```
                                 ((((((..((((.........)))).(((((((...)))))))).....(((((.....
chr-B03.trna142-Thr-TGT    GCCCUUAUAGCUCAGU--GGUAGAGCGUCAGUCUUGUAAACUGAAGGUCCGUAGUUCGAU 58
chr-B03.trna143-Thr-TGT    GCUCUUAUAGCUCAGU--GGUAGAGCGUCAGUCUUGUAAACUGAAGGUCCGUAGUUCGAU 58
chr-A03.trna86-Thr-TGT     GCCCUUAUAGCUCAGU--GGUAGAGCGUCAGUCUUGUAAACUGAAGGUCCGUAGUUCGAU 58
chr-B05.trna125-Thr-TGT    GCCCCUAUAGCUCAGU--GGUAGAGCGUCAGUCUUGUAAACUGAAGGUCCGUAGUUCGAU 58
chr-B08.trna106-Thr-TGT    GCCCCUAUAGCUCAGU--GGUAGAGCGUCAGUCUUGUAAACUGAAGGUCCGUAGUUCGAU 58
chr-A03.trna87-Thr-TGT     GCCCUUAUAGCUCAGU--GGUAGAGCGUCAGUCUUGUAAACUGAAGGUCCGUAGUUCGAU 58
chr-A08.trna26-Thr-TGT     GCCCCUAUAGCUCAGU--GGUAGAGCGUCAGUCUUGUAAACUGAAGGUCCGUAGUUCGAU 58
chr-A05.trna40-Thr-TGT     GCCCUUAUAGCUCAGU--GGUAGAGCGUUAGUCUUGUAAACUGAAGGUCCGUAGUUCGAU 58
chr-A01.trna89-Thr-TGT     GCCCCUAUAGCUCAGU--GGUAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCGAU 58
chr-A10.trna17-Thr-TGT     GCCCCUAUAGCUCAGU--GGUAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCGAU 58
chr-B01.trna53-Thr-TGT     GCCCCUAUAGCUCAGU--GGUAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCGAU 58
chr-B10.trna203-Thr-TGT    GCCCCUAUAGCUCAGU--GGUAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCGAU 58
chr-B04.trna211-Thr-TGT    GCCCCUAUAGCUCAGU--GGUAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCGAU 58
chr-B02.trna172-Thr-TGT    GCCCCUAUAGCUCAGU--GGUAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCGAU 58
chr-B10.trna125-Thr-CGT    GCCUCCGUAGCAUAGU--GGUAGUGCGUUCGCUUCGUAAGCGAAAGGUCGCGAGUUCGAU 58
chr-A01.trna115-Thr-CGT    GCCUCCGUAGCAUAGU--GGUAGUGCGUUCGCUUCGUAAGCGAAAGGUCGCGAGUUCGAU 58
chr-A03.trna11-Thr-CGT     GCUUCCGUAGCAUAGU--GGUAGUGCGUUCGCUUCGUAAGCGAAAGGUCGCGAGUUCGAU 58
chr-B01.trna114-Thr-CGT    GCCUCCGUAGCAUAGU--GGUAGUGCGUUCGCUUCGUAAGCGAAAGGUCGCGAGUUCGAU 58
