih.gov/protein/45201056?report=genbank&log$=protalign&blast_rank=2&RID=HU5U0YCY013) | [NP\_984555](http://www.ncbi.nlm.nih.gov/protein/45190301?report=genbank&log$=protalign&blast_rank=5&RID=HU5U0YCY013) |
| *Candida albicans* SC5314 | [XP\_712587](http://www.ncbi.nlm.nih.gov/protein/68487053?report=genbank&log$=protalign&blast_rank=6&RID=HU6CHASR01R) | [XP\_716628](http://www.ncbi.nlm.nih.gov/protein/68478719?report=genbank&log$=protalign&blast_rank=10&RID=HU6CHASR01R) | [XP\_715903](http://www.ncbi.nlm.nih.gov/protein/68480185?report=genbank&log$=protalign&blast_rank=1&RID=HU6CHASR01R) | [XP\_715974](http://www.ncbi.nlm.nih.gov/protein/68480100?report=genbank&log$=protalign&blast_rank=3&RID=HU6CHASR01R) | [XP\_721692](http://www.ncbi.nlm.nih.gov/protein/68468265?report=genbank&log$=protalign&blast_rank=8&RID=HU6CHASR01R) |
| *Candida dubliniensis* CD36 | [XP\_002418794](http://www.ncbi.nlm.nih.gov/protein/241952144?report=genbank&log$=protalign&blast_rank=3&RID=HU6HUC8D013) | [XP\_002419503](http://www.ncbi.nlm.nih.gov/protein/241953563?report=genbank&log$=protalign&blast_rank=5&RID=HU6HUC8D013) | [XP\_002417184](http://www.ncbi.nlm.nih.gov/protein/241948923?report=genbank&log$=protalign&blast_rank=1&RID=HU6HUC8D013) | [XP\_002418689](http://www.ncbi.nlm.nih.gov/protein/241951934?report=genbank&log$=protalign&blast_rank=2&RID=HU6HUC8D013) | [XP\_002419168](http://www.ncbi.nlm.nih.gov/protein/241952893?report=genbank&log$=protalign&blast_rank=4&RID=HU6HUC8D013) |
| *Candida glabrata* CBS 138 | [XP\_449582](http://www.ncbi.nlm.nih.gov/protein/50294341?report=genbank&log$=protalign&blast_rank=3&RID=HU6S4VWT01R) | [XP\_449624](http://www.ncbi.nlm.nih.gov/protein/50294426?report=genbank&log$=protalign&blast_rank=5&RID=HU6S4VWT01R) | [XP\_449926](http://www.ncbi.nlm.nih.gov/protein/50295030?report=genbank&log$=protalign&blast_rank=1&RID=HU6S4VWT01R) | [XP\_446609](http://www.ncbi.nlm.nih.gov/protein/50288361?report=genbank&log$=protalign&blast_rank=2&RID=HU6S4VWT01R) | [XP\_448375](http://www.ncbi.nlm.nih.gov/protein/50291885?report=genbank&log$=protalign&blast_rank=4&RID=HU6S4VWT01R) |
| *Candida orthopsilosis* Co 90-125 | [XP\_003868687](http://www.ncbi.nlm.nih.gov/protein/448522428?report=genbank&log$=protalign&blast_rank=3&RID=HU6ZTD2M013) | [XP\_003868521](http://www.ncbi.nlm.nih.gov/protein/448521569?report=genbank&log$=protalign&blast_rank=5&RID=HU6ZTD2M013) | [XP\_003868026](http://www.ncbi.nlm.nih.gov/protein/448519014?report=genbank&log$=protalign&blast_rank=1&RID=HU6ZTD2M013) | [XP\_003867686](http://www.ncbi.nlm.nih.gov/protein/448516991?report=genbank&log$=protalign&blast_rank=2&RID=HU6ZTD2M013) | [XP\_003868842](http://www.ncbi.nlm.nih.gov/protein/448523041?report=genbank&log$=protalign&blast_rank=4&RID=HU6ZTD2M013) |
