```
                                 (((((((..(((...((((.(((.((.(((.......)))))))).)))).)))...)))))))
chr-13.trna322-Leu-AAG    AUGGAGAUGGUCGAGUUGGUCUAAGGCGCUAGAUUAAGGCUUUGGUCUGAAAGGGCGUGG 60
chr-13.trna338-Leu-AAG    GUGGAGAUGGUCGAGUUGGUCUAAGGCGCUAGAUUAAGGCUUUGGUCUGAAAGGGCGUGG 60
chr-13.trna337-Leu-AAG    GUGGAGAUGGUCGAGUUGGUCUAAGGCGCUAGAUUAAGGCUUUGGUCUGAAAGGGCGUGG 60
chr-13.trna319-Leu-AAG    GUGGAGAUGGUCGAGUUGGUCUGUGGCGCCAGAUUAAGGCUCUGGUCUGAAAGGGCGUGG 60
chr-5.trna141-Leu-AAG     GUGGAGAUGGUCGAGUUGGUCUAAGGCGCUAGAUUAAGGUUCUGGUCCGAAAGGGCGUGG 60
chr-6.trna36-Leu-AAG      GUUGAGAUGGCCGAGUUGGUCUAAGGUGUUAGAUUAAGGUUCUGGUCCGAAAGGGCGUGG 60
chr-3.trna35-Leu-AAG      GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAAGGGCGUGG 60
chr-3.trna50-Leu-AAG      GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAAGGGCGUGG 60
chr-13.trna359-Leu-AAG    GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAAGGGCGUGG 60
chr-13.trna362-Leu-AAG    GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAAGGGCGUGG 60
chr-14.trna12-Leu-AAG     GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAAGGGCGUGG 60
chr-3.trna97-Leu-AAG      GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAAGGGCGUGG 60
chr-3.trna122-Leu-AAG     GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAAGGGCGUGG 60
chr-3.trna123-Leu-AAG     GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAAGGGCGUGG 60
chr-1.trna200-Leu-AAG     GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAAGGGCGUGG 60
chr-5.trna136-Leu-AAG     GUGGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAAGGGCGUGG 60
chr-5.trna137-Leu-AAG     GUGGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAAGGGCGUGG 60
chr-5.trna138-Leu-AAG     GUGGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAAGGGCGUGG 60
chr-5.trna139-Leu-AAG     GUGGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAAGGGCGUGG 60
chr-5.trna140-Leu-AAG     GUGGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAAGGGCGUGG 60
chr-5.trna194-Leu-AAG     GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAAGGGCGUGG 60
chr-5.trna197-Leu-AAG     GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAAGGGCGUGG 60
chr-5.trna198-Leu-AAG     GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAAGGGCGUGG 60
chr-6.trna12-Leu-AAG      GUGGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAAGGGCGUGG 60
chr-6.trna13-Leu-AAG      GUGGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAAGGGCGUGG 60
chr-6.trna55-Leu-AAG      GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAAGGGCGUGG 60
chr-8.trna15-Leu-AAG      GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAAGGGCGUGG 60
chr-8.trna137-Leu-AAG     GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAAGGGCGUGG 60
chr-11.trna50-Leu-AAG     GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAAGGGCGUGG 60
