

N. delphensis MFDINTTVMANGELIKKVCLELTVNSLVMCDDGTPARITHISSAHTTVEIYQOKTKHRANE
C. nivariensis MFEINTTVMANGQIKKVSLELTVNSLIMCEDGTPARVTKLSKAHTTVEIYQOKTKHRANE
C. braccarensis MFEKNTTVMISSGEVQKVSLELRVNSLIMCEDGTSARITGLSKARHTTVEIYQOKTKHRANE
C. glabrata MFEKGTFTLMADGHLELTSATKSNYSVMCEDGTPGRVAYTTKAKOTIYEIVQOKTKHRANE
S. cerevisiae MLESENTTILMANGELIKDANVTANSYVMCADGSAARVINVTQGYOKIYNIQOKTKHRAFE
C. castellii MLEBEKTQVITSHKEIKDVSLLKVNDLNMCDDGTSARLIEIFEDVQPVYVEIYQOKTKHRANT
N. bacillisporus MLEBENTQITITADHRLVEISDLKINDYILCDDGTSAQVVTQITRDAQVLYEIKHRTKHRANE

N. delphensis GEPGRLDPRRKTIVYQRLGFNCTGSHLILPLRVPATACLENSTIK-PNLTVRWRCLEEDVVTN
C. nivariensis GEPGRLDPRRKTIVYQRLGFRCTGSHLILPLRAPAVFSLNSPKK-SNLTVRWRCLEQEIIT
C. braccarensis GEPGRLDPRRKTIVYQRLGFNCTGSHVIVLRAPTIPLCLENSSKK-SNLTVRWRCLEBVLVTH
C. glabrata GEPGRLDPRRRTVYNRLGNCSATHKLVLKTPSIPTLENNPRR-PNLTVRWRCLEBILIT
S. cerevisiae GEPGRLDPRRRTVYQRLALQCTAGHKLSVRVPTKPLLEKSGRNATKYKVRWRNLQCCQTL
C. castellii GEPGRLDPRRKTIVYQRLVLECGAAHKLRRTSATPQLVTSNKK-DNCTVCWKDMRQMVTV
N. bacillisporus QLPGRLDPRRREVVYQRLTLNCTAGHKHLRLTIPACATIDNSPKK-SNLTVRWRCLEQEIETS

N. delphensis DGRRLISIPKNHHKNFPKTQEGFLADNFIKERSAITGDIYIDYLIIEVRDLDYLDTSMRVTS
C. nivariensis DGRKSIIPKNHHKNFPKTEGYCQAQNFITEKRVINGDIYIDFKIEVRDLDYLDASMRVTS
C. braccarensis DGRRLISIPKNHHKVFPKTELYIQAAQSFINEKRSINGDIYLYEIOVRDLDYLDASMRVTS
C. glabrata DGRRLISIPKNHHKNFPKTKEGQLQAQNFMRDKRLIWGPDIDYEIOVRDLDYLDASMRVTS
S. cerevisiae DGRRLISIPKNHHKTFPMTVEGEFAAKRFTEEMERSKGEYFNFDIEVRDLDYLDACLRISS
C. castellii DGRRLDVPKTIHHKNFPKTSSEGIQAAYEMSGITSQMGSYLYYDMQVMDLEYLDPHVRVTS
N. bacillisporus DQRKIIVPKTIHHKNFPKTNEGIIQAALFATDKIIELNAGFLEYDITQVIDLDYLDAYIRVSS

N. delphensis ALKCSPIILCGNGILSKFLSGKPHLITPSITAMAWLLGLWIGDGTKEPEITMDSLDAPLM
C. nivariensis ALMCSPIILVGNGLSKFLSGQPHLITPSITVMAWLLGLWIGDGTKEPEITVDSHDVSLM
C. braccarensis TMKCNPIILVGNGLSHHLSGQRHLITPAITAMAWLLGLWIGDGTKEPEITVDSQIDILM
C. glabrata TLKCNPIILVGNGLSNFLSGQRHLITPAIVSMAWLLGLWIGDGTKEPEITVDSVDEKLM
S. cerevisiae CIRFGPVLITGNGLSKFLTGRSDLVTPAVKSMAWLLGLWIGDGTKEPEITVDSLDPKLM
C. castellii YMEFHPVTKGNGLISKHLITGQKGLITPKVLGMAWLLGLWIGDGTKEPEITMDSDELIT
N. bacillisporus NMKFCPIIMGNGILANFLTGQKEIMTPSVICMAWMLGLWIGDGTKEPEITVDSLDVELM

N. delphensis NSLIVLGRKVGIIYPTYKDEKVLRAKHVRLYYGNEPEEKRKTRNLKNNPFWNTVLALGF
C. nivariensis NSLIVLGRKVGIIYPTYKDEKVLRAKHVRLYYGNEPNEKRKTRNLKNNPFWNTVLALGF
C. braccarensis NSLIVLGRKVGIIYPTYKDEKVLRAKHVRLYYGNEPEEKRKTRNLKNNPFWNTVLALGF
C. glabrata ESLTVLGRKVGIIYPTYKDEKVLRAKHVRLYYGKGPPEERKTRNLKNNPFWNTIQNLGI
S. cerevisiae ESLRENKIVGLYLTVCDHVPRAKHVRLYYGDPDENRKRTRNLKNNPFWKAVTILKF
C. castellii AGLIEISSQWGIIPAFKDEHVPRAKHVRLYYGNGLDENRKRTRNLKNNPFWNTITSLKF
N. bacillisporus RGLTELABEQWGIYPTYKDELVPLRAKHVRLYYGKPESENKRKTRNLKNNPFWNAVTILKF

