macrogen

```
        10          20          30          40          50          60          70          80          90          100         110
T A C C GGGA  CA T G C  A A GG GGTGCAG T A AGT GGGT  CT T A C A T AAC  T A TT TAT AT T C  TA AGG  A  GGG T TAAA C G  CT AGG C A TC T  GAGGC TGTG AGAG G CG AA G  A TG TTGT TTTT  G
```

```
        120         130         140         150         160         170         180         190         200         210         220         230
CAT T A T A G G  AGAG T T TTAGTT  G GC  GT  A AGGGGA GGGGG G ATA G  GG   AA C T   G AG  AT GAC GC GG T TG A T GTA GC GG T TGA TC TC GT CCA GC GT C GGG T TGC GG T CG CC CA GGT CA CGG A CGT G
```

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        240         250         260         270         280         290         300         310         320         330         340
CAT GCG CAG T T CGT GG T C CA GC GA GC T T T C GC CG A AGT TGA GG A AGT A C AC G A TC G GT  T CC GGA T C CT T GAG C AC GC GT GGG GT T C T CAT GC GC GC CC T T GAG C AGC A GG T CG C G CA CCA
```
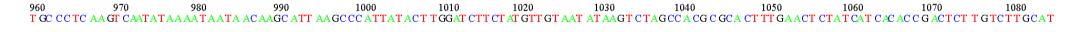
```
350         360         370         380         390         400         410         420         430         440         450         460
GGT CGA GG T CT GA GC CA TAG T C GA T GC CCA GC T T CAGC  GT CA C CC GGG T GA CC GT GT C G GT CAGC GA C CA GT  T GA T CA GT TGGC  CA GT G A TGAAG G T CT T GTT G A GGA CCA T GA T GT
```

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470         480         490         500         510         520         530         540         550         560         570         580
TCT TGC GGT C GA AG T C GG TG A T G   T G TT GGC G TGG A TGC T  GAT C T T GC  T T AC CG TGC  A C A AAA G G T T GC CG AT G  GT GA TGG T GT T  G CT TGAT C CG A TTCC G GG  CG C T CG CAAC A TGGA T C
```

590   600   610   620   630   640   650   660   670   680   690   700
GT GAT GGCCG GGCAA TA TA GT T GGCC ATAGC TTT T TCTT GT TTG CCATA A CAT GAT CCTA AGC AG AAAC TGT ATGC CT GCA G C CATTTG GA TATAGG GTTCAA TTTT GGA AG CAAC G GTT CT GCG

710   720   730   740   750   760   770   780   790   800   810   820   830
G GAA GG TG TATC ATG CT AAATGCC AGT GAAT CG CTGT TGG TT GA CCGCTG CA TT GG GGA CG TCGG CTCTAAA AACCAT T CCT CACG GCAT GCATAAT AA CTTC AAA CTGTTGT T CTTATT ATT CC

840   850   860   870   880   890   900   910   920   930   940   950
C C TACT AACAAT G A CC ATTTT TTG TCCC AC GTAT CGG GTGATG GA GCCGT GTTT GTT T TCTACA AAGAGGG ACC CTAGTCC GA GGTTT GGTGAAAT GAC ATCTAGC CA CGT C CTC CGG AAAACTT A

960   970   980   990   1000   1010   1020   1030   1040   1050   1060   1070   1080
T GC CCTC AAGT CAATATAAAAT AATA ACAAGC ATT AAGCCC ATTATACT TGGAT CTTCT AT GTT GT AAT AT AAGT CTAGCCACG CGCA CT TT GAACT CTATCAT CAC ACCG ACTCT T GTCTT GCAT

1090   1100   1110   1120   1130   1140   1150   1160   1170   1180   1190   1200
GAACCC CCAT CT CGT CGA GAGA TTTTT CAAA GG TTT GCC AT TC AGC GC TT CCCC TT TTTT GTTT CT GGT GTT CAC C GGCT TTTT ATAAAAC GTTTCCC TG TC TCACCA GAAACTT G AAAA C A