chr-16.trna80-Leu-AAG     GUGGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAAGGGCGUGG 60
chr-11.trna51-Leu-AAG     GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAAGGGCGUGG 60
chr-13.trna357-Leu-AAG    GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAAGGGCGUGG 60
chr-6.trna35-Leu-AAG      GUUGAGAUGACUGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCUGAAAGGGCGUGG 60
chr-6.trna103-Leu-AAG     GUUGAGAUGGCUGAGUUGGUCUAAGGCGUCAGAUUAAGGUUCUGGUCCGAAAGGGCGUGG 60
chr-13.trna327-Leu-AAG    GUGGAGAUGGUCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAAGGGCGUGG 60
chr-6.trna48-Leu-AAG      GUUGAGAUGGCCGAGUUGGUCUAAGCCGCCAGAUUAAGGUUCUGGUCCGAAAGGGCGUGG 60
chr-5.trna195-Leu-AAG     GUUGAGAUGGUCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCUGAAAGGGCGUGG 60
chr-13.trna314-Leu-AAG    GUGGAUAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCUGAAAGGGCGUGG 60
chr-6.trna14-Leu-AAG      GUGGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAAGGGCGUGG 60
chr-5.trna134-Leu-AAG     GUGGAGAUGGCCGAGUUGGUCUAAGGCGCUAGAUUAAGGUUCUGGUCCGAAGGGGCGUGG 60
chr-5.trna135-Leu-AAG     GUGGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAGGGGCGUGG 60
chr-13.trna309-Leu-AAG    GUGGAGGUGGCUGAGUUGGUCUAAGGCACCAGAUUAAGGUUUUGGUCCGAAAGGGCGUGG 60
chr-13.trna312-Leu-AAG    GUGGAGGUAGCUGAGUUGGUCUAAGGCGCUAGAUUAAGGUUUUGGUCCGAAAGGGCGUGG 60
chr-13.trna329-Leu-AAG    GUGGAGAUGGUCGAGUUGGUCUAUGGCGCUAGAUUAAGGCUAUGGUCUGAAAGGGCGUGG 60
chr-4.trna91-Leu-AAG      GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUUUGGUCCGAAAGGGCGUGG 60
chr-9.trna114-Leu-AAG     GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUUUGGUCCGAAAGGGCGUGG 60
chr-13.trna308-Leu-AAG    GUGGAGGUGGCUGAGUUGGUCUAAGGCGCCAGAUUAAGGUUUUGGUCCAAAAGGGCGUGG 60
chr-13.trna317-Leu-AAG    GUGGAGAUGGUCGAGUUGGUCUAUGGCGCCAGAUUAAGGCUAUGGUCUGAAAGGGCGUGG 60
chr-13.trna330-Leu-AAG    GUGGAGAUGGUCGAGUUGGUCUAUGGCGCCAGAUUAAGGCUAUGGUCUGAAAGGGCGUGG 60
chr-13.trna331-Leu-AAG    GUGGAGAUGGUCGAGUUGGUCUAUGGCGCCAGAUUAAGGCUAUGGUCUGAAAGGGCGUGG 60
chr-13.trna332-Leu-AAG    GUGGAGAUGGUCGAGUUGGUCUAUGGCGCCAGAUUAAGGCUAUGGUCUGAAAGGGCGUGG 60
chr-13.trna333-Leu-AAG    GUGGAGAUGGUCGAGUUGGUCUAUGGCGCCAGAUUAAGGCUAUGGUCUGAAAGGGCGUGG 60
chr-13.trna306-Leu-AAG    GUGGAGGUGGCUGAGUUGGUCUAAGGCGCCAGAUUAAGGUUUUGGUCCGAAAGGGCGUGG 60
chr-13.trna310-Leu-AAG    GUGGAGGUGGCUGAGUUGGUCUAAGGCGCCAGAUUAAGGUUUUGGUCCGAAAGGGCGUGG 60
chr-13.trna311-Leu-AAG    GUGGAGGUGGCUGAGUUGGUCUAAGGCGCCAGAUUAAGGUUUUGGUCCGAAAGGGCGUGG 60
chr-9.trna30-Leu-AAG      GUUGAGAUGGCUGAGUUGGUCUAAGGUGCUAGAUUAAGGUUUUGGUCCGAAAGGGCGUGG 60
chr-13.trna340-Leu-AAG    GUGGAGAUGGUCGAGUUGGUCUAUGGCGCCAGAUUAAGGCUCUGGUCCGAAAGGGCGUGG 60
chr-13.trna316-Leu-AAG    AUGGAGGUGGCUGAGUUGGUCUAAGGCGCCAGACUAAGGUUUUGGUCCGAAAGGGCGUGG 60
