macrogen

```
          10        20        30        40        50        60        70        80        90       100       110
T  CT CG   T G C G G AC  C T A G A GGTC CCCTTT TTT  ATT  TTAAAAATTTT TTT CCCAAAACG GTTT ACAAG CATAAAAT CT CTG ATAG ACCGGGG ACTT AT CAT CCAACCTGTT TAGG AGCG
```



```
         120       130       140       150       160       170       180       190       200       210       220       230
C TCTAATG GCT GT TGGT CT TGGT CCT TT GCCCACC CTGCACCCGGT TCCGGGTTTTGAACTCGGT ATCGCT TCTGCCGGT ATCAAGCGCC CGGGGCGCAAGCGAT GT GGTGGTCCTGC
```



```
         240       250       260       270       280       290       300       310       320       330       340       350
GCTT GGCC TAAAGCT CCAGCGTG GCTGGC CTGTTCAC GCTCTGCTTGCTCTGCCTCGGCGAATTTCGAT CCTGTCGTCCCCGCGTGTAC CGGGCACCGTGCGCTACCTGATGACCAATT
```



```
         360       370       380       390       400       410       420       430       440       450       460       470
GCGGTAACGCCGACGCCGGCCCCGGCGCGCCGGGCCTGGCCACCTCCTATCGCACCTGCTCCCAGCTGGCCTAACTGGGGGGCGTACCGACCGACTCCGTACTGCCTTTATCCACCG
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         480       490       500       510       520       530       540       550       560       570       580
G CGTGATAG ACAATCCGCTACCCGTCAAAAAGAACAAAGGCGCGCTGAAGGGCTCCCTCGAGAACCTGTCCGAGAACGCCTGGAAGATAAACCTGTACCGGGCATAAAGAACCACCGG
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590   600   610   620   630   640   650   660   670   680   690   700
A CGC CCTGC CCA AAG GGG CCA GC C GCCC GTT CCAGCACG ATT G C GTACCGCCC C CCCAT A C AACTC AA AAC AA AAAA AAA AAAAAA AGA CCA CCT ACC CGA ATAT GAATGG CG GAG

710   720   730   740   750   760   770   780   790   800   810   820
TTGTGC A ACA CAA AGG AAA A AAA GCC GG CAA CAC CC AC AGA GATA AA GA A CTAAA CG TG GG GCG G AC ACGAG TT A TAT AT AC AT CC AGC AGC GGGAC GGAC C GGG TGT ATT TCC CTA G

830   840   850   860   870   880   890   900   910   920   930   940
TTAGGC AAA CTTC AGC AAAAAA GAGG CCC TT GCCA CG C AC AAA TTT CAC C AAC CCCC AAAAAAA AAAAAAA A AAATT GGT CCG GGCT CCTG AAATT T C AAA TTGC CA AA ATGC TG CTG AAC   A

950   960   970   980   990   1000   1010   1020   1030   1040   1050   1060
AG GGAA AA A GG A AGAT CC CCCG AGGA ACA ATCC CCC ACA CC C AAC CCC A CT GC GAG AA CAG TTTG GGA TGGG GCC CTT TTTGAG CGA GAGA GGGG CC G CAG AGG ACAAT AG A TT TTC

1070   1080   1090   1100   1110   1120   1130   1140   1150   1160   1170   1180
CGGCTC AT GGGTG TGAT C ACCC AC CAG TTT TT TTT T C CCA CACCG A T TA G C AAA G GGGGGGG GG CGAAGG AGGGG A TCTCG TTTCTA AAC TTTT T A TGG CCA GGG AGAAAG A GGTC TGCC