

# SEQUENCE LISTING

<110> Anadolu University

<120> Tetrahymena thermophila Artificial Chromosome 1

<130> 5

<160> 9

<170> PatentIn version 3.5

<210> 1

<211> 2378

<212> DNA

<213> Artificial Sequence

<220>

<223> Telomere sequence

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| gcgtttctgg gtgagcaaaa acaggaaggc aaaatgccgc aaaaaaggga ataaggcgca  | 300  |
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| cgcggccgcc taggccgatc cgctgcacgg tcctgttccc tagcatgtac gtgagcgtat  | 840  |
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| aatttgatca aaaataaata atcaattaat tcaaaaaaac aaaaaaaaca ctctcaacaa   | 780 |
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| gccttcctgt ttttgctcac ccagaaacgc tggtgaaagt aaaagatgct gaagatcagt  | 240  |
| tgggtgcacg agtgggttac atcgaactgg atctcaacag cggttaagatc cttgagagtt | 300  |
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| aagtggactc acagaaaaat  | taagcggatt     | gcgcta      | atgagtggac  | tactcaaaa   | 5880 |
| atgaagcaga ctcgcttaaa  | aatgagtgga     | gccactcaaa  | aagttcagca  | gagccactta  | 5940 |
| aaaatttagc ttaaaatcag  | ctctaaatta     | aattagactt  | agtgaaaaat  | agcgaaaaatg | 6000 |
| aaaaaaatga aaaaatgaat  | gaaaactgaa     | aaatttacia  | gggattgaaa  | attttggcag  | 6060 |

|  |      |
|--|------|
| agtctttttt ttggcaaaaa aaaaaacaaa aatagtaaac cttccgaact tttttgactt  | 6120 |
| tgagaaaaat tctttggcaa aaaaaataaa aataatatca ggggggtaaa aatgcatatt  | 6180 |
| taagaagggg aaacatctcc ggtcgaaaat cacttaaaat tgagtaataa ttgggtttaa  | 6240 |
| aatttaaatt tgagtagata agaattagat gtttatattc tgctaatttc actggtgaaa  | 6300 |
| atgtagcaaa tagaaattat tttaatctaa taaactagca aatagtattt aaaacaaaaa  | 6360 |
| tatttgtttt ttatgttgta aaatgtttta aattagataa aatttacaaa tttacaaatt  | 6420 |
| ttcaagcaaa ataggttcta aaaaatgaga aaatattaca tatttttagct atttgactac | 6480 |
| tttaatgcta gtaaattaaa atgaatttaa ttcattttca ctttaaaaca cttattttta  | 6540 |
| taaaatatat gattttaaaa tgataaaata ttttttaaga ggtaaattta agaaattagt  | 6600 |
| taaattttta agaaaaagca tctaaaaatg gacaaaaatg aagtatttcc tttttttata  | 6660 |
| catttaaatg ctagaaaatt taagtaaaac atttataaat aaaagtaaaa tagttttagg  | 6720 |
| aatatgagta aatagttttt tttatgtaaa aaacatttta tcaatttcatt ttattcattt | 6780 |
| tagttaaatt tttcattcac aaaaaacttt tttttggtaa aataaagact ttataaagat  | 6840 |
| aacttaaaga aaaagtttat ctagaattaa aaatattgat ttgaaaatt gctcattaga   | 6900 |
| tatttttttg gcaaaaaaaaa aaacaaaaat agtaaaaaat cacttttttt gagagttgaa | 6960 |
| aaaaagactt agaaaaaatt ttaaaagtgt aaaaaagac ttagagaaaa aatcaaaaag   | 7020 |
| agataaaaag acttagagaa aattttataaa ttaaaaatga tagaaaagta aaattttatt | 7080 |
| tatatTTTTT aatcatttaa atgctagtaa atttaaataa aacatatata aaaaaacata  | 7140 |
| aaacaatttt aacagcatgc gtatatcatt ttttatatgt aaaaaacatt ttatcaattt  | 7200 |
| catttattca ttttagttaa attttacatt caaaataaat tttttttgat taaataaaga  | 7260 |
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| ttgcaacttt tgagacttcg tgaaaaaaga cttagaaaaa tttttgaaaa atgaaaaaaa  | 7440 |
| aagacttaga gaaaaaaatc aaaaaagtga aaaaagactt agaaaaattt tttaaaatga  | 7500 |
| aaaaatgatt taggagaaat tttgagattg cgcttagatt ttgtgtgaag tcacttacaa  | 7560 |
| aaaatgagcg gactcgctca aatattttaag tggactcgca taaaaatgag tggagtcact | 7620 |
| aaaaaaatta agtgaactca cttaaaaatg agtggagcca ctcaaaaaat taagcggact  | 7680 |



|  |      |
|--|------|
| cgcttaatat tcgcggagtt aaacaaaaat aagtggactc acagaaaaat taagcggatt  | 7740 |
| gcgctaaaaa atgagtggac tcactcaaaa atgaagcaga ctcgcttaaa aatgagtgga  | 7800 |
| gccactcaaa aagttcagca gagccactta aaaatttagc ttaaaatcag ctctaaatta  | 7860 |
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| aaatttaciaa gggattgaaa attttggcag agtctttttt ttggcaaaaa aaaaaacaaa | 7980 |
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| cgaggggggg cccggtaccc aattcgccct atagttagtc gtattacgcg cgctcactgg  | 8160 |
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| cagcacatcc ccctttcgcc agctggcgta atagcgaaga ggcccgcacc gatcgccctt  | 8280 |
| cccaacagtt gcgcagcctg aatggcgaat gggacgcgcc ctgtagcggc gcattaagcg  | 8340 |
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| ttacaattta g   | 8771 |