chr-13.trna307-Leu-AAG    GUGGAGGUGGCUGAGUUUGUCUAAGGCUCCAGAUUAAGGUUUUGGUCCGAAAGGGCGUGG 60
chr-13.trna358-Leu-AAG    GUUGAGAUGGCUGAGUUGGUCUAAGGCGUGAGAUUAAGGUUCUGGUUCGAAAAGGUGUGG 60
chr-13.trna335-Leu-AAG    GUGGAGAUGGUCGAGUUGGUCUAUGGCGCCAGAUUAAGGCUCUGGUCUGAAAGGGCGUGG 60
chr-13.trna321-Leu-AAG    GUGGAGAUGGUCGAGUUGGUCUAUGGCGCCAGAUUAAGGCUCUGGUCUGAAAGGGCGUGG 60
chr-13.trna318-Leu-AAG    GUGGAGAUGGUCGAGUUGGUCUAUGGCGCCAGAUUAAGGCUCUGGUCUGAAAGGGCGUGG 60
chr-13.trna334-Leu-AAG    GUGGAGAUGGUCGAGUUGGUCUAUGGCGCCAGAUUAAGGCUCUGGUCUGAAAGGGCGUGG 60
chr-13.trna336-Leu-AAG    GUGGAGAUGGUCGAGUUGGUCUAUGGCGCCAGAUUAAGGCUCUGGUCUGAAAGGGCGUGG 60
chr-13.trna324-Leu-AAG    GUGGAGAUGGUCGAGUUGGUCUAUGGCGCCAGAUUAAGGCUCUGGUCCGAAAGGGCGUGG 60
chr-8.trna16-Leu-AAG      GUUGAGAUGGCAGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAAGGGCUUGG 60
chr-8.trna24-Leu-AAG      AUUGAGAUGGCUGAGUUGGUCUAAGGCGUUAGAUUAAGGUUCUGGUCCGAAAGGGCGUGG 60
chr-13.trna326-Leu-AAG    GUAGAUAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCUGAAAGGGCGUGG 60
chr-13.trna315-Leu-AAG    GUGGAUAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCUGAAAGGGCGUGU 60
chr-13.trna325-Leu-AAG    AUGGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUGUGGUCCACAAGGGCGUGG 60
chr-13.trna341-Leu-AAG    GUGGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUGUGGUCCACAAGGGCGUGG 60
chr-13.trna328-Leu-AAG    GUGGAGAUGGCCGAGUUGGUCUAUGGCGCCAGAUUAAGGUUCUGGUCUGAAAGGGCAUGG 60
chr-8.trna136-Leu-AAG     GUGGAGAUGGUUGAGUUGGUCUAAGGUGCCAAAUUAAGGCUCUGGUCUG-AAGGGCGUGG 59
chr-14.trna13-Leu-AAG     GAG---AUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAAGGGCGUGG 57
                          .........10........20........30........40........50.........
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                          (.......)))))))))))).
chr-13.trna322-Leu-AAG    GUUCAAAUCGCACUCUCCACA 81
chr-13.trna338-Leu-AAG    GUUCAAAUCGCACUCUCCACA 81
chr-13.trna337-Leu-AAG    GUUCAAAUCGCACUCUCCACA 81
chr-13.trna319-Leu-AAG    GUUCAAAUCCCACUCUCCACA 81
chr-5.trna141-Leu-AAG     GUUCAAAUCCCACUCUUCACA 81
chr-6.trna36-Leu-AAG      GUUCAAAUCCCACUCUCAACA 81
chr-3.trna35-Leu-AAG      GUUCAAAUCCCACUCUCAACA 81
chr-3.trna50-Leu-AAG      GUUCAAAUCCCACUCUCAACA 81
chr-13.trna359-Leu-AAG    GUUCAAAUCCCACUCUCAACA 81
chr-13.trna362-Leu-AAG    GUUCAAAUCCCACUCUCAACA 81
chr-14.trna12-Leu-AAG     GUUCAAAUCCCACUCUCAACA 81
chr-3.trna97-Leu-AAG      GUUCAAAUCCCACUCUCAACA 81
chr-3.trna122-Leu-AAG     GUUCAAAUCCCACUCUCAACA 81
chr-3.trna123-Leu-AAG     GUUCAAAUCCCACUCUCAACA 81
chr-1.trna200-Leu-AAG     GUUCAAAUCCCACUCUCAACA 81
chr-5.trna136-Leu-AAG     GUUCAAAUCCCACUCUCCACA 81
chr-5.trna137-Leu-AAG     GUUCAAAUCCCACUCUCCACA 81
chr-5.trna138-Leu-AAG     GUUCAAAUCCCACUCUCCACA 81
chr-5.trna139-Leu-AAG     GUUCAAAUCCCACUCUCCACA 81
chr-5.trna140-Leu-AAG     GUUCAAAUCCCACUCUCCACA 81
