```
                                 (((((.(.....(((((........))))).(((((.......)))))).....(((((....
chr-3.trna373-Ala-AGC    GGGGAUG---UAGCUCAGAUGGUAGAGCACUUGCUUAGCAUGUGAGAGGUACGGGGGAUCU 57
chr-5.trna187-Ala-AGC    GGGGAUG---UAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGCAUGGGGAUCG 57
chr-3.trna372-Ala-AGC    GGGGAUG---UAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCG 57
chr-4.trna282-Ala-AGC    GGGGAUG---UAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCG 57
chr-5.trna351-Ala-AGC    GGGGAUG---UAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCG 57
chr-7.trna368-Ala-AGC    GGGGAUG---UAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCG 57
chr-2.trna460-Ala-AGC    GGGGAUG---UAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGAGGAUCG 57
chr-7.trna453-Ala-AGC    GGGGAUG---UAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUAUGGGGAUCG 57
chr-1.trna113-Ala-AGC    GGGGAUG---UAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUAUGGGGAUCG 57
chr-7.trna240-Ala-AGC    GGGGAUG---UAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUAUGGGGAUCG 57
chr-7.trna426-Ala-AGC    GGGGAUG---UAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUAUGGGGAUCG 57
chr-7.trna20-Ala-AGC     GGGGAUG---UAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUAUGGGGAUCG 57
chr-7.trna18-Ala-AGC     GGGGAUG---UAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUAUGGGGAUCG 57
chr-7.trna11-Ala-AGC     GGGGAUG---UAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUAUGGGGAUCG 57
chr-7.trna10-Ala-AGC     GGGGAUG---UAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUAUGGGGAUCG 57
chr-7.trna454-Ala-AGC    GGGGAUG---UAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUAUGGGGAUCG 57
chr-7.trna462-Ala-AGC    GGGGAUG---UAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUAUGGGGAUCG 57
chr-7.trna450-Ala-AGC    GGGGAUG---UAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUAUGGGGAUCG 57
chr-6.trna26-Ala-AGC     GGGGAUG---UAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUAUGGGGAUCG 57
chr-6.trna25-Ala-AGC     GGGGAUG---UAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUAUGGGGAUCG 57
chr-7.trna455-Ala-AGC    GGGGAUG---UAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUAUGGGGAUCG 57
chr-7.trna422-Ala-AGC    GGGGAUG---UAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUAUGGGGAUCG 57
chr-7.trna457-Ala-AGC    GGGGAUG---UAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUAUGGGGAUCG 57
chr-7.trna427-Ala-AGC    GGGGAUG---UAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUAUGGGGAUCG 57
chr-7.trna439-Ala-AGC    GGGGAUG---UAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUAUGGGGAUCG 57
chr-2.trna498-Ala-AGC    GGGGAUG---UAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUAUGGGGAUCG 57
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chr-7.trna452-Ala-AGC    GGGGAUG---UAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUAUGGGGAUCG 57
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chr-7.trna460-Ala-AGC    GGGGAUG---UAGCUCAGAUUUUAGAGCACUCGCUUAGCAUGCGAGAGGUAUGGGGAUCA 57
chr-5.trna208-Ala-AGC    GGGUAUG---UAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAUGUAUGGGAUCG 57
chr-7.trna425-Ala-AGC    GGGGAUG---UAGCUCAGAUGGUAGAGGGCUUGCUUAGCAUGCGAGAGGUAUGGGGGUCG 57
chr-7.trna461-Ala-AGC    GGGGAUG---UAGCUCAGAUGCUAGAGCGCUCGCUUAGCAUGCGAGAGAUAUGGGGAUCG 57
chr-2.trna188-Ala-CGC    GGGGGUG---UAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCG 57
chr-2.trna288-Ala-CGC    GGGGGUG---UAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCG 57
chr-2.trna289-Ala-CGC    GGGGGUG---UAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCG 57
chr-2.trna488-Ala-CGC    GGGGGUG---UAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCG 57
chr-4.trna292-Ala-CGC    GGGGGUG---UAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCG 57
