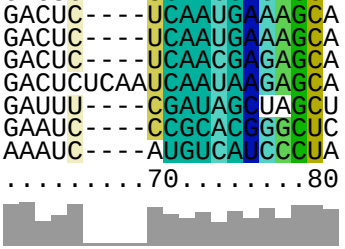```
                         (((((((..((((.........)))).(((((((...)))))))).....(((((...
chr-3.trna26-Thr-TGT     GCCCUUAUAGCUCAGUGG--UAGAGCGUCAGUCUUGUAAACUGA---AGGUCCGUAGUUC 55
chr-5.trna69-Thr-TGT     GCCCCUAUAGCUCAGUGG--UAGAGCGUCAGUCUUGUAAACUGA---AGGUCUGUAGUUC 55
chr-9.trna57-Thr-TGT     GCCCCUAUAGCUCAGUGG--UAGAGCGUCAGUCUUGUAAACUGA---AGGUCUGUAGUUC 55
chr-6.trna87-Thr-TGT     GCCCCUAUAGCUCAGUGG--UAGAGCGUCAGUCUUGUAAACUGA---AGGUCUGUAGUUC 55
chr-7.trna44-Thr-TGT     GCCCCUAUAGCUCAGUGG--UAGAGCGUCAGUCUUGUAAACUGA---AGGUCUGUAGUUC 55
chr-7.trna71-Thr-TGT     GCCCCUAUAGCUCAGUGG--UAGAGCGUCAGUCUUGUAAACUGA---AGGUCUGUAGUUC 55
chr-5.trna40-Thr-CGT     GCCUCCGUAGCAUAGUGG--UAGUGCGUUCGCUUCGUAAGCGAA---AGGUCGCGAGUUC 55
chr-6.trna63-Thr-CGT     GCCUCCAUAGCAUAGUGG--UAGUGCGUUCGCUUCGUAAGCGAA---AGGUCGCGAGUUC 55
chr-8.trna118-Thr-CGT    GCCUCCAUAGCAUAGUGG--UAGUGCGUUCGCUUCGUAAGCGAG---AGGUCGCGAGUUC 55
chr-9.trna62-Thr-AGT     GUUCUUCUAGCACAGUGGGUUAGGGUACCCGUUUAGUAAGCGAG---AGGUCUUGAAUUC 57
chr-8.trna150-Thr-AGT    GCUCUCGUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGG---AGGUCUUGAGUUC 57
chr-2.trna55-Thr-AGT     GCUCUCGUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGG---AGGUCUUGAGUUC 57
chr-4.trna29-Thr-AGT     GCUCUUGUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGG---AGGUCUUGAGUUC 57
chr-5.trna1-Thr-AGT      GCUCUCGUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGG---AGGUCUUGAGUUC 57
chr-9.trna70-Thr-AGT     GCUCUCGUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGG---AGGUCUUGAGUUC 57
chr-6.trna42-Thr-AGT     GCUCUCGUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGG---AGGUCUUGAGUUC 57
chr-8.trna147-Thr-AGT    GCUCUCGUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGG---AGGUCUUGAGUUC 57
chr-8.trna158-Thr-AGT    GCUCUCGUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGG---AGGUCUUGAGUUC 57
chr-8.trna149-Thr-AGT    GCUCUUGUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGG---AGGUCUUGAGUUC 57
chr-8.trna156-Thr-AGT    GCUCUCGUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGG---AGGUCUUGAGUUC 57
chr-8.trna154-Thr-AGT    GCUCUCGUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGG---AGGUCUUGAGUUC 57
chr-8.trna153-Thr-AGT    GCUCUCGUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGG---AGGUCUUGAGUUC 57
chr-8.trna152-Thr-AGT    GCUCUUGUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGG---AGGUCUUGAGUUC 57
chr-8.trna151-Thr-AGT    GCUCUCGUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGG---AGGUCUUGAGUUC 57
chr-3.trna89-Thr-AGT     GCUUUCAUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGG---AGGUCUUGAGUUC 57
chr-8.trna120-Thr-AGT    GCUUUCAUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGG---AGGUCUUGAGUUC 57
chr-8.trna157-Thr-AGT    GCUCUCGUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGA---AGGUCUUGAGUUC 57
chr-2.trna76-Thr-AGT     GUUCUUGUAGCACAGUUGGUUAGGGUACCCGUUUAGUAAGCGAG---AGGUCUUGAAUUC 57
chr-1.trna70-Thr-TGT     GCCCGCUUAGCUCAG-AGGUUAGAGCAUCGCAUUUGUCAUGUGA---UGGUCAUCGGUUC 56
chr-7.trna60-Thr-TGT     AGCCUGUUAGCUCAAUUGG-UAGAGUAUUGUGUAUGUAACACAAAAAAAAAUGUGGGUUC 59
chr-5.trna96-Thr-TGT     AGGGAUGUAGCACAGCUUGGUAGCGCGUUUGUUUUGUGUACAAA---AUAUCACGAGUUU 57
                         .........10........20........30........40........50.........

