macrogen

```
        10        20        30        40        50        60        70        80        90        100       110       120       130
G CA TGTAA AAA AT AT AC TCCAAC T TTTAA TTTAAAAC TTT TAAAAATTT TAAAT CCTACC TGGG CCGTG AAATCCA CCGCCCCC TTGGGGGGGG TTTTTC TTGGGG TCC CCCGC AACAAAACCCCC TCC CCATTC
```

```
        140       150       160       170       180       190       200       210       220       230       240       250       260
C TTT AC GG AAACC TT T TTT ACC TTT AAACCCACA TTT TCC CCC GG TAC GGC TTC CCAAAAAAC TTCC TGGGGCC TCC CCAC GG AATTAAC TTCCA TGGGG AAG TTGGCC GGGGCC AAACCC ACAACCC TAC
```

```
        270       280       290       300       310       320       330       340       350       360       370       380       390       400
CC GG TTTAATG AAAC CCA TTTCCCCCCC ACCAAC TGGG A A G TTCC CAAACCC CCCATTTT TTACCCC TCCC AAAAAAAAAATAATT GGTTAAAAATATT CCAAAAAAAAT AAAAT GC TACC ATACC ACCTA
```

```
        410       420       430       440       450       460       470       480       490       500       510       520       530
AATTTAAC TATTT TTAC TTGG AAGGGG AAACC AAAAACCC TTGCC GTTGG AAC AAC GGGTGGG AAAAAAA CATC CAAAAC TTCCAT CCAACC TTTT CCC TCC ACC TTTT CC TTCC TT ACC TTCAAAGTTCCCT
```

```
        540       550       560       570       580       590       600       610       620       630       640       650       660
CCC TTG AACCCTGGC CATTTTTTCCG AAAC TTCC CACAT GTTGTCCCCC TTCCTCCC AAAATT GGCCCC AAAACCACCACCACT GGGTTGG AACCCATCCTCC TAAAGGAACTGCC GACTTCCTTCCTAATTT
```

670   680   690   700   710   720   730   740   750   760   770   780   790
CTTCCAAACCAACCCAAAGATGAATACTATTTTTGTAAAATTTTGCAAAATTGGACAAAAAAAACAATCAAAACTTACTTCCCTGAAGGGGGCTCATGGAATCCATTTTGTTCCCCCACCATCAAT

800   810   820   830   840   850   860   870   880   890   900   910
TGTTTCCCCCCAGGGTGAAACCAAAAAACGTGTCCCAATCTGTCCTTCTTGGAAAACCACTTCAATTCCCAGTACCGCACCACAATAGTACGCACATCGGCTGTGAGGTCCGGTGACATGTCCT

920   930   940   950   960   970   980   990   1000   1010   1020
GATGAATCCCTGGTCCAGTCGTCATGATGGGACTAATATTAAAGGTTCGAATTCCACAGCGATCAAATACCTCTCCCCCTCTTATCAAAAAAAAAAAACCCCAAAA