```
                                .(((((((..(((.........)))(((((((.......)))))))(((....)))))..(
chr-B1.trna66-Ser-TGA     -GUCCAUAUGUUCCAGUGAUCAAGGAGAUAGAUUUGAAAUCUGUUGGGUUUUCACCCGCG 59
chr-B2.trna8-Ser-TGA      -GUCAAUAUGUCCUAGUGGUUAAGGAGACAGGCUUGAAAUCUGUUGGGCUUU-GCCCGCG 58
chr-B2.trna22-Ser-TGA     AGUCAAUAUGUCCAGGUGGUUAAAGAGACGGAUUUGAAAUCUGUUGGGCUUC-GCCCGUG 59
chr-B1.trna46-Ser-TGA     -GUCAAUAUGUCCGAGUGGUUAAGGAGACAGACUUGAAAUCUGUUGGGCUUC-GCCCGCG 58
chr-B2.trna80-Ser-TGA     -GUCGAUAUGUCCGAGUGGUUAAGGAGACAGACUUGAAAUCUGUUGGGCUUC-GCCCGCG 58
chr-B3.trna109-Ser-TGA    -GUCGAUAUGUCCGAGUGGUUAAGGAGACAGACUUGAAAUCUGUUGGGCUUC-GCCCGCG 58
chr-B5.trna114-Ser-TGA    -GUCGAUAUGUCCGAGUGGUUAAGGAGACAGACUUGAAAUCUGUUGGGCUUC-GCCCGCG 58
chr-B2.trna4-Ser-TGA      -GUCAAUAUGUCCGAGUGGUUAAGGAGACAGACUUGAAAUCUGUUGGGCUUC-GCCCGCG 58
chr-B7.trna178-Ser-TGA    -GUCAAUAUGUCCGAGUGGUUAAGGAGACAGACUUGAAAUCUGUUGGGCUUC-GCCCGCG 58
chr-B5.trna117-Ser-TGA    -GUCAAUAUGUCCGAGUGGUUAAGGAGACAGACUUGAAAUCUGUUGGGCUUC-GCCCGCG 58
chr-B8.trna38-Ser-TGA     -GUCGAUAUGUCCGAGUGGUUAAGGAGAUAGACUUGAAAUCUAUUGGGCUUC-GCCCGCG 58
chr-B1.trna44-Ser-TGA     -GUCGAUAUUUCCGAGUGGUUAAGGAGACAGACUUGAAAUCUGUUGGGCUUC-GCCCGCG 58
chr-B8.trna17-Ser-CGA     -GUCGAUAUGUCCGAGUGGUUAAGGAGAUUGACUCGAAAUCAAUUGGGCUUU-GCCCGCG 58
chr-B2.trna116-Ser-CGA    -GUCGAUAUGUCCGAGUGGUUAAGGAGAUUGACUCGAAAUCAAUUGGGCUUU-GCCCGCG 58
chr-B2.trna120-Ser-CGA    -GUCGAUAUGUCCGAGUGGUUAAGGAGAUUGACUCGAAAUCAAUUGGGCUUU-GCCCGCG 58
chr-B3.trna38-Ser-CGA     -GUCGAUAUGUCCGAGUGGUUAAGGAGAUUGACUCGAAAUCAAUUGGGCUUU-GCCCGCG 58
chr-B3.trna41-Ser-CGA     -GUCGAUAUGUCCGAGUGGUUAAGGAGAUUGACUCGAAAUCAAUUGGGCUUU-GCCCGCG 58
chr-B5.trna76-Ser-CGA     -GUCAAUAUGUCCGAGUGGUUAAGGAGAUUGACUCGAAAUCAAUUGGGCUUU-GCCCGCG 58
chr-B4.trna49-Ser-GCT     -GUCGCUUUGGCCGAGUGGUUAAGGCGUGUGCCUGCUAAGUACAUGGGCUCU-GCCCGCG 58
chr-B1.trna98-Ser-GCT     -GUCGCUUUGGCCGAGUGGUUAAGGCGUGUGCCUGCUAAGUACAUGGGGUUU-CCCUGCG 58
chr-B7.trna68-Ser-GCT     -GUCGCUUUGGCCGAGUGGUUAAGGCGUGUGCCUGCUAAGUACAUGGGAUUU-UCCCGCC 58
chr-B1.trna41-Ser-GCT     -GUCGCUUUGGCCGAGUGGUUAAGGCGUGUGCCUGCUAAGUACAUGGGGUUU-CCCCGCG 58
chr-B2.trna97-Ser-GCT     -GUCGCUUUGGCCGAGUGGUUAAGGCGUGUGCCUGCUAAGUACAUGGGGUUU-CCCCGCG 58
chr-B2.trna109-Ser-GCT    -GUCGCUUUGGCCGAGUGGUUAAGGCGUGUGCCUGCUAAGUACAUGGGGUUU-CCCCGCG 58
chr-B2.trna138-Ser-GCT    -GUCGCUUUGGCCGAGUGGUUAAGGCGUGUGCCUGCUAAGUACAUGGGGUUU-CCCCGCG 58
