macrogen

```
          10        20        30        40        50        60        70        80        90        100       110
G  T    T TA CT A T T GC G GA C CTA GA GGTC CCCTTTT TTT ATTTT AAAAATTTT TTT ACAAAACGGTTTACAAGCAT AAAAT CT CTGAT AGACC GGGG ACTT AT CAT CCAACCTGTTATT CAGT
```



```
120       130       140       150       160       170       180       190       200       210       220       230       240
GGCGAGCTTAACCGAATAGGGGAGGCGTAGCGAAAGCGAGTCTTAATAGGGCGTTTCATCGCTGGGTCTAGACCCCACACCGCACGATCTATCCATGGGCAGGTTGAAGGTTAGGTAACACTGA
```



```
          250       260       270       280       290       300       310       320       330       340       350       360
CTGGAGGACCGAACCGACTACCGTTGAAAAGTTAGCGGATGACCTGTGGATCGGAGTGAAAGGCTAATCAAGCTCGGAGATAGCTGGTTCTCCTCGAAAGCTATTTAGGTAGCGCCTCATGTATCA
```



```
370       380       390       400       410       420       430       440       450       460       470       480       490
CTGTAGGGGGTAGAGCACTGTTTCGGCTAGGGGGTCATCCCGACTTACCAAACCGATGCAAACTCCGAATACCTACAAGTGCCGAGCATGGGAGACACACGGCGGGTGCTAACGTCCGTCGTGAAA
```



```
          500       510       520       530       540       550       560       570       580       590       600       610       620
AGGGAAAAAACCCAGACCGTCAGCTAAGGTCCCAAAGTCATGGTTAAGTGGGAAACGATGTGGGAAGGCTTAGACAGCTAGGAGGTTGGCTTTTTAGCCGTCGCCCTTTCTTTAAAGCGTCATCG
```

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630        640        650        660        670        680        690        700        710        720        730        740
CT CG GTACTC CAAT C GGC CTG CTC GA TAGAT GTT GC GGA GG TCACC CT GTTCTT CCAG CGT GC GGGT TGTT CCT CTG ATT GT C GTTAC CCGA GTC AT CTGTC CACACTTGC GA GG ACT C CT G

750        760        770        780        790        800        810        820        830        840        850        860
AAA GC TT CT CT GGTC GC GTTT ACA GGG CTT ACGG AAA GGG TT GA CTT AC GG CACC GCC AA GGC ATG AAT AC CC TTGCCTTTC GG GGC AA GG TTTG AG CC CC GTTACATT CTTC C GC CGGGG A GAG

870        880        890        900        910        920        930        940        950        960        970        980        990
CC GA CC CCGGG GGGCTATT GG CAC T TTTTTT AA G GGT GGGT GTGGT TCAA C CC CCCC CT CT C C GTTTT T T CC TCTCC C C CC TGT TTTCCCC C CTTT AAAA GT AA ATTTT GGC CTATT TT TTG

1000       1010       1020       1030       1040       1050       1060       1070       1080       1090       1100       1110
AG GGTT A GGG GT TTTT C CCCTCT TTT CCACAAC AAAAAA ATTCC C CCCC CC CTGGTT CT C C CGCCCCC CC GCGCCT T GT GT TT C ACA C AAAA A AAA GC G G GTT TTTTT G GC GGG GT GGGCC

1120       1130       1140       1150       1160       1170       1180       1190       1200
CC CC CC CC CCCC C CCCC T TCTTC CC CC CC C CCCC C CCCC C CCC CC C CC CCCCT CTTTT T T T G AG AAAG C CT CT CTAT G AT TT G GTTT T GCT T CC C CCC
```