

SUPPLEMENTARY MATERIAL

Appendix S1

List of the complete sequences mapped by the replication blockage assay.

pSV010 forward primer:

ATAATGGTTACAAATAAAGCAATAGCATCACAAAT-
TTCACAAATAAAGCATTTTTTTTCACTGCATTCTAGTT-
GTGGTTTTGTCCAAACTCATCAATGTAT

pSV010 reverse primer:

CCAACACTCTGAACACAGCAGTGAGGACTCCAGAT-
ATTTAATTACCCTTAGAAGCGGTCTGTGAAAAACCC-
CTACCCAATTTCTTTTTTGTAAAGTGACCTATTAACA-
GGAGGACACAGAGGGTGGATGGGCAGCCTACGATT-
GGAATGTCCTCTCAAGTAGAGGAGGTTAGGGTTTAT-
GAGGACACAGAGGAGCTTCTGGGGATC

pSV011 reverse primer (SV40 origin region):

AGGTTCCAGTACGACTGTGAACGACGGCCAGTGC-
CAAGCTTGCAAAGCCTAGGCCTCCAAAAAGCCTCCT-
CACTACTTCTGGAATAGCTCAACGGAGGCGCCTCGG-
CCTCTGCATAAATAAAAAAATTAGTCAGCCATGG-
GGCGGAGATGGGCGGAACTGGGCGGAGTTAGGGGC-
GGGATGGGCGGAGTTAGGGGCGGGACTATGGTTGC-
TGACTAATTGAGATGCATGCCTGCAGGTGCACTCTA-
GAGGATCC

pSV011 SV40 primer:

GACAGGTTCCGACTGGAAGCGGGCAGTGAGCAGCA-
CAACGCAATTAATGTGAGTTAGCTCACTCATTAGGC-
AACCCAGGCTTTACACTTTATGCTTCCGGCTCGTA-
TGTTGTGTGAATTGTGAGCGGATAACAATTTTACA-
CAGGAACAGCTATGACATGATTACGAATTCGAGC-
TCGGTACCCGGGATCCTCTAGGGTTCGACCTGCAGG-
CATGCATCTCAATTAGTCAGCAACCATAGTCCCGCC-
CCTAACTCCGC

pSV010 SV40 primer:

TTAGGTACCTTCTGAGGCGGAAAGAACCAGCTGTG-
GATGTGTGTGAGTTAGGGTGTGGAAAGTCCCCAGG-
CTCCCCAGCAGGCAGAGTATGCAAAGCATGCATCT-
CAATTAGTCAGCAACCAGGTGTGGAAAGTCCCCAG-
GCT-CCCCAGCAGGCAGAGTATGCAAAGATGCATCT-
CAATTAGTC

pSVCAT CAT primer:

CGGCTTAAGCGTTATACCAGCTGAACGGTCTGGTTT-
AAGGTTACATTGAGCAACTTGACTGAAATGCCTCAA-
ATGTTCTTTACGATGCCATTGGATATATCAACGGTG-
GATATCCAGTGAATTTTTTCTCCATTTTAGCTTCCTT-
AGTCTCTGAAAATCTCGCCAAGCTCCCGGAGCTTT-
TTGCAAAAGCCTAGGCCTCCAAAAAGCCTCCTCAC-
TACTTCTGGAATAGCCTTCCAAGACGGGAGGCGGC-
CTCGGCTCTGTAAAT

pSV011 CAT primer:

CGATAATTGTGGAACGCAGGTTTCCATGCACGACTT-
GTGAAAACGACGGCCATGGCCAAGC

pSV010 CAT primer:

TCAGAGGAATATTCGTACCAGGCACTCCTTCAAGAC-
CTAGAAGGTCCATTAGCTG?AAAGATTCTCTCTGT-
TAAAAGCTTTATCCGATCTTTGCAAAG

M13mp18 reverse primer:

GAAGAACCAGCAAGCGCCATTCGCCATTCAGGCTG-
CGCAACTGTTGGAAGGGCGATCGGTGCGGGCTCTT-
CGCTATTAGCCCAGCTGGCGAAAGGGGGATGTGCT-
GCAAGGCGATTAAGTTGGGTAACGCCAGGGTTTTCC-
CAGTCACGACGTTGTAACGACGGCCAGTGCCAA-
GCTTGCATGCCTGCAGGTGCACTCTAGAGGAT

M13insert1 reverse primer:

AACTCTAGAGGTTATGGAAGAGCAGGACTGTAACA-
ATGGCAGATCCACAGACGGGTGTGGTCGCCATGAT-
CGGTAGTCGATAGTGGCTCCAAGTAGCGAAGCGAG-
CAGGACTGGGCGGCGGCCAAAGCGGTGCGACAGTG-
CTCCGAGACGGGTGCGATAGAAATTGCATCAAGAT-
ATAGCG

M13insert3 reverse primer:

AAAGACTTTTTCTACTACAGGCCTCCCGTAGTCGCCC-
TGTAAGTAACCATTTTTAAAAATGAGCATATATATTCC-
ATTGGCGCCTGTACCGATCGCCCCAAATACCAACCA-
TCATAACAATAGTTTCGCTGGAATTCGAGCTCGGTAC-
CCGGGGATCCTCTAGAGTCCG

M13insert4 reverse primer:

TGGAGGAGGCAGAGAATGAACTTTTTCATTTTCCAAG-
TCATCGAACTTCAAATGCGAGGTAATTCGAGTCGTT-
TATTAGCTTTTCATCGATTGTCTGGATATGTCTTGGT-
ATTTT

