```
                                 ((((((..((((.........)))).(((((((...)))))))).....(((((.....
chr-B05.trna90-Thr-AGT    ACUCUUGUAGCUUAGUUGGUUAGAGCAUUGUUUAGUAAGUAGGAAGUCUGAGUUCGGC 60
chr-B09.trna10-Thr-AGT    GCUCUUGUAGCUCAGUUUGUUAGAACAUUUCUUUAGUAAGUAGGAAGUCUGAGUUCGAC 60
chr-B01.trna8-Thr-AGT     GCUCUUGUAGCUCAGUUGGUUAGAACAUUUCUUUAGUAAGCAAGAAGUCUUGAGUUUGAC 60
chr-A04.trna3-Thr-AGT     GCUCUCGUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUGAGUUCGAC 60
chr-B03.trna113-Thr-AGT   GCUUUCGUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUGAGUUCAAC 60
chr-B03.trna142-Thr-AGT   GCUUUCAUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUGAGUUCAAC 60
chr-A06.trna57-Thr-AGT    GCUCUCGUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUGAGUUCGAC 60
chr-B04.trna10-Thr-AGT    GCUCUUGUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUGAGUUCGAC 60
chr-B09.trna102-Thr-AGT   GCUUUCGUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUGAGUUCGAC 60
chr-B06.trna162-Thr-AGT   GCUCUCGUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUGAGUUCGAC 60
chr-B09.trna100-Thr-AGT   GCUUUCGUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUGAGUUCGAC 60
chr-B09.trna99-Thr-AGT    GCUUUCGUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUGAGUUCGAC 60
chr-B09.trna97-Thr-AGT    GCUUUCGUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUGAGUUCGAC 60
chr-B03.trna85-Thr-AGT    GCUUUCAUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUGAGUUCGAC 60
chr-B04.trna158-Thr-AGT   GCUUUCAUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUGAGUUCGAC 60
chr-B04.trna160-Thr-AGT   GCUUUCAUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUGAGUUCGAC 60
chr-A10.trna21-Thr-AGT    GCUCUUGUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUGAGUUCGAC 60
chr-B06.trna81-Thr-AGT    GCUCUCGUAGCUCAGUUGGUUAGAACACCCGUUUAGUAAGCGGGAGGUCUUGAGUUCGAC 60
chr-B09.trna98-Thr-AGT    GCUUUCGUAGCUCAGUUGGUUAGAACACCCGUUUAGUAAGCGGGAGGUCUUGAGUUCGAC 60
chr-B09.trna101-Thr-AGT   GCUUUCGUAGCUCAGUUGGUUAGAACACCCGUUUAGUAAGCGGGAGGUCUUGAGUUCGAC 60
chr-B10.trna150-Thr-AGT   GCUCUUGUAGCUCAGUUGGUUAGAACACCCGUUUAGUAAGCGGGAGGUCUUGAGUUCGAC 60
chr-B03.trna112-Thr-AGT   GCUUUCGUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUGAGUUCGAU 60
chr-A04.trna72-Thr-AGT    GCUCUUGUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUGCGUUCGAC 60