chr-6.trna20-Ala-CGC     GGGGGUG---UAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCG 57
chr-6.trna22-Ala-CGC     GGGGGUG---UAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCG 57
chr-7.trna1-Ala-CGC      GGGGGUG---UAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCG 57
chr-7.trna347-Ala-CGC    GGGGGUG---UAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCG 57
chr-5.trna107-Ala-CGC    GGGGACG---UAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCG 57
chr-6.trna21-Ala-CGC     GGGGGUG---UAGCUCACAUGGUAGAGCGCCGCUUCGCAUGCGGGAGGCACGGGGUUCG 57
chr-2.trna290-Ala-CGC    GGGGGUG---UAGCUCAUAUGCUAGAGCGUUCGCUUCGCAUGCGAGAGGCACGGGGUUCG 57
chr-2.trna363-Ala-TGC    GGGGAUG---UAGCUCAAAAUGGUAGAGCGCCGCUUUGCAUGCGAGAGGCACGGGGUUCG 57
chr-1.trna247-Ala-TGC    GGGGAUG---UAGCUCAAAAUGGUAGAGCGCCGCUUUGCAUGCGGGAGGCACGGGGUUCG 57
chr-2.trna340-Ala-TGC    GGGGAUG---UAGCUCAAAAUGGUAGAGCGCCGCUUUGCAUGCGGGAGGCACGGGGUUCG 57
chr-3.trna15-Ala-TGC     GGGGAUG---UAGCUCAAAAUGGUAGAGCGCCGCUUUGCAUGCGGGAGGCACGGGGUUCG 57
chr-3.trna294-Ala-TGC    GGGGAUG---UAGCUCAAAAUGGUAGAGCGCCGCUUUGCAUGCGGGAGGCACGGGGUUCG 57
chr-5.trna507-Ala-TGC    GGGGAUG---UAGCUCAAAAUGGUAGAGCGCCGCUUUGCAUGCGGGAGGCACGGGGUUCG 57
chr-7.trna440-Ala-TGC    GGGGAUG---UAGCUCAAAAUGGUAGAGCGCCGCUUUGCAUGCGGGAGGCACGGGGUUCG 57
chr-5.trna508-Ala-TGC    GGGGAUG---UAGCUCAAAAUGGUAGAGCGCCGCUUUGCAUGCGGGAGGCACGGGGUUCG 57
chr-7.trna72-Ala-TGC     GGGGAUG---UAGCUCAAAAUGGUAGAGCGCCGCUUUGCAUGCGGGAGGCACGGGGUUCG 57
chr-7.trna387-Ala-TGC    GGGGAUG---UAGCUCAAAAUGGUAGAGCGCCGCUUUGCAUGCGGGAGGCACGGGGUUCG 57
chr-4.trna330-Ala-TGC    GGGGAUG---UAGCUCAAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGGUUCG 57
chr-6.trna137-Ala-TGC    GGGGAUG---UAGCUCAAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGGUUCG 57
chr-1.trna443-Ala-TGC    GGGGAUG---UAGCUCAAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGAUUCG 57
chr-4.trna340-Ala-TGC    GGGGAUG---UAGCUCAAAAUGGUGGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGGUUCG 57
chr-3.trna233-Ala-TGC    GGGGAUG---UAGCUCAAAUGGCAGAGUGCCGCUUUGCAUGCGGGAGGCACAGGGUUCG 57
chr-7.trna392-Ala-TGC    GGGGAUG---UAGCUCAAAUGGUACAGCGCCGCUUUGCAUACGGGAGGCACGGGGUUUG 57
chr-7.trna447-Ala-AGC    -GGGAUG---UAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUAUGGGGAUCG 56
chr-5.trna186-Ala-AGC    -GGGAUG---UAGCUCAGAUGGUAGAGCACUCGCUUAGCAUGCGGGAGGCACGGGGAUAG 56
chr-2.trna497-Ala-AGC    GGGGAUG---UAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGA---AUGGGGAUCG 54
chr-7.trna423-Ala-AGC    GGGGAUG---UAGCUCAGAUGGUAGAAAGCUCGCUUAGCAUGGGAGAGGUAUGGGGAUCG 57
chr-2.trna22-Ala-AGC     GGGGAUG---UAGCUCAAAUGUUAGAGUGCUCGCUUAGCAUGUGAGAGGUAUGGGGAUCG 57
chr-6.trna202-Ala-GGC    GGGGAUGUACUAGCUCAAAUGGUAGAGCACUUAAUCGGCAUUUAAGAGGCAGGGGGUCG 60
chr-2.trna276-Ala-CGC    CCA-------CUGCUCAGUUGGUAAAGCACAAAGCUCGCAACCUUGUGGACGUGGGUUCA 53
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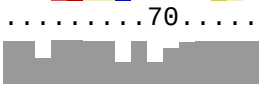
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chr-3.trna372-Ala-AGC    AUACCCCGCAUCUCCA 73
chr-4.trna282-Ala-AGC    AUACCCCGCAUUUCCA 73
chr-5.trna351-Ala-AGC    AUACCCCGCAUCUCCA 73
chr-7.trna368-Ala-AGC    AUACCCCGCAUCUCCA 73
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chr-7.trna453-Ala-AGC    AUACCCCACUUCUCCA 73
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chr-7.trna240-Ala-AGC    AUACCCCACUUCUCCA 73
chr-7.trna426-Ala-AGC    AUACCCCACUUCUCCA 73
chr-7.trna20-Ala-AGC     AUACCCCACUUCUCCA 73
chr-7.trna18-Ala-AGC     AUACCCCACUUCUCCA 73
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chr-2.trna498-Ala-AGC    AUACCCCACUUCUCCA 73
chr-5.trna324-Ala-AGC    AUACCCCACUUCUCCA 73
chr-7.trna448-Ala-AGC    AUACCCCACUUCUCCA 73
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chr-7.trna424-Ala-AGC    AUACCCCACUUCUCCA 73
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chr-2.trna276-Ala-CGC    AGCCCCAUGAUGGGGG 69
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