| *Candida parapsilosis* CDC317 | [CABE01000024](http://www.ncbi.nlm.nih.gov/nucleotide/218176148?report=genbank&log$=nuclalign&blast_rank=2&RID=HU7BWJ1S015) | [CABE01000008](http://www.ncbi.nlm.nih.gov/nucleotide/218176164?report=genbank&log$=nuclalign&blast_rank=3&RID=HU7BWJ1S015) | [CABE01000015](http://www.ncbi.nlm.nih.gov/nucleotide/218176157?report=genbank&log$=nuclalign&blast_rank=1&RID=HU7BWJ1S015) | [CABE01000015](http://www.ncbi.nlm.nih.gov/nucleotide/218176157?report=genbank&log$=nuclalign&blast_rank=1&RID=HU7BWJ1S015) | [CABE01000024](http://www.ncbi.nlm.nih.gov/nucleotide/218176148?report=genbank&log$=nuclalign&blast_rank=2&RID=HU7BWJ1S015) |
| *Candida tenuis* ATCC | [EGV59938](http://www.ncbi.nlm.nih.gov/protein/344228052?report=genbank&log$=protalign&blast_rank=3&RID=HU7CPKVG013) | [EGV65912](http://www.ncbi.nlm.nih.gov/protein/344234042?report=genbank&log$=protalign&blast_rank=7&RID=HU7CPKVG013) | [EGV66317](http://www.ncbi.nlm.nih.gov/protein/344234447?report=genbank&log$=protalign&blast_rank=1&RID=HU7CPKVG013) | [EGV61770](http://www.ncbi.nlm.nih.gov/protein/344229885?report=genbank&log$=protalign&blast_rank=2&RID=HU7CPKVG013) | [EGV61074](http://www.ncbi.nlm.nih.gov/protein/344229188?report=genbank&log$=protalign&blast_rank=5&RID=HU7CPKVG013) |
| *Candida tropicalis* MYA-3404 | [XP\_002547663](http://www.ncbi.nlm.nih.gov/protein/255725468?report=genbank&log$=protalign&blast_rank=3&RID=HU7KT6M901R) | [XP\_002547960](http://www.ncbi.nlm.nih.gov/protein/255726068?report=genbank&log$=protalign&blast_rank=5&RID=HU7KT6M901R) | [XP\_002550249](http://www.ncbi.nlm.nih.gov/protein/255730649?report=genbank&log$=protalign&blast_rank=1&RID=HU7KT6M901R) | [XP\_002547366](http://www.ncbi.nlm.nih.gov/protein/255724874?report=genbank&log$=protalign&blast_rank=2&RID=HU7KT6M901R) | [XP\_002548114](http://www.ncbi.nlm.nih.gov/protein/255726376?report=genbank&log$=protalign&blast_rank=4&RID=HU7KT6M901R) |
| *Debaryomyces hansenii* CBS 767 | [XP\_457383](http://www.ncbi.nlm.nih.gov/protein/50414232?report=genbank&log$=protalign&blast_rank=3&RID=HU7TE79G01R) | [XP\_459174](http://www.ncbi.nlm.nih.gov/protein/50421257?report=genbank&log$=protalign&blast_rank=5&RID=HU7TE79G01R) | [XP\_459649.2](http://www.ncbi.nlm.nih.gov/protein/294657333?report=genbank&log$=protalign&blast_rank=1&RID=HU7TE79G01R) | [XP\_458121.2](http://www.ncbi.nlm.nih.gov/protein/294655902?report=genbank&log$=protalign&blast_rank=2&RID=HU7TE79G01R) | [XP\_461633.2](http://www.ncbi.nlm.nih.gov/protein/294659277?report=genbank&log$=protalign&blast_rank=4&RID=HU7TE79G01R) |
| *Kluyveromyces lactis* NRRL Y-1140 | [XP\_454998](http://www.ncbi.nlm.nih.gov/protein/50309969?report=genbank&log$=protalign&blast_rank=3&RID=HU8084NG015) | [XP\_455030](http://www.ncbi.nlm.nih.gov/protein/50310033?report=genbank&log$=protalign&blast_rank=5&RID=HU8084NG015) | [XP\_451414](http://www.ncbi.nlm.nih.gov/protein/50302953?report=genbank&log$=protalign&blast_rank=1&RID=HU8084NG015) | [XP\_453440](http://www.ncbi.nlm.nih.gov/protein/50306929?report=genbank&log$=protalign&blast_rank=2&RID=HU8084NG015) | [XP\_452091](http://www.ncbi.nlm.nih.gov/protein/50304283?report=genbank&log$=protalign&blast_rank=4&RID=HU8084NG015) |
