macrogen

```
        10        20        30        40        50        60        70        80        90        100       110       120
G   AGCGTG  T AC G AC AA C A CA G AT AAA AC GAAA G GCCCA GT CT TT C GACT G AGC CT TT C GT TTT AT TT GAT GC CTT TAAT TAAA GC GG AT AAC AAT TT CACA CAG G AG GC CGC CTAG GCC GCG
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        130       140       150       160       170       180       190       200       210       220       230       240
GCCGCG CG AATT CGAGC T CGG TA CCC GGG T CTC CACC ATT GCC GGA G ATAC GAT C GT TT C AAAAT ATT GT ATA CAAA AAT ATC GCT CGT T GT GTT C GCT GCAAGG AGATAC GAT C GT TT C AAAAT A
```

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        250       260       270       280       290       300       310       320       330       340       350       360       370
T T GT ATA CAAA AAT AT C GCT C GT T GT GTT C GCT ACT AGG AG AT AC GAT C GT TT C AAAAT AT T GT ATA CAAA AAT AT C GCT C GT T GT GTT C GCT TT ACGG AGAT AC GAT C GT TT C AAAAT AT T GT A
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        380       390       400       410       420       430       440       450       460       470       480       490
T ACAAAA ATAT CG CT CGT T GT GTT C GCT C AGAAA T GT GAGAC C GGGG ATCCT CTA GAGTC GACC TGC AGGC AT GCAAGCTT GCGGCC GCGTC GT GACT GGGAAAA CC CT GGC GACTAGTCT TGG
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        500       510       520       530       540       550       560       570       580       590       600       610       620
ACT CCTGTT GAT AGAT CCAGT AAT GACC TCAGAACT CCATCT GG ATTT GTT CAGAA CGCTC GGTT GCC GC CGGGC GT TTTT TATT GGT GAGAAT CCAGGGG T CCC CAAT AAT TAC GATTT AAAT
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630   640   650   660   670   680   690   700   710   720   730   740
TTGACATAAGCCTGTTCGGTTCGTAAACTGTAATGCAAGTAGCGTATGCGCTCACGCAACTGGTCCAGAACCTTGACCGAACGCAGCGGTGGTAACGGCGCAGTGGCGGTTTTCATGGCTTGT

750   760   770   780   790   800   810   820   830   840   850   860
TATGACTGTTTTTTTGTACAGCCTATGCCTCGGGCATCCAAGCAGCAAGCGCGTTACGCCGTGGGTCGATGTTTGATGTTATGGAGCAGCAACGATGTTACGCAGCAGCAACGATGTTACGCAG

870   880   890   900   910   920   930   940   950   960   970   980   990
CAGGGCAGTCGCCCTAAAACAAAGTTAGGTGGCTCAAGTATGGGCATCATTCGCACATGTAGGCTCGGCCCTGACCAAGTCAAATCCATGCGGGCTGCTCTTGATCTTTTCGGTCGTGAGTTCGGA

1000   1010   1020   1030   1040   1050   1060   1070   1080   1090   1100   1110   1120
GACGTAGCCACCTACTCCCAACATCAGCCGGACTCCGATTACCTCGGGAACTTGCTCCGTAGTAAGACATTCATCGCGCTTGCTGCCTTCGACCAAGAAGCGGTTGTTGGCGCTCTCGCGGCTTACGTTC

1130   1140   1150   1160   1170   1180   1190   1200   1210   1220   1230   1240   1250
TGCCCAAGTTTGAGCAGCCGCGTAGTGAGATCTAAATCTATGATCTCGCAGTCTCGGAAAGCACCGGAGGAGGGGATTGCCACCGCTCATCATCTCCTCAGGATGAGGCAACCGCTTGGTGGTTAGG