macrogen

```
        10        20        30        40        50        60        70        80        90       100       110       120
AAACCTGTCAATAATTGCGGAACCTAGAGGTCCCCTTTTCTTATTTTAAAATTTTTTCACAAAACGGTTTACAAGCATAAAATCTCTGATAGACCGGGGACTTATCATCCAACCTGTTACAGGCAGC
```



```
  130       140       150       160       170       180       190       200       210       220       230       240       250
CTGTTCGTACTGAATAACCGGATTCAGGCGGGTGCTGCGAAGTGAAAGGCCACGCCTGACAAAATGCACGGCTTCAAGCACGCTGGTCTTGCCGCTGCCGTTGGCGCCGTAAAGGATGTTGATGC
```



```
       260       270       280       290       300       310       320       330       340       350       360       370
GGGGGGGAGGGCAAGAGTCCGTGGTGTCCAGGGTGGTTTACCGAGGACGAGTCTAGTTCCTGTACCAAGGCTATTCTAACGGGAGACGTCGCTGCCTTGGTGGACCTGTTAATGGGCACGTCCAGC
```



```
  380       390       400       410       420       430       440       450       460       470       480       490       510
TCAATTTAATGCGAAAAGTTCCGTGCGTCGTACAACAACCACTACAGCCAATAGCCTACAAGCAGCCTGGACAGGAATCCGATAGGGTCGAGACAGTAAAGCAGTCATTGCCCGGCAAAAACGAAAAATCCA
```

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         520       530       540       550       560       570       580       590       600       610       620       630       640       650
GGATGATTCTTTATCCGGCATCTTCATGCGGGGCGTTGTCATCCCGGTCATAAAAGACAAGACAAAAAGGACTGTGTGATCTTGGCGGGGTTTTTACTGCAAAAAAAAAAACACACGAAGAGAATACGGCTTCCAGCGGA
```

660   670   680   690   700   710   720   730   740   750   760   770   780   790   800
CGGTCAAAG G AACCATAT GGTA AT GAGCTAAAAGAA G A GGCGCTGGGA ATC AA AAAAAAA AGTACTCC C T GT GAG AAGAAG A ATT ACTG GGAGTG AATTG AGATTAAA GGGGACAACATAAA TC AAGA CAT CCGTTAGAAGCATTTA

810   820   830   840   850   860   870   880   890   900   910   920   930   940   950
GCCGGT TCCGCAATTC GAGAGTCTT A GGAGGAAAA ACAAAATAGGAAACGTA ACAGAGAAAAGGA GCCTA GAACAAGACTACGGG AAAACA AC ATGAACAA GC GAAT GTCGGGAAGTCTGTAAAAAAGG TAAAAGAAGGAAACC TTCCGGTGC GA

960   970   980   990   1000   1010   1020   1030   1040   1050   1060   1070   1080   1090   1100   1110   1120
TGG ACACT GTTCTAATATAGCA AAAAGACTATCGG AAAAAAAA AAGGC GGACGGGTA GGC CCGGAAAATTGGAGCGCGCGAACATA T GG C T C AGATTAGGGATAACGTCGCG CGGTCCGATGAGCGAC GACT TGT C AGA GAAAAA ATCGTGT AAGATCGGCAA

1130   1140   1150   1160   1170   1180   1190   1200   1210   1220   1230
GT T T ACAAAAA AA AAA CCCGTGG AAAA TCTC AAA AAA ATATG ACAGGCGGTGTATAT CT C CTGCGTAAGCGCAAAAAAAAAAAGAGTGAGTGATAG AAGAATGTTGTGTGTA