

AspRS_Tthermophilus: η_1 η_2 β_1 \rightarrow TT

AspRS_Tthermophilus: 1 MRR.....THYAGSLRETHVVG.....EVEVLEGVVNRRRDLGG.....

Ten1_Ncrass: 1 MSNGPLPSQLCLLPDLALKKEG.....DKVRFVFLGCVTSYSTVAG.....

Ten1_Gzeae: 1 MSRGVPVPSQLHLLSDLPVAVPVG.....NKVRFVFLGCVTSYSTSSA.....

Ten1_Anidulans: 1 MSNGPSPSTRAFLADILSLPAD.....SKVRFVFLGWVKTYNISTG.....

Ten1_Spombe: 1 MDS...AKLIFINQINDCKDG.....QKLRFLGCVQSY..KNG.....

Ten1_Scerevisiae: 1 MSQ.....LVLDLKLCKDKIATNYDIHNNVYGGNGMEPNIIHPSKRFRIVVRLVDFLFCKSDEEFIKGF

Rpa32_Hsapiens: 136PCTISQLLSATLVDEVFRIGNVEI.....SQVTVVGIIRHAEKAP.....

Rpa14_Hsapiens: 1 MVDMMDLPRSRINAGMLAQFID.....KPVCFVGRLEKIHPTG.....

Rpa14_Hsapiens: β_1 η_1 \rightarrow TT β_2 \rightarrow TT

AspRS_Tthermophilus: β_2 \rightarrow TT β_3 \rightarrow α_1 η_1 \rightarrow TT β_4 \rightarrow TT

AspRS_Tthermophilus: 34 ..LIFLDLRDRE.....GLVQLVAHPASPAY.ATAERVVRPEWVVRAKGLVRL.....RPEPNPRL

Ten1_Ncrass: 40 ..VLT LQHHHQAQDS.....RCVVALVDVTLALRTLKSDQVRIGEWVNVIGYITAVNPPFPARKGSMREN

Ten1_Gzeae: 40 ..RLTLGHLYPKD.....STVTASVDVSLLLQSLTNEKTRVGEVNVVIGYVTEQKTI RHKKPPYQES

Ten1_Anidulans: 40 ..RLVLEHNYPRAKKPKQPKQDPPSVSVVDVNAVLETVTWEELCVGAWVNVIGYVREPVQSLKGEPE..S

Ten1_Spombe: 34 ..ILRLID.....GSSSVTCDVTVVLDPVSIQKH...EWLVNIVGRKRQD.....

Ten1_Scerevisiae: 65 FCQMIVRNHLHCLNSTNGA...EEMRLYMSERLFSAHKDDLRLINGQVLDVRIWVYGIHQSP.....

Rpa32_Hsapiens: 176 ..TNIVYKIDDMTA.....APMDVRQWVDTDDTSSENTVVPPEYVVKVAGHLRSFQ.....

Rpa14_Hsapiens: 39 ..KMFILSDGEG.....KNGTIELMEPL.....DEEIS.GIVEVVGRTAK.....

Rpa14_Hsapiens: β_3 \rightarrow TT β_4 \rightarrow β_5 \rightarrow TT

AspRS_Tthermophilus: β_5 \rightarrow η_3 η_3

AspRS_Tthermophilus: 86 AT.....GRVEVELSALVELLAEAKTPPFVDAWVRGEEK.....

Ten1_Ncrass: 102 ETFQARVQMQRVIRALLVWSVSGP.....LDTQRYNESVDALKSCCSITAPNSASKNGQ

Ten1_Gzeae: 100 K.....QVGVQAIVLWSTGP.....MDLQKYEK.....

Ten1_Anidulans: 105 D.....SVYVDVAVVIFPAGA.....VDLGEY.....

Ten1_Spombe: 73GIVDVLIRSAVG.....INLPRYRQMVSRQKCD.....

Ten1_Scerevisiae: 124PIFEIIFKILSR.....NDVRFDFCEVKSPLGKFLNISNS.....

Rpa32_Hsapiens: 225NKKSLVAFKIMPLEDM.....NEFTTHILEVINAHMVLVS.....

Rpa14_Hsapiens: 77ATI LCTS YVQFKEDSHP...FDLGLYNEAVKIIHDFPQ.....

Rpa14_Hsapiens: β_6 \rightarrow α_1 η_3