chr-B3.trna51-Ser-GCT     -GUCGCUUUGGCCGAGUGGUUAAGGCGUGUGCCUGCUAAGUACAUGGGGUUU-CCCCGCG 58
chr-B8.trna34-Ser-GCT     -GUCGCUUUGGCCGAGUGGUUAAGGCGUGUGCCUGCUAAGUACAUGGGGUUU-CCCCGCG 58
chr-B8.trna27-Ser-GCT     -GUCGCUUUGGCCGAGUGGUUAAGGCGUGUGCCUGCUAAGUACAUGGGGUUU-CCCCGCG 58
chr-B3.trna135-Ser-GCT    -GUCGCUUUGGCCGAGUGGUUAAGGCGUGUGCCUGCUAAGUACAUGGGGUUU-CCCCGCG 58
chr-B4.trna42-Ser-GCT     -GUCGCUUUGGCCGAGUGGUUAAGGCGUGUGCCUGCUAAGUACAUGGGGUUU-CCCCGCG 58
chr-B4.trna70-Ser-GCT     -GUCGCUUUGGCCGAGUGGUUAAGGCGUGUGCCUGCUAAGUACAUGGGGUUU-CCCCGCG 58
chr-B4.trna83-Ser-GCT     -GUCGCUUUGGCCGAGUGGUUAAGGCGUGUGCCUGCUAAGUACAUGGGGUUU-CCCCGCG 58
chr-B4.trna117-Ser-GCT    -GUCGCUUUGGCCGAGUGGUUAAGGCGUGUGCCUGCUAAGUACAUGGGGUUU-CCCCGCG 58
chr-B5.trna58-Ser-GCT     -GUCGCUUUGGCCGAGUGGUUAAGGCGUGUGCCUGCUAAGUACAUGGGGUUU-CCCCGCG 58
chr-B4.trna128-Ser-GCT    -GUCGCUUUGGCCGAGUGGUUAAGGCGUGUGCCUGCUAAGUACAUGGGGUUU-CCCCGCG 58
chr-B3.trna21-Ser-GCT     -GUCGCUUUGGCCGAGUGGUUAAGGCGUGUGCCUGCUAAGUACAUGGGAUUU-UCCCGCG 58
chr-B3.trna23-Ser-GCT     -GUCGCUUUGGCCGAGUGGUUAAGGCGUGUGCCUGCUAAGUACAUGGGAUUU-UCCCGCG 58
chr-B5.trna53-Ser-GCT     -GUCGCUUUGGCCGAGUGGUUAAGGCGUGUGCCUGCUAAGUACAUGGGAUUU-UCCCGCG 58
chr-B7.trna64-Ser-GCT     -GUCGCUUUGGCCGAGUGGUUAAGGCGUGUGCCUGCUAAGUACAUGGGCUCU-GCCCGCG 58
chr-B5.trna66-Ser-GCT     -GUCGCUUUGGCCGAGUGGUUAAGGCGUGUGCCUGCUAAGUACAUGGGCUCU-GCCCGCG 58
chr-B7.trna103-Ser-AGA    -GUAGACGUGCCGGAGUGGUUAUCGGGCAUGACUAGAAAUCAUGUGGGCUUU-GCCCGCG 58
chr-B1.trna67-Ser-AGA     -GUGGACGUGCCGGAGUGGUUAUCGGGCAUGACUAGAAAUCAUGUGGGCUUU-GCCCGCG 58
chr-B2.trna2-Ser-AGA      -GUGGACGUGCCGGAGUGGUUAUCGGGCAUGACUAGAAAUCAUGUGGGCUUU-GCCCGCG 58
chr-B2.trna23-Ser-AGA     -GUGGACGUGCCGGAGUGGUUAUCGGGCAUGACUAGAAAUCAUGUGGGCUUU-GCCCGCG 58
chr-B3.trna76-Ser-AGA     -GUGGACGUGCCGGAGUGGUUAUCGGGCAUGACUAGAAAUCAUGUGGGCUUU-GCCCGCG 58
chr-B3.trna122-Ser-AGA    -GUGGACGUGCCGGAGUGGUUAUCGGGCAUGACUAGAAAUCAUGUGGGCUUU-GCCCGCG 58
chr-B4.trna24-Ser-AGA     -GUGGACGUGCCGGAGUGGUUAUCGGGCAUGACUAGAAAUCAUGUGGGCUUU-GCCCGCG 58
chr-B4.trna54-Ser-AGA     -GUGGACGUGCCGGAGUGGUUAUCGGGCAUGACUAGAAAUCAUGUGGGCUUU-GCCCGCG 58
chr-B4.trna80-Ser-AGA     -GUGGACGUGCCGGAGUGGUUAUCGGGCAUGACUAGAAAUCAUGUGGGCUUU-GCCCGCG 58
chr-B7.trna171-Ser-AGA    -GUGGACGUGCCGGAGUGGUUAUCGGGCAUGACUAGAAAUCAUGUGGGCUUU-GCCCGCG 58
chr-B6.trna78-Ser-AGA     -GUGGACGUGCCGGAGUGGUUAUCGGGCAUGACUAGAAAUCAUGUGGGCUUU-GCCCGCG 58