                         ....).....)))))))))))).
chr-3.trna26-Thr-TGT     GAUCC----UGCGUGAGGGCA 72
chr-5.trna69-Thr-TGT     GAUCC----UGCAUGGGGGCA 72
chr-9.trna57-Thr-TGT     GAUCC----UGCAUGGGGGCA 72
chr-6.trna87-Thr-TGT     GAUCC----UGCAUGGGGGCA 72
chr-7.trna44-Thr-TGT     GAUCC----UGCAUGGGGGCA 72
chr-7.trna71-Thr-TGT     GAUCC----UGCAUGGGGGCA 72
chr-5.trna40-Thr-CGT     GAUCC----UCGCCGGGGGCU 72
chr-6.trna63-Thr-CGT     GAUCC----UCGCUGGGGGCU 72
chr-8.trna118-Thr-CGT    GAUCC----UCGCUGGGGGCU 72
chr-9.trna62-Thr-AGT     GACUC----UCAAUAAGAGCA 74
chr-8.trna150-Thr-AGT    GAUUC----UCAACGAGAGCA 74
chr-2.trna55-Thr-AGT     GACUC----UCAACGAGAGCA 74
chr-4.trna29-Thr-AGT     GACUC----UCAACAAGAGCA 74
chr-5.trna1-Thr-AGT      GACUC----UCAACGAGAGCA 74
chr-9.trna70-Thr-AGT     GACUC----UCAACGAGAGCA 74
chr-6.trna42-Thr-AGT     GACUC----UCAACGAGAGCA 74
chr-8.trna147-Thr-AGT    GACUC----UCAACGAGAGCA 74
chr-8.trna158-Thr-AGT    GACUC----UCAACGAGAGCA 74
chr-8.trna149-Thr-AGT    GACUC----UCAACGAGAGCA 74
chr-8.trna156-Thr-AGT    GACUC----UCAACGAGAGCA 74
chr-8.trna154-Thr-AGT    GACUC----UCAACGAGAGCA 74
chr-8.trna153-Thr-AGT    GACUC----UCAACGAGAGCA 74
chr-8.trna152-Thr-AGT    GACUC----UCAACAAGAGCA 74
chr-8.trna151-Thr-AGT    GACUC----UCAACGAGAGCA 74
chr-3.trna89-Thr-AGT     GACUC----UCAAUGAAAGCA 74
chr-8.trna120-Thr-AGT    GACUC----UCAAUGAAAGCA 74
chr-8.trna157-Thr-AGT    GACUC----UCAACGAGAGCA 74
chr-2.trna76-Thr-AGT     GACUCUCAAUCAAUAAGAGCA 78
chr-1.trna70-Thr-TGT     GAUUU----CGAUAGCUAGCU 73
chr-7.trna60-Thr-TGT     GAAUC----CCGCACGGGCUC 76
chr-5.trna96-Thr-TGT     AAAUC----AUGUCAUCCCUA 74
                         .........70........80
```