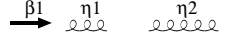


1 10 20 30 40 50
ERCC1_human MDPGKDKEGVPPQSPGPPARKKFVIPLDEDEVPVGVAKPLFRSTQSLPVTDSAQAA
ERCC1_mouse MDPGKDEESRPQPSGPPTRKRFVIPLDEEVPVAGVVKPLFRSSRNPTTPATSAHMA
ERCC1_arabi MANEDDDGGEKSRSLHQIARKPKQTQIVIGVPSYQEVLESSQTKSTPPSLFKPSQFSQAFAFVKSSDVYS
ERCC1_droso MEDFDDDSFNDVLGAMEM
Swi10_pombe
Rad10_cere MNNTDPTSFESILAGVAKLRKEKSGADTTGSQSLEID

XPF_human
Mus81_A.p
Hef_P.fu
RuvA_E.c
UvrC_E.c

60 70 80 90 100 110
ERCC1_human PQTIAEYIAISQPLEGAGATCPTGSEPL...AGETPNQALKPGA...KNSNIIIVSPRGORGNPVLKFK
ERCC1_mouse PQTIAEYIAITQPPGGAGATVPTGSEPA...AGENPSQTLKTGA...KNSNIIIVSPRGORGNPVLKFK
ERCC1_arabi PPPSSAAAASSQPSGASQVPHSSSTQHTQDAGSSSTPVPATGSVSPNNTQNRNAIIIVSHRQKGNPLKHK
ERCC1_droso PTTAAKQPKVDAPAATAVNPAVNSSTEP...SGSRPAPKGPAS...NPHCVLVVHSKORGNPILKKS
Swi10_pombe MSDIDDEEFEQLAVSALAEVEKKGAFQAQPTQPKVSRV...TAHSHIIIVNPRQKGNPLLPH
Rad10_cere ASKLQOQEPQTSRRINSQVINAFNQQKPEEWTDSKATDDYNRKRKPRFRSTRPGKTVIVNTTQKENPLLNH



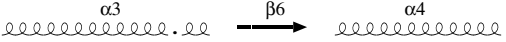
ERCC1_human
XPF_human
Mus81_A.p
Hef_P.fu
RuvA_E.c
UvrC_E.c

120 130 140 150 160 170
ERCC1_human VRNVVPEEF.GDV...IPDYV...LGQSTCALFSLR...YHNLHPDYIYHGRLLQSLGKNFALRVLVLVQVVDV
ERCC1_mouse VRNVVPEEF.GEV...IPDYV...LGQSTCALFLSLR...YHNLHPDYIYHGRLLQSLGKNFALRVLVLVQVVDV
ERCC1_arabi IRNVKWFV.SDI...IPDYV...LGQNSCALVYSLR...YHLLHPDYLYFRIRLEQKNFKLSVVLVCHVDV
ERCC1_droso IILNVLEFRDDI...VPDYV...VGRTS CVLYLSLK...YHNLNPDYIYCRRLKALGKMYELRVLVLLVQVVDV
Swi10_pombe VRNVVPEY.TDI...VPDFV...MGTGICSVLFLSLK...YHLLHPEYIYSRISKLGKSYNLRILLLVLVDV
Rad10_cere LKSTNWRVSVST...GIMTYDYDLYVGRS...YHKLIVDYISRRMQLSRNEN.NILIFIVVDV



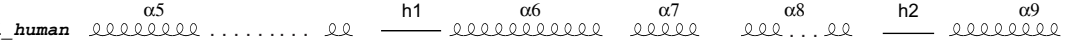
ERCC1_human
XPF_human
Mus81_A.p
Hef_P.fu
RuvA_E.c
UvrC_E.c

180 190 200 210 220
ERCC1_human K...DPOQALKE[LAKM]CI.LADC[TL]L[L]AWSPEEAGRY[LE]TYKAYEQKPADLLMEKLEQ
ERCC1_mouse K...DPOQALKE[LAKM]CI.LADC[TL]L[L]AWSAEEAGRY[LE]TYRAYEQKPADLLMEKLEQ
ERCC1_arabi E...DTVKPLLEVTKTAL.LHDC[TL]LCAWMSMTECARY[LE]TIKYVENKPADLIQGGMDT
ERCC1_droso P...EPNNALKSLTRISL.LADL[TL]MMLAWNAEEAGK[I]ETYKQFEKRPDLIMERVES
Swi10_pombe E...NHQASIQELVKTSL.VNQY[TL]L[L]AWSSEEAAAY[LE]TYKAYENMSPALIMEKPSV
Rad10_cere N...NSEDTLNDITKL[CM.FNGE[TL]L[L]AFNFEOAAK[Y]EYLNL



ERCC1_human
XPF_human
Mus81_A.p
Hef_P.fu
RuvA_E.c
UvrC_E.c

230 240 250 260 270 280
ERCC1_human DFVSRVTE...CLTTVKSVMKTDSDQTLTTFGSLEQLIAASRED...LALCPGLGPQKARRLFD
ERCC1_mouse NFLSRATE...CLTTVKSVMKTDSDQTLTTFGSLEQLFTASRED...LALCPGLGPQKARRLFE
ERCC1_arabi DYLRLNH...SLTSIRHVNSKDDVVTLGSTFGSLAHIDASMED...LARCPGIGERKKVRLYD
ERCC1_droso NPHQKLLA...ALTNIKPVNKTDAALLLHTFNGNLGNINASEER...LSQVMGLGPRKAKKLYK
Swi10_pombe DYLSQVQS...FLTSIRGINKSDLSLSLKFGLSERALVARSDE...LEQLEGWGPQTKVNRFLP
Rad10_cere



ERCC1_human
XPF_human
Mus81_A.p
Hef_P.fu
RuvA_E.c
UvrC_E.c

290
ERCC1_human VLHEPFLKVP
ERCC1_mouse VLHEPFLKVP
ERCC1_arabi TFHEPFRKRTSSYPVVEPPIPPEAPVEKDVNSEPEVEDEDFVEDSRKRRKKPEPEPEKTVKTALSAVFAR
ERCC1_droso TLQEPFLSK
Swi10_pombe AVQQPFFMSHSTIKRPEAINLKQT
Rad10_cere

ERCC1_human 000

890 900
XPF_human FIHTSFAEVVSKGKGGK
Mus81_A.p ILMTPYKRS
Hef_P.fu VITAPYIEDEE
RuvA_E.c EMKDRFKGLHGDLF
UvrC_E.c SLKH