```
                                 (((((((.....(((.((.....)).)))((((((.....))))))).....
chr-2.trna34-Leu-TAA     GCUGGUU---UGCCCGAG-AGGU-UAAGGGGGAAGACUUAAGAUCUUCUGCACA-UAAGU 54
chr-4.trna66-Leu-TAA     GCUGGUU---UGCCCGAG-AGGU-UAAGGGGGAAGACUUAAGAUCUUCUGCACA-UAAGU 54
chr-6.trna6-Leu-TAA      GCUGGUU---UGCCCGAG-AGGU-UAAGGGGGAAGACUUAAGAUCUUCUGCACA-UGAGU 54
chr-9.trna1-Leu-TAA      GCUGGUU---UGCCCGAG-UGGU-UAAGGGGGAAGACUUAAGAUCUUCUGCACA-CAAGU 54
chr-2.trna13-Leu-TAA     GCUGGUU---UGCCCGAG-UUGU-UAAGGGGGAAGACUUAAGAUCUUCUGCAUUCUAAAU 55
chr-3.trna21-Leu-CAA     GUCAGGA---UGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCUCG-UGAGA 55
chr-8.trna23-Leu-CAA     GUCAGGA---UGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCUCG-UGAGA 55
chr-10.trna37-Leu-CAA    GUCAGGA---UGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCUCG-UGAGA 55
chr-7.trna26-Leu-CAA     GUCAGGA---UGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUUCG-UGAGA 55
chr-7.trna33-Leu-CAA     GUCAGGA---UGGCCGAG-UGGUCAAAGGCGCCAGACUCAAGUUCUGGUCCUCG-UGAGA 55
chr-7.trna72-Leu-CAA     GUCAGGA---UGGCCGAG-UGGUCUAAGGCGACAGACUCAAGUUCUGGUCCUCG-UGAGA 55
chr-4.trna51-Leu-CAA     GUCAGGA---UGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUUCG-AGAGA 55
chr-10.trna36-Leu-CAA    GUCAGGA---UGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUUCG-AGAGA 55
chr-7.trna25-Leu-CAA     GUCAGGA---UGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUUCG-AAAGA 55
chr-1.trna50-Leu-TAG     GACAGUU---UGGCCGAG-UGGUCUAAGGCGCCAGAUUUAGGCUCUGGUCC-----GAAA 51
chr-9.trna2-Leu-TAG      GACAGUU---UGGCCGAG-UGGUCUAAGGCGCCAGAUUUAGGCUCUGGUCC-----GAAA 51
chr-4.trna62-Leu-TAG     GACAGUU---UGGCCGAG-UGGUCUAAGGCGCCAGAUUUAGGCUCUGGUCC-----GAAA 51
chr-10.trna23-Leu-TAG    GACAGUU---UGGCCGAG-UGGUCUAAGGCGCCAGAUUUAGGCUCUGGUCC-----GAAA 51
chr-10.trna5-Leu-TAG     GACAGUU---UGGCCGAG-UGGUCUAAGGCGCCAGAUUUAGGCUCUGGUCC-----GAAA 51
chr-5.trna4-Leu-TAG      GACAGUU---UGGCCGAG-UGGUCUAAGGCGCCAGAUUUAGGCUCUGGUCC-----GGAA 51
chr-4.trna47-Leu-TAG     GACAGUU---UGGCCGAG-UGGUCUAAGGCGCCAGAUUUAGGCUCUGGUCC-----GAAA 51
chr-1.trna43-Leu-AAG     GUUGAGA---UGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCC-----GAAA 52
chr-1.trna70-Leu-AAG     GUUGAGA---UGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCC-----GAAA 52
chr-2.trna25-Leu-AAG     GUUGAGA---UGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCC-----GAAA 52
chr-10.trna49-Leu-AAG    GUUGAGA---UGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCC-----GAAA 52
chr-4.trna54-Leu-AAG     GUUGAGA---UGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCC-----GAAA 52
chr-8.trna9-Leu-AAG      GUUGAGA---UGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCC-----GAAA 52