chr-B7.trna151-Ser-AGA    -GUGGACGUGCCGGAGUGGUUAUCGGGCAUGACUAGAAAUCAUGUGGGCUUU-GCCCGCG 58
chr-B7.trna131-Ser-AGA    -GUGGACGUGCCGGAGUGGUUAUCGGGCAUGACUAGAAAUCAUGUGGGCUUU-GCCCGCG 58
chr-B7.trna130-Ser-AGA    -GUGGACGUGCCGGAGUGGUUAUCGGGCAUGACUAGAAAUCAUGUGGGCUUU-GCCCGCG 58
chr-B7.trna87-Ser-AGA     -GUGGACGUGCCGGAGUGGUUAUCGGGCAUGACUAGAAAUCAUGUGGGCUUU-GCCCGCG 58
chr-B7.trna17-Ser-AGA     -GUGGACGUGCCGGAGUGGUUAUCGGGCAUGACUAGAAAUCAUGUGGGCUCU-GCCCGCG 58
chr-B6.trna19-Ser-AGA     -GUGGACGUGCCGGAGUGGUUAUCGGGCAUGACUAGAAAUCAUGUGGGCUUU-GCCCGCG 58
chr-B7.trna104-Ser-AGA    -GUGGGCGUGCCGGAGUGGUUAUCGGGCAUGACUAGAAAUCAUGUGGGCUUU-GCCCGCG 58
chr-B7.trna170-Ser-AGA    -GGAAACGUGCCGGAGUGGUUAUCGGGCAUGACUAGAAAUCAUGUGGGCUUU-GCCCGCG 58
chr-B4.trna52-Ser-GCT     CAGACCUU-ACCUCAGUUGAUAGAGCGGAAGACUGCUGAUCUUUAGG----------UCG 49
                                .........10........20........30........40........50.........
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                                ((((.......))))))))))...)..).
chr-B1.trna66-Ser-TGA     CAGGUUCAAAUUCUGUUGUUG---A--CA 83
chr-B2.trna8-Ser-TGA      CAGGUUCGAACCCUACUGUUGGGAA--UA 85
chr-B2.trna22-Ser-TGA     CAGGUUUGAACCCUGCUUU---GAU--GG 83
chr-B1.trna46-Ser-TGA     CAGGUUCGUACCCUGCUGUUG---A--CG 82
chr-B2.trna80-Ser-TGA     CAGGUUCGAACCCUGCUGUCG---A--CG 82
chr-B3.trna109-Ser-TGA    CAGGUUCGAACCCUGCUGUCG---A--CG 82
chr-B5.trna114-Ser-TGA    CAGGUUCGAACCCUGCUGUCG---A--CG 82
chr-B2.trna4-Ser-TGA      CAGGUUCGAACCCUGCUGUUG---A--CG 82
chr-B7.trna178-Ser-TGA    CAGGUUCGAACCCUGCUGUUG---A--CG 82
chr-B5.trna117-Ser-TGA    CAGGUUCGAACCCUGCUGUUG---A--CG 82
chr-B8.trna38-Ser-TGA     CAGGUUCGAACCCUGCUGUCG---A--CG 82
chr-B1.trna44-Ser-TGA     CAGGUUCGAACCCUGCUGUCG---A--CG 82
chr-B8.trna17-Ser-CGA     CAGGUUCGAAUCCUGCUGUCG---A--CG 82
chr-B2.trna116-Ser-CGA    CAGGUUCGAAUCCUGCUGUCG---A--CG 82
chr-B2.trna120-Ser-CGA    CAGGUUCGAAUCCUGCUGUCG---A--CG 82
chr-B3.trna38-Ser-CGA     CAGGUUCGAAUCCUGCUGUCG---A--CG 82
chr-B3.trna41-Ser-CGA     CAGGUUCGAAUCCUGCUGUCG---A--CG 82
chr-B5.trna76-Ser-CGA     CAGGUUCGAAUCCUGCUGUUG---A--CG 82
chr-B4.trna49-Ser-GCT     AGAGUUCGAAACUCUCAGGCG---A--CG 82
chr-B1.trna98-Ser-GCT     AGAGUUCGAAUCUCUCAGACG---A--CG 82
chr-B7.trna68-Ser-GCT     AGAGUUCGAAUCUCUCAGGCG---A--CG 82
chr-B1.trna41-Ser-GCT     AGAGUUCGAAUCUCUCAGGCG---A--CG 82
