```
                        (((((((..((((.........))))((((((.......))))))....(((((.....
chr-10e.trna20-Lys-TTT  UCCGUUGUUAUCUAGUAUGGUUAGGAUGCCUGGAUUUUGUCCAGGU-CUCCCGGGUUCAA 59
chr-10c.trna12-Lys-TTT  UCCGUUGUUAUCUAGUAUGGUUAGGAUGCCUGGAUUUUGUCCAGGU-CUCCCGGGUUCAA 59
chr-1e.trna20-Lys-CTT   GCCCGUCUAGCUCAG--UCGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGA 58
chr-11c.trna23-Lys-CTT  GCCCGUCUAGCUCAG--UCGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGA 58
chr-2c.trna60-Lys-CTT   GCCCGUCUAGCUCAG--UCGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGA 58
chr-2c.trna74-Lys-CTT   GCCCGUCUAGCUCAG--UCGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGA 58
chr-8e.trna29-Lys-CTT   GCCCGUCUAGCUCAG--UCGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGA 58
chr-11c.trna22-Lys-CTT  GCCCGUCUAGCUCAG--UCGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGA 58
chr-7e.trna50-Lys-CTT   GCCCGUCUAGCUCAG--UCGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGA 58
chr-2e.trna29-Lys-CTT   GCCCGUCUAGCUCAG--UCGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGA 58
chr-2e.trna81-Lys-CTT   GCCCGUCUAGCUCAG--UCGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGA 58
chr-2e.trna82-Lys-CTT   GCCCGUCUAGCUCAG--UCGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGA 58
chr-11e.trna23-Lys-CTT  GCCCGUCUAGCUCAG--UCGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGA 58
chr-10e.trna33-Lys-CTT  GCCCGUCUAGCUCAG--UCGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGA 58
chr-4e.trna53-Lys-CTT   GCCCGUCUAGCUCAG--UCGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGA 58
chr-4e.trna51-Lys-CTT   GCCCGUCUAGCUCAG--UCGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGA 58
chr-2c.trna76-Lys-CTT   GCCCGUCUAGCUCAG--UUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGA 58
chr-2e.trna84-Lys-CTT   GCCCGUCUAGCUCAG--UUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGA 58
chr-10c.trna27-Lys-CTT  GCCCGUCUAGCUCAG--UUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGA 58
chr-7c.trna53-Lys-CTT   GCCCGUCUAGCUCAG--UCGGUAGAGCGCAAGGCUCUUGACCUUGUGGUCGUGGGUUCGA 58
chr-1c.trna35-Lys-TTT   GCCGUCUUAGCUCAG--CCGGUAGAGCGCAUGGCUUUUAACCAUGUGGUCGUGGGUUCGA 58
chr-1e.trna29-Lys-TTT   GCCGUCUUAGCUCAG--CCGGUAGAGCGCAUGGCUUUUAACCAUGUGGUCGUGGGUUCGA 58
chr-1e.trna44-Lys-TTT   GCCGUCUUAGCUCAG--CCGGUAGAGCGCAUGGCUUUUAACCAUGUGGUCGUGGGUUCGA 58
chr-2c.trna75-Lys-TTT   GCCGUCUUAGCUCAG--CCGGUAGAGCGCAUGGCUUUUAACCAUGUGGUCGUGGGUUCGA 58
chr-11e.trna21-Lys-TTT  GCCGUCUUAGCUCAG--CCGGUAGAGCGCAUGGCUUUUAACCAUGUGGUCGUGGGUUCGA 58
chr-11c.trna20-Lys-TTT  GCCGUCUUAGCUCAG--CCGGUAGAGCGCAUGGCUUUUAACCAUGUGGUCGUGGGUUCGA 58
chr-11e.trna3-Lys-TTT   GCCGUCUUAGCUCAG--CCGGUAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGA 58
chr-6e.trna1-Lys-TTT    GCCGUCUUAGCUCAG--CCGGUAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGA 58
chr-10c.trna4-Lys-TTT   GCCGUCUUAGCUCAG--CCGGUAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGA 58
chr-6e.trna7-Lys-TTT    GCCGUCUUAGCUCAG--CCGGUAGAGCGCAUGGCUUUUAACCAUGUGGUCGUGGGUUCGA 58
chr-7c.trna39-Lys-TTT   GCCGUCUUAGCUCAG--CCGGUAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGA 58
chr-10e.trna6-Lys-TTT   GCCGUCUUAGCUCAG--CCGGUAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGA 58
chr-9e.trna3-Lys-TTT    GCCGUCUUAGCUCAG--CCGGUAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGA 58
chr-9c.trna3-Lys-TTT    GCCGUCUUAGCUCAG--CCGGUAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGA 58
chr-7e.trna36-Lys-TTT   GCCGUCUUAGCUCAG--CCGGUAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGAUCGA 58
chr-3c.trna20-Lys-TTT   GUGAUGGUGCAACGGU-UAAUACAUUGGUUUUU-UAUUACAAAGG---UCUUGAGUUCGA 55
chr-1c.trna20-Lys-TTT   GUGAUGGUGCAACGGU-UAAUACAUUGGUCUUU-UAUUACAAAGG---UCUUGAGUUCAA 55
chr-11c.trna30-Lys-TTT  GUGAUGGUGCAAUGGU-UACUACAUUGGUCUUU-UAUUACAAAGG---UCUUGAGUUCGA 55
chr-8e.trna36-Lys-TTT   GUGAUGGUGCAAUGGU-UACUACAUUGGUCUUU-UAUUACAAAGG---UCUUGAGUUCGA 55
chr-8e.trna35-Lys-TTT   GUGAUGGUGCAAUGGU-UACUACAUUGGUCUUU-UAUUACAAAGG---UCUUGAGUUCGA 55
chr-3c.trna32-Lys-TTT   GUGAUGGUGCAAUGGU-UACUAUAUUGGUCUUU-UAUUACAAAGG---UCUUGAGUUCGA 55
chr-4c.trna11-Lys-TTT   GUGAUGGUGCAAUGGU-UACUAUAUUGGUCUUU-UAUUACAAAGG---UCUUGAGUUCGA 55
chr-1e.trna9-Lys-TTT    GUGAUGGUGCAAUGGU-UACUACAUUGGUUUUU-UAUUACAAAGG---UCUUGAGUUCGA 55
chr-1c.trna50-Lys-TTT   GUGAUGGUGCAAUGGU-UACUACAUUGGUCUUU-UAUUACAAAGG---UCUUGAGUUCGA 55
chr-9c.trna15-Lys-TTT   GUGAUGGUGCAAUGGU-UAGUACAUUGGUCUUU-UAUUACAAAGG---UCUUGAGUUCGA 55
chr-2c.trna52-Lys-TTT   GUGAUGGUGCAACGGU-UAAUACAUUGAUCUUU-UAUUAGAAAGG---UCUUGAGUUCAA 55
chr-8e.trna12-Lys-TTT   GCAUCUAUUAUCCAA--UGGACAGGACAAGGUCUUUUAAACAUUUGGU-AUAGGUUCAA 57
                        .........10........20........30........40........50.........