chr-B04.trna151-Thr-AGT   GCUCUCGUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUGAGUUCGAC 60
chr-B10.trna110-Thr-AGT   GCUCUCGUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGUGGGAGGUUUUGAGUUCGAC 60
chr-B06.trna150-Thr-AGT   GUUCUUGUAGCUUAGUUGGUUAGAACAUUUGUUUAGUAAACAGGAAGUCUUGAGUUCGAC 60
chr-A01.trna89-Thr-TGT    GCCCCUAUAGCUCAGU--GGUAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCGAU 58
chr-A01.trna15-Thr-TGT    GCCCCUAUAGCUCAGU--GGUAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCGAU 58
chr-A01.trna16-Thr-TGT    GCCCCUAUAGCUCAGU--GGUAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCGAU 58
chr-A04.trna2-Thr-TGT     GCCCCUAUAGCUCAGU--GGUAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCGAU 58
chr-B10.trna41-Thr-TGT    GCCCCUAUAGCUCAGU--GGUAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCGAU 58
chr-A10.trna61-Thr-TGT    GCCCCUAUAGCUCAGU--GGUAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCGAU 58
chr-B02.trna138-Thr-TGT   GCCCCUAUAGCUCAGU--GGUAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCGAU 58
chr-B04.trna12-Thr-TGT    GCCCCUAUAGCUCAGU--GGUAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCGAU 58
chr-B08.trna1-Thr-TGT     GCCCCUAUAGCUCAGU--GGUAGAGCGUCAGUCUUGUAAACUGAAGGUCCGUAGUUCGAU 58
chr-B03.trna13-Thr-TGT    GCUCUUAUAGCUCAGU--GGUAGAGCGUCAGUCUUGUAAACUGAAGGUCCGUAGUUCGAU 58
chr-B03.trna9-Thr-TGT     GCCCUUAUAGCUCAGU--GGUAGAGCGUCAGUCUUGUAAACUGAAGGUCCGUAGUUCGAU 58
chr-A05.trna26-Thr-TGT    GCCCCUAUAGCUCAGU--GGUAGAGCGUCAGUCUUGUAAACUGAAGGUCCGUAGUUCGAU 58
chr-B03.trna10-Thr-TGT    GCCCCUAUAGCUCAGU--GGUAGAGCGUCAGUCUUGUAAACUGAAGGUCCGUAGUUCGAU 58
chr-B03.trna12-Thr-TGT    GCCCUUAUAGCUCAGU--GGUAGAGCGUCAGUCUUGUAAACUGAAGGUCCGUAGUUCGAU 58
chr-A01.trna37-Thr-CGT    GCCUCCGUAGCAUAGU--GGUAGUGCGUUCGCUUCGUAAGCGAAAGGUCGCGAGUUCGAU 58
chr-A10.trna34-Thr-CGT    GCCUCCGUAGCAUAGU--GGUAGUGCGUUCGCUUCGUAAGCGAAAGGUCGCGAGUUCGAU 58
chr-B01.trna67-Thr-CGT    GCCUCCGUAGCAUAGU--GGUAGUGCGUUCGCUUCGUAAGCGAAAGGUCGCGAGUUCGAU 58
chr-B03.trna130-Thr-CGT   GCUUCCGUAGCAUAGU--GGUAGUGCGUUCGCUUCGUAAGCGAAAGGUCGCGAGUUCGAU 58
chr-B10.trna86-Thr-CGT    GCUUCCGUAGCAUAGU--GGUAGUGCGUUCGCUUCGUAAGCGAAAGGUCGCGAGUUCGAU 58
chr-A01.trna25-Thr-GGT    GCCCUUUUAACUCAGU--GGUAGAGUAACGCCAUGGUAAGGCGUAAGUCAUCGGUUCAAA 58
chr-A01.trna72-Thr-GGT    GCCCUUUUAACUCAGU--GGUAGAGUAACGCCAUGGUAAGGCGUAAGUCAUCGGUUCAAA 58
chr-A01.trna73-Thr-GGT    GCCCUUUUAACUCAGU--GGUAGAGUAACGCCAUGGUAAGGCGUAAGUCAUCGGUUCAAA 58