chr-B03.trna12-Thr-CGT     GCUUCCGUAGCAUAGU--GGUAGUGCGUUCGCUUCGUAAGCGAAAGGUCGCGAGUUCGAU 58
chr-A10.trna67-Thr-CGT     GCCUUCGUAGCAUAGU--GGUACUGCGUUCGCUUCGUAAGCGAAAGGUCGCGAGUUCGAU 58
chr-B09.trna52-Thr-GGT     GCCCUUUUAACUCAGU--GGUAGAGUAACACCAUGGUAAGGCGUAAGUCAUCGGUUCAAA 58
chr-B10.trna111-Thr-GGT    GCCCUUUUAACUCAGU--GGUAGAGUAACGCCAUGGUAAGGCGUAAGUCAUCGGUUCAAA 58
chr-A05.trna4-Thr-GGT      GCCCUUUUAACUCAGU--AGUAGAGUAGCGCCAUGGUAAGGCGUAAGUCAUCGGUUCAAA 58
chr-A08.trna2-Thr-GGT      GCCCUUUUAACUCAGU--GGUAGAGUAACGCCAUGGUAAGGCGUAAGUCAUCGGUUCAAA 58
chr-B01.trna12-Thr-AGT     GCUCUUGUAGCUCAGUUGGUUAGAACAUUUCUUUAGUAAGCAAGAAGUCUUGAGUUUGAC 60
chr-B03.trna34-Thr-AGT     GCUCUUGUAGCUCAGUUUGUUAGAACAUUUCUUUAGUAAGUAGGAAGUCUUGAGUUCGAC 60
chr-B06.trna277-Thr-AGT    GCUCUUGUAGCUCAGUUGGUUAGAGCACCUGUUUAGUAAGCGGGAGGUCUUGAGUUUGAC 60
chr-A02.trna101-Thr-AGT    GCUUUCAUAGCUCAGUUGGUUAGAGCACCGUUUAGUAAGCGGGAGGUCUUGAGUUCAAC 60
chr-B08.trna82-Thr-AGT     GCUCUUGUAGCUCAGUUGGUUAGAGCACCGUUUAGUAAGCGGGAGGUCUUGAGUUCAAC 60
chr-A01.trna16-Thr-AGT     GCUUUCGUAGCUCAGUUGGUUAGAGCACCGUUUAGUAAGCGGGAGGUCUUGAGUUCGAC 60
chr-A06.trna40-Thr-AGT     GCUCUCGUAGCUCAGUUGGUUAGAGCACCGUUUAGUAAGCGGGAGGUCUUGAGUUCGAC 60
chr-A06.trna73-Thr-AGT     GCUCUCGUAGCUCAGUUGGUUAGAGCACCGUUUAGUAAGCGGGAGGUCUUGAGUUCGAC 60
chr-A09.trna97-Thr-AGT     GCUUUCGUAGCUCAGUUGGUUAGAGCACCGUUUAGUAAGCGGGAGGUCUUGAGUUCGAC 60
chr-B01.trna146-Thr-AGT    GCUCUUGUAGCUCAGUUGGUUAGAGCACCGUUUAGUAAGCGGGAGGUCUUGAGUUCGAC 60
chr-B04.trna7-Thr-AGT      GCUCUUGUAGCUCAGUUGGUUAGAGCACCGUUUAGUAAGCGGGAGGUCUUGAGUUCGAC 60
chr-B06.trna139-Thr-AGT    GCUCUCGUAGCUCAGUUGGUUAGAGCACCGUUUAGUAAGCGGGAGGUCUUGAGUUCGAC 60
chr-B06.trna291-Thr-AGT    GCUCUCGUAGCUCAGUUGGUUAGAGCACCGUUUAGUAAGCGGGAGGUCUUGAGUUCGAC 60
chr-A03.trna24-Thr-AGT     GCUUUCAUAGCUCAGUUGGUUAGAGCACCGUUUAGUAAGCGGGAGGUCUUGAGUUCGAC 60
chr-A04.trna37-Thr-AGT     GCUUUCAUAGCUCAGUUGGUUAGAGCACCGUUUAGUAAGCGGGAGGUCUUGAGUUCGAC 60