                        ..))))))))))))).
chr-10e.trna20-Lys-TTT  UUCCCGGCAACGGAA 74
chr-10c.trna12-Lys-TTT  UUCCCGGCAACGGAA 74
chr-1e.trna20-Lys-CTT   GCCCCACGGUGGGCG 73
chr-11c.trna23-Lys-CTT  GCCCCACGGUGGGCG 73
chr-2c.trna60-Lys-CTT   GCCCCACGGUGGGCG 73
chr-2c.trna74-Lys-CTT   GCCCCACGGUGGGCG 73
chr-8e.trna29-Lys-CTT   GCCCCACGGUGGGCG 73
chr-11c.trna22-Lys-CTT  GCCCCACGGUGGGCG 73
chr-7e.trna50-Lys-CTT   GCCCCACGGUGGGCG 73
chr-2e.trna29-Lys-CTT   GCCCCACGGUGGGCG 73
chr-2e.trna81-Lys-CTT   GCCCCACGGUGGGCG 73
chr-2e.trna82-Lys-CTT   GCCCCACGGUGGGCG 73
chr-11e.trna23-Lys-CTT  GCCCCACGGUGGGCG 73
chr-10e.trna33-Lys-CTT  GCCCCACGGUGGGCG 73
chr-4e.trna53-Lys-CTT   GCCCCACGGUGGGCG 73
chr-4e.trna51-Lys-CTT   GCCCCACGGUGGGCG 73
chr-2c.trna76-Lys-CTT   GCCCCACGGUGGGCG 73
chr-2e.trna84-Lys-CTT   GCCCCACGGUGGGCG 73
chr-10c.trna27-Lys-CTT  GCCCCACGGUGGGCG 73
chr-7c.trna53-Lys-CTT   GCCCCACGGUGGGCG 73
chr-1c.trna35-Lys-TTT   UUCCCACAGACGGCG 73
chr-1e.trna29-Lys-TTT   UUCCCACAGACGGCG 73
chr-1e.trna44-Lys-TTT   UUCCCACAGACGGCG 73
chr-2c.trna75-Lys-TTT   UUCCCACAGACGGCG 73
chr-11e.trna21-Lys-TTT  UUCCCACAGACGGCG 73
chr-11c.trna20-Lys-TTT  UUCCCACAGACGGCG 73
chr-11e.trna3-Lys-TTT   UUCCCACAGACGGCG 73
chr-6e.trna1-Lys-TTT    UUCCCACAGACGGCG 73
chr-10c.trna4-Lys-TTT   UUCCCACAGACGGCG 73
chr-6e.trna7-Lys-TTT    UUCCCACAGACGGCG 73
chr-7c.trna39-Lys-TTT   UUCCCACAGACGGCG 73
chr-10e.trna6-Lys-TTT   UUCCCACAGACGGCG 73
chr-9e.trna3-Lys-TTT    UUCCCACAGACGGCG 73
chr-9c.trna3-Lys-TTT    UUCCCACAGACGGCG 73
chr-7e.trna36-Lys-TTT   UUCCCACAGACGGCG 73
chr-3c.trna20-Lys-TTT   AUCUUGAUAGCUGCA 70
chr-1c.trna20-Lys-TTT   AUCUUGAUAGCUGUA 70
chr-11c.trna30-Lys-TTT  AUCUUGAUAGCUGCA 70
chr-8e.trna36-Lys-TTT   AUCUUGAUAGCUGCA 70
chr-8e.trna35-Lys-TTT   AUCUUGAUAGCUGCA 70
chr-3c.trna32-Lys-TTT   AUCUUGAUAGCUGCA 70
chr-4c.trna11-Lys-TTT   AUCUUGAUAGCUGCA 70
chr-1e.trna9-Lys-TTT    AUCUUGAUAGCUGCA 70
chr-1c.trna50-Lys-TTT   AUCUUGAUAGCUGUA 70
chr-9c.trna15-Lys-TTT   AUCUUGAUAGCUGCA 70
chr-2c.trna52-Lys-TTT   AUCUUGAUAGCUACA 70
chr-8e.trna12-Lys-TTT   AUUCUAUUGGACACA 72
                        .........70....
```