chr-B2.trna97-Ser-GCT     AGAGUUCGAAUCUCUCAGGCG---A--CG 82
chr-B2.trna109-Ser-GCT    AGAGUUCGAAUCUCUCAGGCG---A--CG 82
chr-B2.trna138-Ser-GCT    AGAGUUCGAAUCUCUCAGGCG---A--CG 82
chr-B3.trna51-Ser-GCT     AGAGUUCGAAUCUCUCAGGCG---A--CG 82
chr-B8.trna34-Ser-GCT     AGAGUUCGAAUCUCUCAGGCG---A--CG 82
chr-B8.trna27-Ser-GCT     AGAGUUCGAAUCUCUCAGGCG---A--CG 82
chr-B3.trna135-Ser-GCT    AGAGUUCGAAUCUCUCAGGCG---A--CG 82
chr-B4.trna42-Ser-GCT     AGAGUUCGAAUCUCUCAGGCG---A--CG 82
chr-B4.trna70-Ser-GCT     AGAGUUCGAAUCUCUCAGGCG---A--CG 82
chr-B4.trna83-Ser-GCT     AGAGUUCGAAUCUCUCAGGCG---A--CG 82
chr-B4.trna117-Ser-GCT    AGAGUUCGAAUCUCUCAGGCG---A--CG 82
chr-B5.trna58-Ser-GCT     AGAGUUCGAAUCUCUCAGGCG---A--CG 82
chr-B4.trna128-Ser-GCT    AGAGUUCGAAUCUCUCAGGCG---A--CG 82
chr-B3.trna21-Ser-GCT     AGAGUUCGAAUCUCUCAGGCG---A--CG 82
chr-B3.trna23-Ser-GCT     AGAGUUCGAAUCUCUCAGGCG---A--CG 82
chr-B5.trna53-Ser-GCT     AGAGUUCGAAUCUCUCAGGCG---A--CG 82
chr-B7.trna64-Ser-GCT     AGAGUUCGAAUCUCUCAGGCG---A--CG 82
chr-B5.trna66-Ser-GCT     AGAGUUCGAAUCUCUCAGGCG---A--CG 82
chr-B7.trna103-Ser-AGA    CAGGUUCGAAUCCUGCCGUUC---A--CG 82
chr-B1.trna67-Ser-AGA     CAGGUUCGAAUCCUGCCGUUC---A--CG 82
chr-B2.trna2-Ser-AGA      CAGGUUCGAAUCCUGCCGUUC---A--CG 82
chr-B2.trna23-Ser-AGA     CAGGUUCGAAUCCUGCCGUUC---A--CG 82
chr-B3.trna76-Ser-AGA     CAGGUUCGAAUCCUGCCGUUC---A--CG 82
chr-B3.trna122-Ser-AGA    CAGGUUCGAAUCCUGCCGUUC---A--CG 82
chr-B4.trna24-Ser-AGA     CAGGUUCGAAUCCUGCCGUUC---A--CG 82
chr-B4.trna54-Ser-AGA     CAGGUUCGAAUCCUGCCGUUC---A--CG 82
chr-B4.trna80-Ser-AGA     CAGGUUCGAAUCCUGCCGUUC---A--CG 82
chr-B7.trna171-Ser-AGA    CAGGUUCGAAUCCUGCCGUUC---A--CG 82
chr-B6.trna78-Ser-AGA     CAGGUUCGAAUCCUGCCGUUC---A--CG 82
chr-B7.trna151-Ser-AGA    CAGGUUCGAAUCCUGCCGUUC---A--CG 82
chr-B7.trna131-Ser-AGA    CAGGUUCGAAUCCUGCCGUUC---A--CG 82
chr-B7.trna130-Ser-AGA    CAGGUUCGAAUCCUGCCGUUC---A--CG 82
chr-B7.trna87-Ser-AGA     CAGGUUCGAAUCCUGCCGUUC---A--CG 82
chr-B7.trna17-Ser-AGA     CAGGUUCGAAUCCUGCCGUUC---A--CG 82
chr-B6.trna19-Ser-AGA     CAGGUUCGAAUCCUGCCGUUC---A--AG 82
chr-B7.trna104-Ser-AGA    CAGGUUCGAAUCCUAGCGCUC---A--CG 82
chr-B7.trna170-Ser-AGA    CAGGUUCGAAGCCUGCCGUUCAUGAUUUU 87
chr-B4.trna52-Ser-GCT     CUGGUUCAAUUCCGGCAGGGCG-----GA 73
                                .........70........80........
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