Suppl Fig S1

```
#######################################
# Program: needle
# Commandline: needle (GLOBAL)

# Aligned_sequences: 2
# 1: Human
# 2: Mouse
# Matrix: EDNAFULL
# Gap_penalty: 10.0
# Extend_penalty: 0.5
#
# Length: 665
# Identity:     397/665 (59.7%)
# Similarity:   397/665 (59.7%)
# Gaps:         155/665 (23.3%)
# Score: 1111.0
#
```

ATG - start codon
c - TERT c.-124C
c - Tert c.-123C
c - TERT c.-146C

```
Human             1 gcgcgggcggggaagcgcggcccagacccccgggtccgcccggagcagct     50
                            |||||    ||.|||                  ||||
Mouse             1 -----------gaagc----ccgaga-----------------agca---     15

Human            51 gcgctgtcggggccaggcc---------gggctcccagtggattcgcggg     91
                     ..||||.|.||..|..||         |.||.|||..|.|.|.|.|...
Mouse            16 -ttctgtagagggaaatcctgcatgagtgcgcccccttttcgttactccaa     64

Human            92 cacagacgcccaggaccgcgcttcccacgtggcggagggactggggaccc    141
                    ||||    .||||.|        .||||        .|.|||.||   ||
Mouse            65 caca----tccagca--------accac--------tgaacttgg---cc     91

Human           142 ggg-----cacc-cgtcctgccccttcacc----tt----ccagctccg-    176
                    |||     |||| .|||||   |.|.||||    ||    |||.|..||
Mouse            92 ggggaacacacctggtcct---catgcaccagcattgtgaccatcaacgg    138

Human           177 ---cctcct----ccgcgcggaccccgccccgtcc----cgacccctccc    215
                       ..|.||    |.||   |||||||||||.|||    |.||.|.|
Mouse           139 aaaagtactattgctgc---gaccccgccccttccgctacaacgctt---    182

Human           216 gggtcc-ccgg---cccagccc---ctctccgggccctcccagcccctccc    258
                     ||||| ||.|   ||| ||||   ||||||    .||||||  ||||..
Mouse           183 -ggtccgcctgaatccc-gccccttcctccg----ttcccag--cctcat    224

Human           259 cttcctttc--cgcggcccc-----gccct--ctcctcgcggcgcgagtt    299
                    |||  ||||  ||.||.|.|     |.|||  .||||.||.|     .||
Mouse           225 ctt--tttcgtcgtggactctcagtggcctgggtcctggctg-----ttt    267

Human           300 tC-AGGCAGCGC---TGCGTCCTGCT--GCGCACGTGGGAAGCCC-TGGC    342
                    || |.||| |.|   |||.||.||.|  .||||||||||.|||| |
Mouse           268 tctaagca-caccctgcatcttggttcccgcacGTGGGAGGCCCAT---    313

Human           343 CCCGGCCACCCCCGCGATGCCGCGCGCTCCCCGCTGCCGAGCCGTGCGCT    392
                    |||||||.....|.|.|||.|.||||||||.||.||||..||.|||||||
Mouse           314 CCCGGCCTTGAGCACAATGACCCGCGCTCCTCGTTGCCCCGCGGTGCGCT    363

Human           393 CCCTGCTGCGCAGCCACTACCGCGAGGTGCTGCCGCTGGCCACGTTCGTG    442
                    |.||||||||||||..||||||.||||||..||||||||||.||.||.|||
Mouse           364 CTCTGCTGCGCAGCCGATACCGGGAGGTGTGGCCGCTGGCAACCTTTGTG    413

Human           443 CGGCGCCTGGGGCCCCAGGGCTGGCGGCTGGTGCAGCGCGGGGACCCGGC    492
                    ||||||||||||||||.||||||.|||||||.||||||.|.||||||||||..
Mouse           414 CGGCGCCTGGGGCCCGAGGGCAGGCGGCTTGTGCAACCCGGGGACCCGAA    463

Human           493 GGCTTTCCGCGCGCTGGTGGCCCAGTGCCTGGTGTGCGTGCCCTGGGACG    542
                    |...|.||||.|..||||.|||||.||||||.||||||.|||.||||||.|.
Mouse           464 GATCTACCGCACTTTGGTTGCCCAATGCCTAGTGTGCATGCACTGGGGCT    513

Human           543 CACGGCCGCCCCCCGCCGCCCCCTCCTTCCGCCAGgtgggcctcc--ccg    590
                    |||.|||.||.||.|||||.||..|||||||.||||||||||||||  .||
Mouse           514 CACAGCCTCCACCTGCCGACCTTTCCTTCCACCAGgtgggcctccaggcg    563

Human           591 gggtcggcgtcc---    602
                    ||.||     ||
Mouse           564 ggatc-----cccat    573
```