chr-B02.trna94-Thr-GGT    GCCCUUUUAACUCAGU--GGUAGAGUAACGCCAUGGUAAGGCGUAAGUCAUCGGUUCAAA 58
chr-B01.trna121-Thr-GGT   GCCCUUUUAACUCAGU--GGUAGAGUAACGCCAUGGUAAGGCGUAAGUCAUCGGUUCAAA 58
chr-B10.trna79-Thr-GGT    GCCCUUUUAACUCAGU--GGUAGAGUAACGCCAUGGUAAGGCGUAAGUCAUCGGUUCAAA 58
chr-B09.trna39-Thr-GGT    GCCCUUUUAACUCAGU--GGUAGAGUAACACCAUGGUAAGGCGUAAGUCAUCGGUUCAAA 58
chr-A05.trna54-Thr-GGT    GCCCUUUUAACUCAGU--AGUAGAGUAGCGCCAUGGUAAGGCGUAAGUCAUCGGUUCAAA 58
chr-A08.trna4-Thr-GGT     GCCCUUUUAACUCAGU--GGUAGAGUAACGCCAUGGUAAGGCGUAAGUCAUCGGUUCAAA 58
chr-B01.trna86-Thr-TGT    GCCUGCUUAGCUCAGA-GGUUAGAGCAUCGCAUUUGUAAUGCGAUGGUCAUCGGUUCGAU 59
chr-A02.trna33-Thr-TGT    GCCUGCUUAGCUCAGA-GGUUAGAGCAUCGCAUUUGUAAUGCGAUGGUCAUCGGUUCGAU 59
chr-A07.trna35-Thr-TGT    GCUUGCUUAGCCCAGA-GGUUAGAGCAUCGCAUUUGUAAUGCGAUGGUCAUCCGUUCGAU 59
chr-A03.trna41-Thr-TGT    GCCUGCUUAGCUCAGA-GGUUAGAGCAUCACAUUUGUAAUGCGAUGGUCAUCGGUUCGAU 59
chr-A04.trna25-Thr-TGT    GCCUGCUUAGCUCAGA-GGUUAGAGCAUCGCAUUUGUAAUGCGAUGGUCAUCGGUUCGAU 59
chr-B10.trna111-Thr-TGT   GCCUGCUUAGCUCAGA-GGUUAGAGCAUCGCAUUUGUAAUGCGAUGGUCAUCGGUUCGAU 59
chr-B10.trna112-Thr-TGT   GCCUGCUUAGCUCAGA-GGUUAGAGAAUCGCAUUUGUAAUGCGAUGGUCAUCGGUUCGAU 59
chr-B07.trna31-Thr-TGT    GCCUGCUUAGCUCAGA-GGUUAGAGCAUCGCAUUUGUAAUGCGAUGGUCAUC-GUUCGAU 58
                          .........10........20........30........40........50.........
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                                 .)))))))))))).......).
chr-B05.trna90-Thr-AGT    UCUAAAUAAGAG-------CA 74
chr-B09.trna10-Thr-AGT    UUUCAAUAAGAG-------CA 74
chr-B01.trna8-Thr-AGT     UCUCAAUAAGAG-------CA 74
chr-A04.trna3-Thr-AGT     UCUCAACGAGAG-------CA 74
chr-B03.trna113-Thr-AGT   UCUCAACGAAAG-------UA 74
chr-B03.trna142-Thr-AGT   UCUCAAUGAAAG-------CA 74
chr-A06.trna57-Thr-AGT    UCUCAACGAGAG-------CA 74
chr-B04.trna10-Thr-AGT    UCUCAACAAGAG-------CA 74
chr-B09.trna102-Thr-AGT   UCUCAACGAAAG-------CA 74
chr-B06.trna162-Thr-AGT   UCUCAACGAGAG-------CA 74
chr-B09.trna100-Thr-AGT   UCUCAACGAAAG-------CA 74
chr-B09.trna99-Thr-AGT    UCUCAACGAAAG-------CA 74
chr-B09.trna97-Thr-AGT    UCUCAACGAAAG-------CA 74
chr-B03.trna85-Thr-AGT    UCUCAAUGAAAG-------CA 74
chr-B04.trna158-Thr-AGT   UCUCAAUGAAAG-------CA 74
chr-B04.trna160-Thr-AGT   UCUCAAUGAAAG-------CA 74
chr-A10.trna21-Thr-AGT    UCUCAAUGAGAG-------UA 74