chr-B04.trna216-Thr-AGT    GCUUUCAUAGCUCAGUUGGUUAGAGCACCGUUUAGUAAGCGGGAGGUCUUGAGUUCGAC 60
chr-A10.trna57-Thr-AGT     GCUCUUGUAGCUCAGUUGGUUAGAGCACCGUUUAGUAAGCGGGAGGUCUUGAGUUCGAC 60
chr-B10.trna9-Thr-AGT      GCUCUUGUAGUUCAGUUGGUUAGAGCACCGUUUAGUAAGCGGGAGGUCUUGAGUUCGAC 60
chr-B03.trna132-Thr-AGT    GCUUUCGUAGCUCAGUUGGUUAGAGCACCGUUUAGUAAGCGGGAGGUCUUGAGUUCGAU 60
chr-B04.trna209-Thr-AGT    GCUCUCGUAGCUCAGUUGGUUAGAGCACCGUUUAGUAAGCGGGAGGUCUUGAGUUCGAC 60
chr-B10.trna98-Thr-AGT     GCUCUCGUAGCUCAGUUGGUUAGAGCACCGUUUAGUAAGUGGGAGGUUUGAGUUCGAC 60
chr-B03.trna261-Thr-AGT    GCUUUGGUAGCUCAGUUGGUUAGAGCACCGUUUAGUAAGCGGGAGGUUUGAGUUCAAC 60
chr-A06.trna84-Thr-AGT     GCUCUCGUAGCUCAGUUCGUUAGAGCACCUGUUUAGUAAGCGGGAGGUCUUGAGUUCGAC 60
chr-B02.trna3-Thr-AGT      GCUCUCGUAGCUCAGUUGGUUAGAGCACCUGUUUAGUAAGUGGGAGGUCUUGAGUUCGAC 60
chr-B06.trna272-Thr-AGT    GUUCUUGUAGCUUAGUUGGUUAGAACAUUUGUUUAGUAAACAGGAAGUCUUGAGUUCGAC 60
chr-B05.trna56-Thr-AGT     ACUCUUGUAGCUUAGUUGGUUAGAGCAUUUGUUUAGUAAGUAGGAAGUCUUGAGUUCGGC 60
chr-A02.trna27-Thr-TGT     GCCUGCUUAGCUCAGA-GGUUAGAGCAUCGCAUUUGUAAUGCGAUGGUCAUCGGUUCGAU 59
chr-A07.trna106-Thr-TGT    GCUUGCUUAGCCCAGA-GGUUAGAGCAUCGCAUUUGUAAUGCGAUGGUCAUCCGUUCGAU 59
chr-A03.trna131-Thr-TGT    GCCUGCUUAGCUCAGA-GGUUAGAGCAUCACAUUUGUAAUGCGAUGGUCAUCGGUUCGAU 59
chr-A09.trna39-Thr-TGT     GCCUGCUUAGCUCAGA-GGUUAGAGCAUCGCAUUUGUAAUGCGAUGGUCAUCGAUUCGAU 59
chr-A09.trna54-Thr-TGT     GCCUGCUUAGCUCAGA-GGUUAGAGCAUCGCAUUUGUAACGCGAUGGUCAUCGGUUCGAU 59
chr-A09.trna15-Thr-TGT     GCCUGCUUAGCUCAGA-GGUUAGAGAAUCGCAUUUGUAAUGCGAUGGUCAUCGGUUCGAU 59
chr-A08.trna20-Thr-TGT     GCCUGCUUAGCUCAGA-GGUUAGAGCAUCGCAUUUGUAAUGCGAUGGUCAUCGGUUCGAU 59
chr-A01.trna4-Thr-TGT      GCCUGCUUAGCUCAGA-GGUUAGAGCAUCGCAUUUGUAAUGCGAUGGUCAUCGGUUCGAU 59
                           .........10........20........30........40........50.........
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                           .)))))))))))).......).
