```
                                 (((((((.(((.....)))).)).(((....(((.......))))))).((((....)))))(
chr-10.trna10-Leu-TAG    ACUUUUGUAGUUUAGUUGGUUAGAG----CACCGCU-UUAGUAAGCGGA------GGUUU 49
chr-5.trna173-Leu-TAG    GGGUGUUUGGUCUAGU--GGUAUGA----UUCUCGCUUUAGGUGCAAGA------GGUCA 48
chr-12.trna25-Leu-TAG    GAUGGUUUGGCCGAG-UGGUCUAAGG---CGCCAGAUUUAGGCUCUGGUCCGAAAGGGAU 56
chr-12.trna39-Leu-TAG    GAUGGUUUGGCCGAG-UGGUCUAAGG---CGCCAGAUUUAGGCUCUGGUCCGAAAGGGAU 56
chr-12.trna51-Leu-TAG    GAUGGUUUGGCCGAG-UGGUCUAAGG---CGCCAGAUUUAGGCUCUGGUCCGAAAGGGAU 56
chr-12.trna62-Leu-TAG    GACGGUUUGGCUGAG-UGGUCUAAGG---CUCCAGAUUUAGGCUUUGGUCCGAAAGGGCG 56
chr-12.trna22-Leu-TAG    GACGGUUUGGCCGAG-UGGUCUAAGG---CGCCAGAUUUAGGCUCUGGUUCGAAAGGGCG 56
chr-2.trna24-Leu-TAG     GACAGUUUGGCCGAG-UGGUCUAAGG---CGCCAGAUUUAGGCUCUGGUCCGAAAGGGCG 56
chr-16.trna97-Leu-TAG    GAUGGUUUGGCCGAG-UGGUCUAAGG---CGCCAGAUUUAGGCUCUGGUCCGAAAGGGCG 56
chr-9.trna17-Leu-TAG     GACAGUUUGGCCGAG-UGGUCUAAGG---CGCCAGAUUUAGGCUCUGGUCCGAAAGGGCG 56
chr-9.trna122-Leu-TAG    GACAGUUUGGCCGAG-UGGUCUAAGG---CGCCAGAUUUAGGCUCUGGUCCGAAAGGGCG 56
chr-1.trna265-Leu-TAG    GACAGUUUGGCCGAG-UGGUCUAAGG---CGCCAGAUUUAGGCUCUGGUCCGAAAGGGCG 56
chr-5.trna221-Leu-TAG    GACGGUUUGGCCGAG-UGGUCUAAGG---CGCCAGAUUUAGGCUCUGGUCCGAAAGGGCG 56
chr-12.trna190-Leu-TAG   GACGGUUUGGCCGAG-UGGUCUAAGG---CGCCAGAUUUAGGCUCUGGUCCGAAAGGGCG 56
chr-12.trna189-Leu-TAG   GACGGUUUGGCCGAG-UGGUCUAAGG---CGCCAGAUUUAGGCUCUGGUCCGAAAGGGCG 56
chr-15.trna3-Leu-TAG     GACGGUUUGGCCGAG-UGGUCUAAGG---CGCCAGAUUUAGGCUCUGGUCCGAAAGGGCG 56
chr-12.trna29-Leu-TAG    GACGGUUUGGCCGAG-UGGUCUAAGG---CGCCAGAUUUAGGCUCUGGUCCGAAAGGGCG 56
chr-12.trna32-Leu-TAG    GACGGUUUGGCCGAG-UGGUCUAAGG---CGCCAGAUUUAGGCUCUGGUCCGAAAGGGCG 56
chr-12.trna57-Leu-TAG    GACGGUUUGGCCGAG-UGGUCUAAGG---CGCCAGAUUUAGGCUCUGGUCCGAAAGGGCG 56
chr-12.trna34-Leu-TAG    GACGGUUUGGCCGAG-UGGUCUAAGG---CGCCAGAUUUAGGCUCUGGUCCGAAAGGGCG 56
chr-12.trna36-Leu-TAG    GACGGUUUGGCCGAG-UGGUCUAAGG---CGCCAGAUUUAGGCUCUGGUCCGAAAGGGCG 56
chr-12.trna54-Leu-TAG    GACGGUUUGGCCGAG-UGGUCUAAGG---CGCCAGAUUUAGGCUCUGGUCCGAAAGGGCG 56
chr-12.trna38-Leu-TAG    GACGGUUUGGCCGAG-UGGUCUAAGG---CGCCAGAUUUAGGCUCUGGUCCGAAAGGGCG 56
chr-12.trna40-Leu-TAG    GACGGUUUGGCCGAG-UGGUCUAAGG---CGCCAGAUUUAGGCUCUGGUCCGAAAGGGCG 56
chr-12.trna43-Leu-TAG    GACGGUUUGGCCGAG-UGGUCUAAGG---CGCCAGAUUUAGGCUCUGGUCCGAAAGGGCG 56
chr-12.trna50-Leu-TAG    GACGGUUUGGCCGAG-UGGUCUAAGG---CGCCAGAUUUAGGCUCUGGUCCGAAAGGGCG 56