chr-5.trna194-Leu-AAG     GUUCAAAUCCCACUCUCAACA 81
chr-5.trna197-Leu-AAG     GUUCAAAUCCCACUCUCAACA 81
chr-5.trna198-Leu-AAG     GUUCAAAUCCCACUCUCAACA 81
chr-6.trna12-Leu-AAG      GUUCAAAUCCCACUCUCCACA 81
chr-6.trna13-Leu-AAG      GUUCAAAUCCCACUCUCCACA 81
chr-6.trna55-Leu-AAG      GUUCAAAUCCCACUCUCAACA 81
chr-8.trna15-Leu-AAG      GUUCAAAUCCCACUCUCAACA 81
chr-8.trna137-Leu-AAG     GUUCAAAUCCCACUCUCAACA 81
chr-11.trna50-Leu-AAG     GUUCAAAUCCCACUCUCAACA 81
chr-16.trna80-Leu-AAG     GUUCAAAUCCCACUCUCCACA 81
chr-11.trna51-Leu-AAG     GUUCAAAUCCCACUCUCAACA 81
chr-13.trna357-Leu-AAG    GUUCAAAUCCCACUCUCAACA 81
chr-6.trna35-Leu-AAG      GUUCAAAUCCCACUCUCAACA 81
chr-6.trna103-Leu-AAG     GUUCAAAUCCCACUCUCAACA 81
chr-13.trna327-Leu-AAG    GUUUAAAUCCCACUCUCCACA 81
chr-6.trna48-Leu-AAG      GUUCAAAUCCCACUCUCAACA 81
chr-5.trna195-Leu-AAG     GUUCAAAUCCCACUCUCAACA 81
chr-13.trna314-Leu-AAG    GUUCAAAUCCCACUCUCCACA 81
chr-6.trna14-Leu-AAG      CUUCAAAUCCCACUCUCCACA 81
chr-5.trna134-Leu-AAG     GUUCAAUUCCCACUCUCCAUA 81
chr-5.trna135-Leu-AAG     GUUCAAAUCACACUCUCCAUA 81
chr-13.trna309-Leu-AAG    GUUCAAAUCCCACUCUCCACA 81
chr-13.trna312-Leu-AAG    GUUCAAAUCCCACUCUCCACA 81
chr-13.trna329-Leu-AAG    GUUCAAAUCCCACUCUCCACA 81
chr-4.trna91-Leu-AAG      GUUCAAAUCCCACUCUCAACA 81
chr-9.trna114-Leu-AAG     GUUCAAAUCCCACUCUCAACA 81
chr-13.trna308-Leu-AAG    GUUCAAAUCCCACUCUCCACA 81
chr-13.trna317-Leu-AAG    GUUCAAAUCCCACUCUCCACA 81
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chr-13.trna333-Leu-AAG    GUUCAAAUCCCACUCUCCACA 81
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chr-13.trna310-Leu-AAG    GUUCAAAUCCCACUCUCCACA 81
chr-13.trna311-Leu-AAG    GUUCAAAUCCCACUCUCCACA 81
chr-9.trna30-Leu-AAG      GUUCAAAUCCCACUCUCAACA 81
chr-13.trna340-Leu-AAG    GUUCAAAUCCCACUUUCCACA 81
chr-13.trna316-Leu-AAG    GUUCAAAUCCCAAUCUCCACA 81
chr-13.trna307-Leu-AAG    GUUCAAAUCCCACUCUCCACA 81
chr-13.trna358-Leu-AAG    GUUCAAAUCCCACUCUCAACA 81
chr-13.trna335-Leu-AAG    GUUCAAAUCCCACUCUCCACA 81
chr-13.trna321-Leu-AAG    GUUCAAAUCCCACUCUCCACA 81
chr-13.trna318-Leu-AAG    GUUCAAAUCCCACUCUCCACA 81
chr-13.trna334-Leu-AAG    GUUCAAAUCCCACUCUCCACA 81
chr-13.trna336-Leu-AAG    GUUCAAAUCCCACUCUCCACA 81
chr-13.trna324-Leu-AAG    GUUCAAAUCCCACUUUCCACA 81
chr-8.trna16-Leu-AAG      GUUCAAAUCCCACUCUCAACA 81
chr-8.trna24-Leu-AAG      GUUUAAAUCCCACUCUCAACU 81
chr-13.trna326-Leu-AAG    GUUCAAAUCCCACUCUCCACG 81
chr-13.trna315-Leu-AAG    GUUCAAAUCCCACUCUCCACA 81
chr-13.trna325-Leu-AAG    GUUCAAAUCCCACUCUUUACA 81
chr-13.trna341-Leu-AAG    GUUCAAAUCCCACUCUUUACA 81
chr-13.trna328-Leu-AAG    GUUCAAAUCCUUUUCUCCACA 81
chr-8.trna136-Leu-AAG     GUUCAAAUCCCACUCUCAACA 80
chr-14.trna13-Leu-AAG     GUUCAAAUCCCACUCUAUUCA 78
                          .........70........80
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