| *Komagataella pastoris* GS115 | XP\_002494340 | XP\_002493503 | XP\_002491366 | XP\_002491206 | XP\_002493637 |
| *Lodderomyces elongisporus* NRRL YB-4239 | [XP\_001526012](http://www.ncbi.nlm.nih.gov/protein/149240273?report=genbank&log$=protalign&blast_rank=5&RID=HU84AK8E013) | [XP\_001526261](http://www.ncbi.nlm.nih.gov/protein/149241028?report=genbank&log$=protalign&blast_rank=4&RID=HU84AK8E013) | [XP\_001526910](http://www.ncbi.nlm.nih.gov/protein/149244734?report=genbank&log$=protalign&blast_rank=1&RID=HU84AK8E013) | [XP\_001527104](http://www.ncbi.nlm.nih.gov/protein/149245140?report=genbank&log$=protalign&blast_rank=2&RID=HU84AK8E013) | [XP\_001525930](http://www.ncbi.nlm.nih.gov/protein/149240109?report=genbank&log$=protalign&blast_rank=3&RID=HU84AK8E013) |
| *Millerozyma farinosa* CBS 7064 | XP\_004200401 | XP\_004199480 | XP\_004197044 | XP\_004195806 | XP\_004204601 |
| *Naumovozyma castellii* CBS 4309 | XP\_003674682 | XP\_003674663 | XP\_003677044 | XP\_003675984 | XP\_003676989 |
| *Pichia angusta* | [AEOI01000007](http://www.ncbi.nlm.nih.gov/nucleotide/320582261?report=genbank&log$=nuclalign&blast_rank=3&RID=HU8D2DRE01R) | [AEOI01000003](http://www.ncbi.nlm.nih.gov/nucleotide/320583369?report=genbank&log$=nuclalign&blast_rank=1&RID=HU8D2DRE01R) | [AEOI01000003](http://www.ncbi.nlm.nih.gov/nucleotide/320583369?report=genbank&log$=nuclalign&blast_rank=1&RID=HU8D2DRE01R) | [AEOI01000008](http://www.ncbi.nlm.nih.gov/nucleotide/320582046?report=genbank&log$=nuclalign&blast_rank=2&RID=HU8D2DRE01R) | [AEOI01000012](http://www.ncbi.nlm.nih.gov/nucleotide/320580434?report=genbank&log$=nuclalign&blast_rank=4&RID=HU8D2DRE01R) |
| *Saccharomyces bayanus* 623-6C YM4911 | AACG02000001 | AACG02000030 | AACG02000047 | AACG02000151 | AACG02000014 |
| *Saccharomyces cerevisiae* S288c | NP\_009761.4 | NP\_015239 | NP\_012056 | NP\_010066 | NP\_013826 |
| *Saccharomyces mikatae* IFO 1815 | AABZ01000121 | AACH01000557 | AABZ01000023 | AABZ01000088 | AACH01000297 |
| *Saccharomyces paradoxus* NRRL Y-17217 | AABY01000082 | AABY01000069 | AABY01000061 | AABY01000002 | AABY01000053 |
| *Scheffersomyces coipomoensis* NRRL Y-17651(this study) | KC616425 | KC616424 | KC616426 | KC616427 | KC616428 |
| *Scheffersomyces segobiensis* NRL Y-11571(this study) | KC616420 | KC616421 | KC616422 | KC616423 | KC616419 |
| *Scheffersomyces stipitis* CBS 6054 | XP\_001384179 | XP\_001382617.2 | XP\_001387441.2 | XP\_001384885 | XP\_001384614.2| |
| *Spathaspora passalidarum* NRRL Y-27907 | EGW32845 | EGW31709 | EGW35348 | EGW33006 | EGW31477 |