M13insert5 reverse primer:

TTTGA AAAAATACTAATTCTGAGAAGGCGACATCC-
AAGCAAAGAACGATGAAACCTATCTGTTTCTTCAGG-
ATCAGGATGAAAGCGCTGATTTCGCATCACCATGAC-
GAGTTAGGTTTCAGAAATCACTTTGGCTGACAATAA-
GTTTTCTTATTTGCCCCCAACTCTAGAAGAGTTGAT-
GGAAGAGCAGGACTGTAACAATGGCAGATC

M13mp18 forward primer:

TCATAATGCAGCTGGCACGACAGGTTTCCCGACTGG-
AAAGCGGGCAGTGAGCGCAACGCAATTAATGTGAC-
GTTAGCTCACTCATTAGGCACCCAGGCTTTACACT-
TTATGCTTCCGGCTCGTATGTTGTGTGGAATTGTGA-
GCGGATAACAATTTACACAGGAAACAGCTATGAC-
CATGATTACGAATTCGAGCTCGGTACCCGGGGATCC-
TCTAGAGTCGACCTGCAGGCATGCA

M13insert1 forward primer:

TGAAATGGAGGAGGCAGAAGAATGAACTTTTTCAT-
TTTCAAGTCATCGAACTTCAAAAATGCGAGGTAATT-
CGAGTCGTTTATTAGCTTTTATCGATTGTCTGGATAT-
GTCTTGGTATTTTCTCTTTTCTTTGGAA

M13insert4 forward primer:

TTCATCACGTGCTTTGAAAAAATACTAATTCTGA-
GAAGCGCAACATCCAAGCAAAGAACGATGAAACCT-
AATCTGTTTCTCAGGATCAGGATGAAAGCGCTGATT-
CGCATCACCATGACGAGTTAGGTTTCAGAAATCACTT-
TGGCTGACAATAAGTTTTTCTTATTTGCCCCCAACTCT-
AGAGGATCCCCGGGTACCGAGCTC

M13insert5 forward primer:

TCTTGGGGCAAACCCAATGTTTTGAAGTTCTAACCC-
ACCAAGCTAGACTTCTTCTTCTTTTTACTGCCATCGT-
TTTCGAATTCAGCGAACTATTGTTATGATGGTTGG-
TATTTGGGGCGATCGGTACAGGCGCCAATGGATATT-
ATTATGCTCATTTTTAAAAATGGTTACTACGAGGGCG-
ACTAGCGGAGGGGGGATCCTCTAGAGTCGACCTGC-
AGGCATGCAAG

Appendix S2

Tabulation of stop sites found in the replication blockage assay.

pSV010 forward primer:

TGGT AAGC TAGT TGGT

pSV010 reverse primer:

AGGA CGGT AGGA AGGA AGGGT TGA TGGC
TGA AGGA AGGT AGGGT AGGA AGGA TGGGA

pSV011 reverse primer:

CGGC TGA TGGGC CGGA TGGC CGGA TGGC
CGGA AGGGC CGGA TGGC CGGA AGGGC
CGGA TGGT GAG AGGT AGGA

pSV011 SV40 primer:

AGGT TGA CGGC AGC AGC CGC TGA CGGA
AGGA CGGT CGGGA AGGGT AGC

pSV010 SV40 primer:

AGGT AGC CGGA TGA AGGGT TGA AGC AGC
CAG GAGT AAGC TAGT AGGT TGA AAGT AGC
AGC

pSVCAT CAT primer:

CGGT TGGT AGGT GAGC CGGA AGC AAGC TGA
AAG AGC CGC CGC

pSV011 CAT primer:

CGAT TGA AGGT

pSV010 CAT primer:

AGGA AGC AAG TAGA AGGT AAG

RFM13mp18 reverse primer:

CAGC AGC TGA AGGC CGT CGGC AGGGGA
AGC TGGT AGGT CGC AGT AGGA

M13insert1 reverse primer:

TGA AGGA TGC CAG CGGT TGT TGC AGGA
TGGC CGC CGC CGT CGGA CGGT

M13insert3 reverse primer:

AGC TGC TGA CGT CGGGA

M13 insert4 reverse primer:

TGA AGGA AGT

M13insert5 reverse primer:

AGC AGGA AGA AGT TGA AGA TGC

M13mp18 RF forward primer:

TGC AGT TGA CGGC AGC AGC CGC TGA
CGA AGA CGGGA AGC

M13insert1 forward primer:

TGA AGA AGC AGT TGA TGT TGA

M13insert4 forward primer:

AGC AGA AGA AGT TGC AGA CGGT

M13insert5 forward primer:

TGGGC TGT TGGGC CGT AGC AGC TGA
TGT AGGC CGA AGGGGA AGC

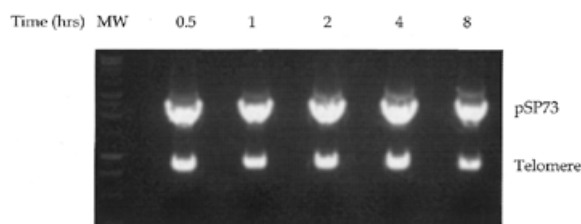


Figure S1. Time-course platination of pSP73.Sty11. Image of a 1% agarose dye gel, under UV irradiation, containing five time points showing the 800 bp telomere fragment and the 2464 bp pSP73 fragment. The faint lane on the far left (MW) is a molecular weight marker.