N. delphensis KKENSGEKIVPEFMWTEDEIREAFLAGLIDSDGYVSKRKNPD-VYKVSITQTIYPCIMD
C. nivariensis KKAISGEKIVPEFMWTEDEIREAFLAGLIDSDGYVVKRKNPD-TYKVSITQTVYPCIMD
C. braccarensis KKEISGEKQVPEFMWTEDEIREAFLAGLIDSDGYVVKRKNPN-TYKVSITQTVYSIMD
C. glabrata KREIDGKQVPEFMWTEDEIREAFLAGLIDSDGYVVKRKNPD-VYKVSITQTIYPSVMN
S. cerevisiae KRDLGKQVPEFMYGEIIEVREAFAGLIDSDGYVVKKGEPE-SYKIAITQTVYSIMD
C. castellii KRDLTGKQVPEFLWNEDEIREAFLAGLIDSDGYVVTNRNSSTPQKVSITQTVYSVMN
N. bacillisporus KRDLGKQVPEFMWTEDEIREAFLAGLIDSDGYVLLNNGEN---YKVSITQTVYASVMN

N. delphensis AVVHIARSLGISATVTTTSARPEVI EGR LVNCOFTYDCNISGS SALQNVLSYCRSGHKRR
C. nivariensis AVVHIARSLGISATVTTTSARPEVI EGR LVNCOFTYDCNISGS SALQNVLSYCRSGHKRR
C. braccarensis AVVHIARSLGISATVTTTSARPEVI EGR LVNCOFTYDCNISGS SALQNVLSYCRSGHKRR
C. glabrata AVVHIARSLGISATVTTTSARNEVI EGR LVNCOFTYDCNISGS TPLQNVLSYCRSGHKRR
S. cerevisiae GIVHISRLGMSATVTTTSAREEVI EGR LVNCOFTYDCNIVAGGTTLQNVLSYCRSGHKRR
C. castellii AVVHIARSLGISVTTTTSARSSEKI EDR TVQCRFTYDCNISGS GAPLQKVLSCHSKTKRR
N. bacillisporus AVVHIARSLGISVTTTTSARTEKI EGR TVQCRFTYDCNISGS GLALQNVLSYCRSTFKRR

N. delphensis KAPESVIREPQFEGFIDKKISEADVKGIFEDERNILLGNKVVVAHCCKQECLETEGNRLLD
C. nivariensis CPPESVIREPQFVGFIDQKSESEVIGIHLKQONILLGNKLI AHTCGPECLETEGNRQFD
C. braccarensis DPPESVIRDPOFVGFIDQKISELEVVGIHLQTPKNILLANKIVARS CGKECLETEGNRHMD
C. glabrata PAPPVTRDPQYVGFIDRKLREAEVYGIHLDQPRNILLGNKIVVYSCTECCETDAVHITK
S. cerevisiae EPPITKREPVYFSFTDDFQGSTVYGLTEGHKNFLLGNKIEVKS CRGCCVGEQHKISQ
C. castellii PDPGPFIRKPVYFGFDVKKHGPSKMGTKLDAKPIIMLANKMVS LPCTEACKVDHDIPYV
N. bacillisporus PKPTNFDROPVYFGFDVERKGPASVIGFKTDSKKA VLLGNKVS LPI CNDQC TKDYDIPYV

N. delphensis TKKLYCVS CPRS GVRVYFYRDWTGKNRVCGRCYGRYKFSGYRCVNCMVVPEAREVKKAKM
C. nivariensis TKNLYCVS CPRS GVRVYFYRDWSTGNRVCGRCYGRYKFSGYRCVNCMYVPEAREVKKAKM
C. braccarensis IIRNLKYCVS CPRS GVRVYFYRDWTGKNRVCGRCYGRYKFSGYRCLNCKYVPEAREVKKAKM
C. glabrata IKNLKHCVSCPRIGVRVYFYRDWTGKSHVCGRCYGRYKFSGYRCLNCKYVPEAREVKKAKM
S. cerevisiae KKNLKHCVACPRKGIKYFYKDWGKGNRVCGRCYGRYKFSGHHCINCKYVPEAREVKKAKD
C. castellii NPKTKQCIACPRRGVRVYFYKDWGESSVCGRCYAR YKFSGHRCLNCKYVPSREVKKAKM
N. bacillisporus NKKLYCVS CPRS GVRVYFYKDWGTGRVCGRCYGRYKFSGHRCLNCKYVPEAREVKKAKS

N. delphensis KGBELGIDPTGIPVRGICCPRCGILNFDIEIRGFS SAHRRAMIN-----
C. nivariensis KGBELGIDPSGIPVRGICCPRCGILLYDEVRGFS ANIRRVMLN-----
C. braccarensis KGBELGIDSTGFPVRGCCCPRCGIMKYDEVRGPTITRAMLN-----
C. glabrata RGETRLFEQSYITGLVCSRCCEGILTFDEIRGPAKKQAVQ-----
S. cerevisiae KGEKLGITPEGLPVKGPCEIKCGGILQFDVAVRGP H KSCGNAGARIC-----
C. castellii LGEKVGITPDGVMTOGYPCSSCGGILIFDAIRGPRKESRIALEAC-----
N. bacillisporus QGTKIGFNEHGNVQGYPCVSCGGVLYVDEIRGPRKTAVAPSPPTS PPTS PPTS PPTS P

N. delphensis -----
C. nivariensis -----
C. braccarensis -----
C. glabrata -----
S. cerevisiae -----
C. castellii -----
N. bacillisporus SSSPSVSPSPSTPS PPSPPSPFRSFTPS PSFPPTSPSSPPPFSIESIPVTDSSVYI