```
                                 (((((((..((((.........)))).(((((.......)))))).......(((((....
chr-2.trna58-Trp-CCA             GCGCUCUUAGUUCAGUUCGGUAGAACGUAGGUCUCCAAAACCCGAUGUC--GUAGGUUCA 58
chr-4.trna47-Trp-CCA             GCGCUCUUAGUUCAGUUCGGUAGAACGUGGGUCUCCAAAACCCGAUGUC--GUAGGUUCA 58
chr-10.trna121-Trp-CCA           GCGCUCUUAGUUCAGUUCGGUAGAACGUGGGUCUCCAAAACCCGAUGUC--GUAGGUUCA 58
chr-9.trna50-Trp-CCA             GCGCUCUUAGUUCAGUUCGGUAGAACGCGGGUCUCCAAAACCCGAUGUC--GUAGGUUCA 58
chr-13.trna65-Trp-CCA            GCGCUUUUAGUUCAGUUCGGUAGAACGCAGGUCUCCAAAACCUGGUGUC--GUAGGUUCA 58
chr-13.trna77-Trp-CCA            GCGCUCUUAGUUCAGUUCAGUAGAACGUGGGUCUCCAAAACCCAAUGUC--GUAGGUUCA 58
chr-10.trna98-Trp-CCA            GCGCUCUUAGUUCAGUUCGGUAGAACGUGGGUCUCCAAAACCCAAUGUC--GUAGGUUCA 58
chr-11.trna87-Trp-CCA            GCGCUCUUAGUUCAAUUCGGUAGAACGUGGGUCUCCAAAAUCCAAUGUU--GUAGGUUCA 58
chr-5.trna14-Trp-CCA             GCACUCUUAGUUCAAUUCGGUAGAACGUGGGUCUCCAAAACCCAAUGUC--AUAGGUUCA 58
chr-12.trna38-Trp-CCA            GUAUUUUUAGUUCAGUUCGGUAGAACAUGGGUCUCCAAAACCCAAUAUU--GUAGGUUCA 58
chr-13.trna70-Trp-CCA            GCACUCUUAGUUCUGUUUGGUAGAACGUGGGUCUCCAAAACCCAAUGUC--GUAAGUUCA 58
chr-10.trna2-Trp-CCA             GCUCUAUGAGUUCAGUUCGGUAGAAUGUGGGUCUCCAAAACCCAAUAUC--GUAGGUUUA 58
chr-3.trna56-Trp-CCA             UCGAUCUUAGUUCAAUCAGGUAGAACGUGGGUUUCCAAAAUCCAAUGUC--AUAGGUUCA 58
chr-2.trna3-Trp-CCA              GGAUCCGUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU--GCGUGUUCG 56
chr-6.trna28-Trp-CCA             GGAUCCGUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU--GCGUGUUCG 56
chr-11.trna52-Trp-CCA            GGAUCCGUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU--GCGUGUUCG 56
chr-11.trna55-Trp-CCA            GGAUCCGUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU--GCGUGUUCG 56
chr-6.trna35-Trp-CCA             GGAUCCGUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU--GCGUGUUCG 56
chr-8.trna57-Trp-CCA             GGAUCCGUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU--GCGUGUUCG 56
chr-8.trna58-Trp-CCA             GGAUCCGUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU--GCGUGUUCG 56
chr-12.trna72-Trp-CCA            GGAUCCGUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU--GCGUGUUCG 56
chr-8.trna59-Trp-CCA             GGAUCCGUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU--GCGUGUUCG 56
chr-9.trna64-Trp-CCA             GGAUCCGUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU--GCGUGUUCG 56
chr-11.trna44-Trp-CCA            GGAUCCGUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU--GCGUGUUCG 56
chr-13.trna111-Trp-CCA           GGAUCCGUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU--GCGUGUUCG 56
chr-9.trna55-Trp-CCA             GGAUCUGUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU--GCGUGUUCG 56
chr-11.trna2-Trp-CCA             GGAUUCGUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU--GCGUGUUCG 56
chr-10.trna16-Trp-CCA            GGAUCCGUGGCGCAAC--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU--GCGUGUUCG 56
chr-11.trna46-Trp-CCA            GGAUCCGUGGCGCAAU--GGUAGCGCUUCUGACUCCAGAUCAGAAGGUU--GUGUGUUAG 56
chr-11.trna47-Trp-CCA            GGAUCCGUGGCGCAAU--GGUAGCGCUUCUGACUCCAGAUCAGAAGGUU--GUGUGUUAG 56
chr-11.trna48-Trp-CCA            GGAUCCGUGGCGCAAU--GGUAGCGCUUCUGACUCCAGAUCAGAAGGUU--GUGUGUUAG 56
chr-11.trna49-Trp-CCA            GGAUCCGUGGCGCAAU--GGUAGCGCUUCUGACUCCAGAUCAGAAGGUU--GUGUGUUAG 56
chr-11.trna50-Trp-CCA            GGAUCCGUGGCGCAAU--GGUAGCGCUUCUGACUCCAGAUCAGAAGGUU--GUGUGUUAG 56
chr-11.trna51-Trp-CCA            GGAUCCGUGGCGCAAU--GGUAGCGCUUCUGACUCCAGAUCAGAAGGUU--GUGUGUUAG 56
chr-11.trna54-Trp-CCA            GGAUCCGUGGCGCAAU--GGUAGCGCUUCUGACUCCAGAUCAGAAGGUU--GUGUGUUAG 56
chr-3.trna3-Trp-CCA              GGAUUUGUGGCGCAAU--GCUAGCUCGUCUGACUCCAGAUCAGAAGGUU--GCGUGUUUG 56
chr-11.trna45-Trp-CCA            GGAUCCGUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUUGCGCGUGUUCG 58
chr-11.trna53-Trp-CCA            GGAUCCGUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUUGCGCGUGUUCG 58
chr-12.trna37-Trp-CCA            GGAUCCAUGGCGCAAU--GGUAGCGCGUCU-ACUCCAGAUUUGAAGGUU--UCGUGUUCG 55
                                 .........10........20........30........40........50.........