chr-8.trna1-Leu-AAG      GUUGAGA---UGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCC-----GAAA 52
chr-7.trna74-Leu-AAG     GUUGAGA---UGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCC-----GAAA 52
chr-9.trna14-Leu-AAG     GUUGAGA---UGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCC-----GAAA 52
chr-4.trna58-Leu-AAG     GUUGAGA---UGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCC-----GAAA 52
chr-4.trna71-Leu-AAG     GUUGAGA---UGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCC-----GAAA 52
chr-5.trna39-Leu-AAG     GUUGAGA---UGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCC-----GAAA 52
chr-8.trna53-Leu-AAG     GUUGAGA---UGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCC-----GAAA 52
chr-1.trna28-Leu-CAG     GUCAAGA---UGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCC-----GAAA 52
chr-8.trna41-Leu-CAG     GUCAAGA---UGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCC-----GAAA 52
chr-6.trna8-Leu-CAG      GUCAAGA---UGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCC-----GAAA 52
chr-8.trna22-Leu-CAG     GUCAAGA---UGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCC-----GAAA 52
chr-2.trna45-Leu-CAG     GUCAAGA---UGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCC-----GAAA 52
chr-3.trna29-Leu-CAG     GUCAAGA---UGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCC-----GAAA 52
chr-3.trna40-Leu-CAG     GUCAAGA---UGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCC-----GAAA 52
chr-9.trna17-Leu-CAG     GUCAAGA---UGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCC-----GAAA 52
chr-5.trna62-Leu-CAG     GUCAAGA---UCGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCC-----GAAA 52
chr-5.trna67-Leu-AAG     GUUGAGA---UGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCU------AAA 51
chr-4.trna27-Leu-AAG     GUUGAGA---UCGCCGAGUUGAUC-AAGGCGUCAGGUUAAGGUUCUGGACU-----GGAA 51
chr-2.trna11-Leu-TAG     GACUACAGUUUUGCCGAG-UGGUCGAAGGCGCCAGAUUUAGGCUCUGGGCC-----GCAA 54
chr-1.trna25-Leu-CAA     GCUUUGA---CGGUGAAAUGG--UUGACACGCAAGACUCAAACUCUCGUGCU---AAAGA 52
chr-6.trna37-Leu-CAA     GCCUUGA---UGGUGAAAUAG--UAGAUUUGUGAGACUCAAACUCUCACGCU---GAAGA 52
chr-4.trna33-Leu-AAG     GCAUCCA---UGGCUGAAUGGAGAAAGCGAUCCGCCUAAGAAAGG-GGAAU--------- 47
chr-9.trna23-Leu-TAA     GCUGGUU---UGCCCGAGUUG-UCU-AGGGGGCAGACUUAAGACCUUUUGCAGUUUAACU 55
                         .........10........20........30........40........50.........
                         
                         ))..(((((.......))))))).)))))).
chr-2.trna34-Leu-TAA     GCGCAUGGGUUCGAACCCCAUAG-CCAGCA 83
chr-4.trna66-Leu-TAA     GCGCAUGGGUUCGAACCCCAUAG-CCAGCA 83
chr-6.trna6-Leu-TAA      GCGCAUGGGUUCGAACCCCAUAG-CCAGCA 83
chr-9.trna1-Leu-TAA      GCGCAUGGGUUCGAACCCCAUAG-CCAGCA 83
chr-2.trna13-Leu-TAA     GCGCAUGGGUUCGAACCCCAUAG-CCAGCA 84