chr-12.trna23-Leu-TAG    GAUGGUUUGGCCGAG-UGGUCUAAGG---CGCCAGAUUUAGGCUCUGGUCCGAAAGGGCG 56
chr-12.trna41-Leu-TAG    GAUGGUUUGGCCGAG-UGGUCUAAGG---CGCCAGAUUUAGGCUCUGGUCCGAAAGGGCG 56
chr-12.trna47-Leu-TAG    GAUGGUUUGGCCGAG-UGGUCUAAGG---CGCCAGAUUUAGGCUCUGGUCCGAAAGGGCG 56
chr-12.trna24-Leu-TAG    GACGGUUUGGCCGAG-UGGUCUAAGG---CGCCAGAUUUAGGCUCUGGUCCGAAAGGGCG 56
chr-12.trna26-Leu-TAG    GACGGUUUGGCCGAG-UGGUCUAAGG---CGCCAGAUUUAGGCUCUGGUCCGAAAGGGCG 56
chr-12.trna21-Leu-TAG    GACGGUUUGACCGAG-UGGUCUAAGG---CGCCAAAUUUAGGCUCUGGUCCGAGAGGGCG 56
chr-12.trna52-Leu-TAG    GACGGUUUGGCCGAG-UGGUCUAAGG---CGCCAGAUUUAGGCUCUGGUCCGAAAGGGCG 56
chr-12.trna49-Leu-TAG    GACGGUUUGGCCGAG-UGGUCUAAGG---UGCCAGAUUUAGGCUCUGGUCCAAAAGGGCG 56
chr-12.trna44-Leu-TAG    GAUGGUUUGGCCGAG-UGGUCUAAGG---CGCCAGAUUUAGGCUCUGGUCCGAAAGGGCU 56
chr-12.trna27-Leu-TAG    GAUGGUUUGGCCGAG-UGGUCUAAGG---CGCCAGAUUUAGGCUCUGGUCCGAAAGGGCU 56
chr-12.trna58-Leu-TAG    GAUGGUUUGGCCGAG-UGGUCUAAGG---CGCCAGAUUUAGGCUCUGGUCCGAAAGGGCU 56
chr-12.trna30-Leu-TAG    GAUGGUUUGGCCGAG-UGGUCUAAGG---CGCCAGAUUUAGGCUCUGGUCCGAAAGGGCU 56
chr-12.trna33-Leu-TAG    GAUGGUUUGGCCGAG-UGGUCUAAGG---CGCCAGAUUUAGGCUCUGGUCCGAAAGGGCU 56
chr-12.trna55-Leu-TAG    GAUGGUUUGGCCGAG-UGGUCUAAGG---CGCCAGAUUUAGGCUCUGGUCCGAAAGGGCU 56
chr-12.trna37-Leu-TAG    GAUGGUUUGGCCGAG-UGGUCUAAGG---CGCCAGAUUUAGGCUCUGGUCCGAAAGGGCU 56
chr-12.trna53-Leu-TAG    GAUGGUUUGGCCGAG-UGGUCUAAGG---CGCCAGAUUUAGGCUCUGGUCCGAAAGGGCU 56
chr-12.trna35-Leu-TAG    GAUGGUUUGGCCGAG-UGGUCUAAGG---CGCCAGAUUUAGGCUCUGGUCCGAAAGGGCU 56
chr-12.trna61-Leu-TAG    GACGGUUUGGCCGAG-UGGUCUAAGG---CGCUAGAUUUAGGAUCUGGUCCGAAAGGGCG 56
chr-16.trna98-Leu-TAG    GACGGUUUGGUCGAG-UGGUCUAAGG---CGCUAGAUUUAGGAUCUGGUCCGAAAGGGCG 56
chr-12.trna31-Leu-TAG    GACGGUUUGGCCGAG-UGGUCUAAGG---CGCUAGAUUUAGGAUCUGGUCCGAAAGGGCG 56
chr-12.trna56-Leu-TAG    GACGGUUUGGCCGAG-UGGUCUAAGG---CGCUAGAUUUAGGAUCUGGUCCGAAAGGGCG 56
chr-12.trna59-Leu-TAG    GACGGUUUGGCCGAG-UGGUCUAAGG---CGCUAGAUUUAGGAUCUGGUCCGAAAGGGCG 56
chr-12.trna60-Leu-TAG    GACGGUUUGGCCGAG-UGGUCUAAGG---CGCUAGAUUUAGGAUCUGGUCCGAAAGGGCG 56
chr-12.trna28-Leu-TAG    GACGGUUUGGCCGAG-UGGUCUAAGG---UGCUAGAUUUAGGAUCUGGUCCGAAAGGGCG 56
chr-12.trna46-Leu-TAG    GACGGUUUGGCCG-U-UGGUCUAAGG---CGCCAGAUUUAGGCUCUGGUCCGAAAGGGCG 55
chr-12.trna42-Leu-TAG    GACGGUUUGGCCGAG-UGGUCUAAGG---CGCCAGAUUUAGGCUCUGGUCCGAAAGGGCG 56
chr-12.trna48-Leu-TAG    AACGGUUUGGCCGAG-UGGUCUAAGG---CGCCAAAUUUAGGCUCUGGUCUGAGAGGGCG 56