                                 ...))))))))..)))).
chr-2.trna58-Trp-CCA             AAUCCUACAGA--GCGUG 74
chr-4.trna47-Trp-CCA             AAUCCUACAGA--GCGUG 74
chr-10.trna121-Trp-CCA           AAUCCUACAGA--GCGUG 74
chr-9.trna50-Trp-CCA             AAUCCUACAGA--GCGUN 74
chr-13.trna65-Trp-CCA            AAUCCUAUAGA--GCGUG 74
chr-13.trna77-Trp-CCA            AAUCCUACAGA--GCGUG 74
chr-10.trna98-Trp-CCA            AAUCCUACAGA--GCAUG 74
chr-11.trna87-Trp-CCA            AAUCCUACAUA--GUGUG 74
chr-5.trna14-Trp-CCA             AAUCCUACAGA--GCAUG 74
chr-12.trna38-Trp-CCA            AAUCCUACAGA--GCGUG 74
chr-13.trna70-Trp-CCA            AAUCCUACAAA--GCGUG 74
chr-10.trna2-Trp-CCA             AAUCCUAC--A--GAGCG 72
chr-3.trna56-Trp-CCA             AAUCCUACAGAGUGUGAU 76
chr-2.trna3-Trp-CCA              AUUCACGUCGG--GUUCA 72
chr-6.trna28-Trp-CCA             AUUCACGUCGG--GUUCA 72
chr-11.trna52-Trp-CCA            AUUCACGUCGG--GUUCA 72
chr-11.trna55-Trp-CCA            AUUCACGUCGG--GUUCA 72
chr-6.trna35-Trp-CCA             AUUCACGUCGG--GUUCA 72
chr-8.trna57-Trp-CCA             AUUCACGUCGG--GUUCA 72
chr-8.trna58-Trp-CCA             AUUCACGUCGG--GUUCA 72
chr-12.trna72-Trp-CCA            AUUCACGUCGG--GUUCA 72
chr-8.trna59-Trp-CCA             AUUCACGUCGG--GUUCA 72
chr-9.trna64-Trp-CCA             AUUCACGUCGG--GUUCA 72
chr-11.trna44-Trp-CCA            AUUCACGUCGG--GUUCA 72
chr-13.trna111-Trp-CCA           AUUCACGUCGG--GUUCA 72
chr-9.trna55-Trp-CCA             AUUCACGUCGG--GUUCA 72
chr-11.trna2-Trp-CCA             AUUCACGUCGG--GUUCA 72
chr-10.trna16-Trp-CCA            AUUCACGUCGG--GUUCA 72
chr-11.trna46-Trp-CCA            AUUCACGUCGG--GUUCA 72
chr-11.trna47-Trp-CCA            AUUCACGUCGG--GUUCA 72
chr-11.trna48-Trp-CCA            AUUCACGUCGG--GUUCA 72
chr-11.trna49-Trp-CCA            AUUCACGUCGG--GUUCA 72
chr-11.trna50-Trp-CCA            AUUCACGUCGG--GUUCA 72
chr-11.trna51-Trp-CCA            AUUCACGUCGG--GUUCA 72
chr-11.trna54-Trp-CCA            AUUCACGUCGG--GUUCA 72
chr-3.trna3-Trp-CCA              GUUCACGUCAA--GUUCA 72
chr-11.trna45-Trp-CCA            AUUCACGUCGG--GUUCA 74
chr-11.trna53-Trp-CCA            AUUCACGUCGG--GUUCA 74
chr-12.trna37-Trp-CCA            AUUCACAUUGG--GUUCA 71
                                 .........70.......
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