chr-B03.trna142-Thr-TGT    CCUGCGUGAUGG-------CA 72
chr-B03.trna143-Thr-TGT    CCUGCGUGAGGG-------CA 72
chr-A03.trna86-Thr-TGT     CCUGCGUGAGGG-------CA 72
chr-B05.trna125-Thr-TGT    CCUGCGUGGGGG-------CA 72
chr-B08.trna106-Thr-TGT    CCUGCGUGGGGG-------CA 72
chr-A03.trna87-Thr-TGT     CCUGCGUGAGGG-------CA 72
chr-A08.trna26-Thr-TGT     CCUGCGUGGGGG-------CA 72
chr-A05.trna40-Thr-TGT     CCUGCGUGGGGG-------CA 72
chr-A01.trna89-Thr-TGT     CCUGCAUGGCGG-------CA 72
chr-A10.trna17-Thr-TGT     CCUGCAUGGGGG-------CA 72
chr-B01.trna53-Thr-TGT     CCUGCAUGGGGG-------CA 72
chr-B10.trna203-Thr-TGT    CCUGCAUGGGGG-------CA 72
chr-B04.trna211-Thr-TGT    CCUGCAUGGGGG-------CA 72
chr-B02.trna172-Thr-TGT    CCUGCAUGGGGG-------CA 72
chr-B10.trna125-Thr-CGT    CCUCGCCGGGGG-------CU 72
chr-A01.trna115-Thr-CGT    CCUCGCCGGGGG-------CU 72
chr-A03.trna11-Thr-CGT     CCUCGCCGGGAG-------CU 72
chr-B01.trna114-Thr-CGT    CCUCGCCGGGGG-------CU 72
chr-B03.trna12-Thr-CGT     CCUCGCCGGGAG-------CU 72
chr-A10.trna67-Thr-CGT     UCUCGCCGGGGG-------CU 72
chr-B09.trna52-Thr-GGT     UCCGAUAAGGGG-------CU 72
chr-B10.trna111-Thr-GGT    UCUGAUAAGGGG-------CU 72
chr-A05.trna4-Thr-GGT      UCUGAUAAGGGA-------CU 72
chr-A08.trna2-Thr-GGT      UCCGAUAAGGGA-------CU 72
chr-B01.trna12-Thr-AGT     UCUCAAUAAGAG-------CA 74
chr-B03.trna34-Thr-AGT     UUUCAAUAAGAG-------CA 74
chr-B06.trna277-Thr-AGT    UCUCAACGAGAG-------CA 74
chr-A02.trna101-Thr-AGT    UCUCAAUGAAAG-------CA 74
chr-B08.trna82-Thr-AGT     UCUCAACGAGAG-------CA 74
chr-A01.trna16-Thr-AGT     UCUCAACGAGAG-------CA 74
chr-A06.trna40-Thr-AGT     UCUCAACGAGAG-------CA 74
chr-A06.trna73-Thr-AGT     UCUCAACGAGAG-------CA 74
chr-A09.trna97-Thr-AGT     UCUCAACGAAAG-------CA 74
chr-B01.trna146-Thr-AGT    UCUCAACGAGAG-------CA 74
chr-B04.trna7-Thr-AGT      UCUCAACAAGAG-------CA 74
chr-B06.trna139-Thr-AGT    UCUCAACGAGAG-------CA 74
chr-B06.trna291-Thr-AGT    UCUCAACGAGAG-------CA 74
chr-A03.trna24-Thr-AGT     UCUCAAUGAAAG-------CA 74
chr-A04.trna37-Thr-AGT     UCUCAAUGAAAG-------CA 74
chr-B04.trna216-Thr-AGT    UCUCAAUGAAAG-------CA 74
chr-A10.trna57-Thr-AGT     UCUCAAUGAGAG-------UA 74
chr-B10.trna9-Thr-AGT      UCUCAAUAAGAG-------CA 74
chr-B03.trna132-Thr-AGT    UCUCAACGAAAG-------CA 74
chr-B04.trna209-Thr-AGT    UCUCAACAAGAG-------UA 74
chr-B10.trna98-Thr-AGT     UCUCAACAAGAG-------UA 74
chr-B03.trna261-Thr-AGT    UCUCAACGAAAG-------UA 74
chr-A06.trna84-Thr-AGT     UCUCAACGAGAG-------CA 74
chr-B02.trna3-Thr-AGT      UCUCAACGAGAG-------CA 74
chr-B06.trna272-Thr-AGT    UCUCAAUAAGAG-------UA 74
chr-B05.trna56-Thr-AGT     UCUAAAUAAGAG-------CA 74
chr-A02.trna27-Thr-TGT     UCUAAUAGCCGG-------CU 73
chr-A07.trna106-Thr-TGT    UCUGAUAGCUAG-------CU 73
chr-A03.trna131-Thr-TGT    UCCGAUAGCCGG-------CU 73
chr-A09.trna39-Thr-TGT     UCCGAUAGCCGG-------CU 73
chr-A09.trna54-Thr-TGT     UCCGAUAGCCGG-------CU 73
chr-A09.trna15-Thr-TGT     UCCGAUAGCCGG-------CU 73
chr-A08.trna20-Thr-TGT     UCCGAUAGCCAG-------CU 73
chr-A01.trna4-Thr-TGT      UCCGAUAGCCCGAGUCGGACA 80
                           .........70........80
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