chr-9.trna18-Leu-TAG     GAUGGUUUGGCCAAG-UGGUCUAAGGCGCCGCCAGAUUUAGGCUCUGGUCCGAAAGGGCG 59
chr-9.trna268-Leu-TAG    GAUGGUUUGGUCGAG-UGGUCUAAGG---UGCCAGAUUUAGGCUCUGGUCUGAAAGGGCG 56
chr-12.trna78-Leu-TAG    GUUAAGAUGGCCGAGUUGGUUUAAGG---UGCCAAUUUAGGUACUGGUUUGAAAGGGCA 57
chr-11.trna101-Leu-TAG   GUCAAGAUGGCCGAGUUGGUCUAAGG---CACCAGUUUUAGGUACUGGUUUGAAAGGGCA 57
chr-16.trna91-Leu-TAG    GCCGCUAUGGUGAAAUUGGUAG-ACA---CGCUGCUCUUAGGAAGCAGUGCGAGAGCAUC 56
chr-15.trna29-Leu-TAG    GUCAAGAUGGCUGAGUUGGUCUAAGG---UCCUAGUUUUAGGUACUAGUCUAAAAGGGCA 57
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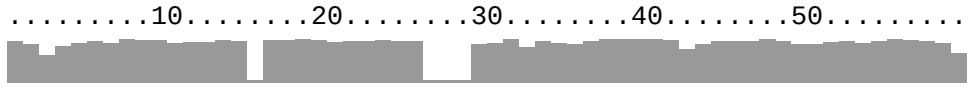

```
                                 ((((.......))))))))))).).
chr-10.trna10-Leu-TAG    UGAGUUCAACUCUCAACAACGAG-CA 73
chr-5.trna173-Leu-TAG    UGAGUUCAAUUCUCGCAACACACCU 73
chr-12.trna25-Leu-TAG    UGGGUUCAAAUCCCACAGCCGU-CA 80
chr-12.trna39-Leu-TAG    UGGGUUCAAAUCCCACAGCCGU-CA 80
chr-12.trna51-Leu-TAG    UGGGUUCAAAUCCCACAGCCGU-CA 80
chr-12.trna62-Leu-TAG    UGGGUUCAAAUCCCACAGCCGU-CA 80
chr-12.trna22-Leu-TAG    UGGGUUCAAAUCCCACAGCCGU-CA 80
chr-2.trna24-Leu-TAG     UGGGUUCAAAUCCCACAGCUGU-CA 80
chr-16.trna97-Leu-TAG    UGGGUUCAAAUCCCACAACCGU-CA 80
chr-9.trna17-Leu-TAG     UGGGUUCAAAUCCCACAGCUGU-CA 80
chr-9.trna122-Leu-TAG    UGGGUUCAAAUCCCACAGCUGU-CA 80
chr-1.trna265-Leu-TAG    UGGGUUCAAAUCCCACAGCUGU-CA 80
chr-5.trna221-Leu-TAG    UGGGUUCAAAUCCCACAGCCGU-CA 80
chr-12.trna190-Leu-TAG   UGGGUUCAAAUCCCACAGCCGU-CA 80
chr-12.trna189-Leu-TAG   UGGGUUCAAAUCCCACAGCCGU-CA 80
chr-15.trna3-Leu-TAG     UGGGUUCAAAUCCCACAGCCGU-CA 80
chr-12.trna29-Leu-TAG    UGGGUUCAAAUCCCACAGCCGU-CA 80
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chr-12.trna31-Leu-TAG    UGGGUUCAAAUCCCACAACCGU-CA 80
chr-12.trna56-Leu-TAG    UGGGUUCAAAUCCCACAACCGU-CA 80
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chr-12.trna46-Leu-TAG    UGGGUUCAAAUCCCACAGCCGU-CA 79
chr-12.trna42-Leu-TAG    UGGGUUCAAAUCCCACAGCCNU-UA 80
chr-12.trna48-Leu-TAG    UGGGUUCAAAUCCCAUAGCCGU-CA 80
chr-9.trna18-Leu-TAG     UGGGUUCAAAUCCCACAGCCGU-CA 83
chr-9.trna268-Leu-TAG    UGGGUUCAACUCACACAGCCGU-CA 80
chr-12.trna78-Leu-TAG    UGGGUUCAAAUCCCAUUCUUGA-CA 81
chr-11.trna101-Leu-TAG   UGGGUUCAAAUCCCAUUCUUGA-CA 81
chr-16.trna91-Leu-TAG    UCGGUUCGAGUCCGAGUCGCGG-CA 80
chr-15.trna29-Leu-TAG    UGAGUUCAAAUCCCAUUGUUGA-CA 81
                                 .........70........80....
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