chr-B06.trna81-Thr-AGT    UCUCAACGAGAG-------CA 74
chr-B09.trna98-Thr-AGT    UCUCAACGAAAG-------CA 74
chr-B09.trna101-Thr-AGT   UCUCAACGAAAG-------CA 74
chr-B10.trna150-Thr-AGT   UCUCAAUAAGAG-------CA 74
chr-B03.trna112-Thr-AGT   UCUCAACGAAAG-------CA 74
chr-A04.trna72-Thr-AGT    UCUCAACAAGAG-------CA 74
chr-B04.trna151-Thr-AGT   UCUCAACAAGAG-------CA 74
chr-B10.trna110-Thr-AGT   UCUCAACAAGAG-------UA 74
chr-B06.trna150-Thr-AGT   UCUCAAUAAGAG-------UA 74
chr-A01.trna89-Thr-TGT    CCUGCAUGGCGG-------CA 72
chr-A01.trna15-Thr-TGT    CCUGCAUGGCGG-------CA 72
chr-A01.trna16-Thr-TGT    CCUGCAUGGGGG-------CA 72
chr-A04.trna2-Thr-TGT     CCUGCAUGGGGG-------CA 72
chr-B10.trna41-Thr-TGT    CCUGCAUGGGGG-------CA 72
chr-A10.trna61-Thr-TGT    CCUGCAUGGGGG-------CA 72
chr-B02.trna138-Thr-TGT   CCUGCAUGGGGG-------CA 72
chr-B04.trna12-Thr-TGT    CCUGCAUGGGGG-------CA 72
chr-B08.trna1-Thr-TGT     CCUGCGUGGGGG-------CA 72
chr-B03.trna13-Thr-TGT    CCUGCGUGAGGG-------CA 72
chr-B03.trna9-Thr-TGT     CCUGCGUGAGGG-------CA 72
chr-A05.trna26-Thr-TGT    CCUGCGUGGGGG-------CA 72
chr-B03.trna10-Thr-TGT    CCUGCGUGAGGG-------CA 72
chr-B03.trna12-Thr-TGT    CCUGCGUGAUGG-------CA 72
chr-A01.trna37-Thr-CGT    CCUCGCCGGGGG-------CU 72
chr-A10.trna34-Thr-CGT    CCUCGCCGGGGG-------CU 72
chr-B01.trna67-Thr-CGT    CCUCGCCGGGGG-------CU 72
chr-B03.trna130-Thr-CGT   CCUCGCCGGGAG-------CU 72
chr-B10.trna86-Thr-CGT    CCUCGCCGGGGG-------CU 72
chr-A01.trna25-Thr-GGT    UCCGAUAAGGGG-------CU 72
chr-A01.trna72-Thr-GGT    UCCGAUAAGGGG-------CU 72
chr-A01.trna73-Thr-GGT    UCCGAUAAGGGG-------CU 72
chr-B02.trna94-Thr-GGT    UCCGAUAAGGGG-------CU 72
chr-B01.trna121-Thr-GGT   UCCGAUAAGGGG-------CU 72
chr-B10.trna79-Thr-GGT    UCUGAUAAGGGG-------CU 72
chr-B09.trna39-Thr-GGT    UCCGAUAAGGGG-------CU 72
chr-A05.trna54-Thr-GGT    UCUGAUAAGGGA-------CU 72
chr-A08.trna4-Thr-GGT     UCCGAUAAGGGA-------CU 72
chr-B01.trna86-Thr-TGT    UCCGAUAGCCCGAGUCGGACA 80
chr-A02.trna33-Thr-TGT    UCUAAUAGCCGG-------CU 73
chr-A07.trna35-Thr-TGT    UCUGAUAGCUAG-------CU 73
chr-A03.trna41-Thr-TGT    UCCGAUAGCCGG-------CU 73
chr-A04.trna25-Thr-TGT    UCCGAUAGCCGG-------CU 73
chr-B10.trna111-Thr-TGT   UCCGAUAGCCGG-------CU 73
chr-B10.trna112-Thr-TGT   UCCGAUAGCCGG-------UU 73
chr-B07.trna31-Thr-TGT    UC-AAUAGCCGG-------CU 71
                          .........70........80
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