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                         (((((((..((((.........)))).(((((.......)))))).....(((((.......
chr-7.trna111-Asn-GTT    UCCUUAGUAGCUCAGUGG--UAGAGCGGUCGGCUGUUAACCGAUUGGUCGUAGGUUCAAA 58
chr-7.trna34-Asn-GTT     UCCUCAGUAGCUCAGUGG--UAGAGCGGUCGGCUGUUAACCGAUUGGUCGUAGGUUCAAA 58
chr-1.trna75-Asn-GTT     UCCUCAGUAGCUCAGUGG--UAGAGCGGUCGGCUGUUAACCGAUUGGUCGUAGGUUCGAA 58
chr-4.trna160-Asn-GTT    UCCUCAGUAGCUCAGUGG--UAGAGCGGUCGGCUGUUAACCGAUUGGUCGUAGGUUCGAA 58
chr-4.trna186-Asn-GTT    UCCUCAGUAGCUCAGUGG--UAGAGCGGUCGGCUGUUAACCGAUUGGUCGUAGGUUCGAA 58
chr-7.trna93-Asn-GTT     UCCUUAGUAGCUCAGGGG--UAGAGUGGUCGGCUGUUAACCGAUUGGUCGUAGGUUCAAA 58
chr-1.trna95-Asn-GTT     UACUCAGUAGCUCAGUGG--UAGAGCGGUCGGCUGUUAACCGAUUGGUCGUAGAUUCAAA 58
chr-5.trna69-Asn-GTT     UCCUCAGUAGCUCAGUGG--UAGAGUGGUCGGCUGUUAACCAAUUGAUCGUAGGUUUGAA 58
chr-1.trna98-Asn-GTT     GCUGGAAUAGCUCAGUGGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAAC 60
chr-1.trna99-Asn-GTT     GCUGGAAUAGCUCAGUGGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAAC 60
chr-1.trna100-Asn-GTT    GCUGGAAUAGCUCAGUGGGUUAGAGCGUGUGGCUGUUAACCACGAGGUCGGAGGUUCAAC 60
chr-1.trna20-Asn-GTT     GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAAC 60
chr-2.trna17-Asn-GTT     GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAAC 60
chr-2.trna40-Asn-GTT     GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAAC 60
chr-8.trna36-Asn-GTT     GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAAC 60
chr-8.trna25-Asn-GTT     GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAAC 60
chr-2.trna47-Asn-GTT     GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAAC 60
chr-2.trna59-Asn-GTT     GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAAC 60
chr-7.trna49-Asn-GTT     GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAAC 60
chr-2.trna69-Asn-GTT     GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAAC 60
chr-2.trna83-Asn-GTT     GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAAC 60
chr-3.trna120-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAAC 60
chr-5.trna90-Asn-GTT     GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAAC 60
chr-5.trna89-Asn-GTT     GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAAC 60
chr-3.trna145-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAAC 60
chr-5.trna72-Asn-GTT     GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAAC 60
chr-4.trna37-Asn-GTT     GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAAC 60
chr-4.trna179-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAAC 60
chr-5.trna30-Asn-GTT     GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAAC 60
chr-5.trna26-Asn-GTT     GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAAC 60
chr-5.trna73-Asn-GTT     GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAAU 60
chr-8.trna40-Asn-GTT     GCUGGAAUAGCUCAGAUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCGAC 60
chr-5.trna54-Asn-GTT     GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAA- 59
chr-1.trna144-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAAC 60
chr-5.trna100-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGU-GGAGGUUCAAC 59
chr-1.trna96-Asn-GTT     GCAGGAAUAGCUCAGUGGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAAC 60
chr-1.trna97-Asn-GTT     GCUGGAAUAGCUCAGUGGGUUAGAGCGUAUGGUUGUUAACCACAAGGUCAGAGGUUCAAC 60
chr-6.trna66-Asn-GTT     GCUUGAAUAGCUCAGUUGGUUAGAGUGUGUGGUUGUUAACCACAAGGUUGGAGGUUCAAC 60
chr-2.trna90-Asn-GTT     GAACAAAUGGCAUAG--UGGUAGAGCUUAUUGUUGUUAUUAAUGUGGUCAUGGGUUCAAC 58
                         .........10........20........30........40........50.........

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chr-7.trna111-Asn-GTT    UCCUAC----UUGGGGAG 72
chr-7.trna34-Asn-GTT     UCCUAC----UUGAGGAG 72
chr-1.trna75-Asn-GTT     UCCUAU----UUGGGGAG 72
chr-4.trna160-Asn-GTT    UCCUAU----UUGGGGAG 72
chr-4.trna186-Asn-GTT    UCCUAU----UUGGGGAG 72
chr-7.trna93-Asn-GTT     UCCUUC----UUGAGGAG 72
chr-1.trna95-Asn-GTT     UCCUAC----UUGAGGAG 72
chr-5.trna69-Asn-GTT     UCCUAU----UAGGGGAG 72
chr-1.trna98-Asn-GTT     CCCUCC----UUCUAGCG 74
chr-1.trna99-Asn-GTT     CCCUCC----UUCUAGCG 74
chr-1.trna100-Asn-GTT    CCCUCC----UUCUAGCG 74
chr-1.trna20-Asn-GTT     CCCUCC----UUCUAGCG 74
chr-2.trna17-Asn-GTT     CCCUCC----UUCUAGCG 74
chr-2.trna40-Asn-GTT     CCCUCC----UUCUAGCG 74
chr-8.trna36-Asn-GTT     CCCUCC----UUCUAGCG 74
chr-8.trna25-Asn-GTT     CCCUCC----UUCUAGCG 74
chr-2.trna47-Asn-GTT     CCCUCC----UUCUAGCG 74
chr-2.trna59-Asn-GTT     CCCUCC----UUCUAGCG 74
chr-7.trna49-Asn-GTT     CCCUCC----UUCUAGCG 74
chr-2.trna69-Asn-GTT     CCCUCC----UUCUAGCG 74
chr-2.trna83-Asn-GTT     CCCUCC----UUCUAGCG 74
chr-3.trna120-Asn-GTT    CCCUCC----UUCUAGCG 74
chr-5.trna90-Asn-GTT     CCCUCC----UUCUAGCG 74
chr-5.trna89-Asn-GTT     CCCUCC----UUCUAGCG 74
chr-3.trna145-Asn-GTT    CCCUCC----UUCUAGCG 74
chr-5.trna72-Asn-GTT     CCCUCC----UUCUAGCG 74
chr-4.trna37-Asn-GTT     CCCUCC----UUCUAGCG 74
chr-4.trna179-Asn-GTT    CCCUCC----UUCUAGCG 74
chr-5.trna30-Asn-GTT     CCCUCC----UUCUAGCG 74
chr-5.trna26-Asn-GTT     CCCUCC----UUCUAGCG 74
chr-5.trna73-Asn-GTT     CCCUCC----UUCUAGCG 74
chr-8.trna40-Asn-GTT     CCCUCC----UUCUAGCG 74
chr-5.trna54-Asn-GTT     CCCUCC----UUCUAGCG 73
chr-1.trna144-Asn-GTT    CCCUCC----UUCUAACG 74
chr-5.trna100-Asn-GTT    CCCUCC----UUCUAGCG 73
chr-1.trna96-Asn-GTT     CCCUCC----UUCUAGCG 74
chr-1.trna97-Asn-GTT     CCCUCC----UUUUAGCG 74
chr-6.trna66-Asn-GTT     CCCUCC----UUCUAGCA 74
chr-2.trna90-Asn-GTT     UUUCAUGACUUUUGUUCU 76
                         .........70.......
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