chr-3.trna21-Leu-CAA     GGGCGUGGGUUCAAAUCCCACUU-CUGACA 84
chr-8.trna23-Leu-CAA     GGGCGUGGGUUCAAAUCCCACUU-CUGACA 84
chr-10.trna37-Leu-CAA    GGGCGUGGGUUCAAAUCCCACUU-CUGACA 84
chr-7.trna26-Leu-CAA     GGGCGUGGGUUCAAAUCCCACUU-CUGACA 84
chr-7.trna33-Leu-CAA     GGGCGUGGGUUCAAAUCCCACUU-CUGACA 84
chr-7.trna72-Leu-CAA     GGGCGUGGGUUCAAAUCCCACUU-CUGACA 84
chr-4.trna51-Leu-CAA     GGGCGUGGGUUCAAAUCCCACUU-CUGACA 84
chr-10.trna36-Leu-CAA    GGGCGUGGGUUCAAAUCCCACUU-CUGACA 84
chr-7.trna25-Leu-CAA     GGGCGUGGGUUCAAAUCCCACUU-CUGACA 84
chr-1.trna50-Leu-TAG     GGGCGUGGGUUCAAAUCCCACAG-CUGUCA 80
chr-9.trna2-Leu-TAG      GGGCGUGGGUUCAAAUCCCACAG-CUGUCA 80
chr-4.trna62-Leu-TAG     GGGCGUGGGUUCAAAUCCCACAG-CUGUCA 80
chr-10.trna23-Leu-TAG    GGGCGUGGGUUCAAAUCCCACAG-CUGUCA 80
chr-10.trna5-Leu-TAG     GGGCGUGGGUUCAAAUCCCACAG-CUGUCA 80
chr-5.trna4-Leu-TAG      GGGCGUGGGUUCAAAUCCCACAG-CUGUCA 80
chr-4.trna47-Leu-TAG     GGGCGUGGGUUCAAAUCCCACCG-CUGUCA 80
chr-1.trna43-Leu-AAG     GGGCGUGGGUUCAAAUCCCACUC-UCAACA 81
chr-1.trna70-Leu-AAG     GGGCGUGGGUUCAAAUCCCACUC-UCAACA 81
chr-2.trna25-Leu-AAG     GGGCGUGGGUUCAAAUCCCACUC-UCAACA 81
chr-10.trna49-Leu-AAG    GGGCGUGGGUUCAAAUCCCACUC-UCAACA 81
chr-4.trna54-Leu-AAG     GGGCGUGGGUUCAAAUCCCACUC-UCAACA 81
chr-8.trna9-Leu-AAG      GGGCGUGGGUUCAAAUCCCACUC-UCAACA 81
chr-8.trna1-Leu-AAG      GGGCGUGGGUUCAAAUCCCACUC-UCAACA 81
chr-7.trna74-Leu-AAG     GGGCGUGGGUUCAAAUCCCACUC-UCAACA 81
chr-9.trna14-Leu-AAG     GGGCGUGGGUUCAAAUCCCACUC-UCAACA 81
chr-4.trna58-Leu-AAG     GGGCGUGGGUUCAAAUCCCACUC-UCAACA 81
chr-4.trna71-Leu-AAG     GGGCGUGGGUUCAAAUCCCACUC-UCAACA 81
chr-5.trna39-Leu-AAG     GGGCGUGGGUUCAAAUCCCACUC-UCAACA 81
chr-8.trna53-Leu-AAG     GGGCGUGGGUUCAAAUCCCACUC-UCAACA 81
chr-1.trna28-Leu-CAG     GGGCAUGGGUUCGAAUCCCAUUC-UUGACA 81
chr-8.trna41-Leu-CAG     GGGCAUGGGUUCGAAUCCCAUUC-UUGACA 81
chr-6.trna8-Leu-CAG      GGGCAUGGGUUCGAAUCCCAUUC-UUGACA 81
chr-8.trna22-Leu-CAG     GGGCAUGGGUUCGAAUCCCAUUC-UUGACA 81
chr-2.trna45-Leu-CAG     GGGCAUGGGUUCGAAUCCCAUUC-UUGACA 81
chr-3.trna29-Leu-CAG     GGGCAUGGGUUCGAAUCCCAUUC-UUGACA 81
chr-3.trna40-Leu-CAG     GGGCAUGGGUUCGAAUCCCAUUC-UUGACA 81
chr-9.trna17-Leu-CAG     GGGCAUGGGUUCGAAUCCCAUUC-UUGACA 81
chr-5.trna62-Leu-CAG     GGGCAUGGGUUCGAAUCCCAUUC-UUGACA 81
chr-5.trna67-Leu-AAG     GGGUGUGGGUUGAAAUCCCACUC-UCAACG 80
chr-4.trna27-Leu-AAG     GGGUCUUGUUUCAAAUCCCUCUC-UCAACA 80
chr-2.trna11-Leu-TAG     GGGUGUGGGCUCAAAUCCAACAU-CAGUCA 83
chr-1.trna25-Leu-CAA     GCAUAAAGGUUCGAGUCCUCUUC-AAGGCA 81
chr-6.trna37-Leu-CAA     G-GUGGAGGUUUGAGUCCUCCUC-AAGGCU 80
chr-4.trna33-Leu-AAG     --UUGCAGGUUCGAAUCCUGUUG-GAUGCU 74
chr-9.trna23-Leu-TAA     GCGCAUGGGUUCGAACCCCAUAGAUUAUCU 85
                         .........70........80.........
```