```
                        (((((((..((((........)))).(((((.......)))))).....(((((.......
chr-Lu10.trna46-Ala-AGC GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-Lu1.trna106-Ala-AGC GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-Lu4.trna16-Ala-AGC  GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-Lu11.trna68-Ala-AGC GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-Lu7.trna37-Ala-AGC  GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-Lu7.trna6-Ala-AGC   GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-Lu7.trna5-Ala-AGC   GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-Lu6.trna6-Ala-AGC   GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-Lu5.trna82-Ala-AGC  GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-Lu8.trna37-Ala-AGC  GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-Lu5.trna44-Ala-AGC  GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-Lu5.trna43-Ala-AGC  GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-Lu4.trna61-Ala-AGC  GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-Lu4.trna41-Ala-AGC  GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-Lu9.trna10-Ala-AGC  GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-Lu7.trna39-Ala-AGC  GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-Lu2.trna75-Ala-AGC  GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-Lu12.trna37-Ala-AGC GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-Lu2.trna60-Ala-AGC  GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-Lu2.trna21-Ala-AGC  GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-Lu13.trna19-Ala-AGC GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-Lu13.trna68-Ala-AGC GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-Lu14.trna66-Ala-AGC GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-Lu13.trna94-Ala-AGC GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-Lu15.trna33-Ala-AGC GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACAGGGAUCGAUA 60
chr-Lu12.trna45-Ala-AGC GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCAAUA 60
chr-Lu12.trna2-Ala-AGC  GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-Lu13.trna20-Ala-AGC GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-Lu9.trna8-Ala-AGC   GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-Lu5.trna68-Ala-AGC  GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-Lu8.trna60-Ala-AGC  GGGGAUGUAGCUCAGAUGGUAGAGCGCUUGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-Lu13.trna54-Ala-AGC GGGGAUGUAUCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACAGGGGUCGAUA 60
chr-Lu3.trna4-Ala-AGC   GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUAUGGGGAUCGAUA 60
chr-Lu15.trna29-Ala-AGC -GGGAUGUAGCUCAGAUGGUAGAGCGCUUGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 59
chr-Lu11.trna64-Ala-AGC AGGGAUGUAGCUUAGAUGGUAGAGCGCUCACUUAGCAUGCAAGAGGUACGGGGAUCGAUA 60
chr-Lu2.trna61-Ala-AGC  GAGGAUGUAGUUUAGAUGGUAGAGCGCUCGCGUAGCAUGCGAGAGGUAUGAGGAUUGAUA 60
                        .........10........20........30........40........50.........

                        ))))))))))))....
chr-Lu10.trna46-Ala-AGC CCCCGCAUCUCCA--- 73
chr-Lu1.trna106-Ala-AGC CCCCGCAUCUCCA--- 73
chr-Lu4.trna16-Ala-AGC  CCCCACAUCUCCA--- 73
chr-Lu11.trna68-Ala-AGC CCCCGCAUCUCCA--- 73
chr-Lu7.trna37-Ala-AGC  CCCCGCAUCUCCA--- 73
chr-Lu7.trna6-Ala-AGC   CCCCGCAUCUCCA--- 73
chr-Lu7.trna5-Ala-AGC   CCCCGCAUCUCCA--- 73
chr-Lu6.trna6-Ala-AGC   CCCCGCAUCUCCA--- 73
chr-Lu5.trna82-Ala-AGC  CCCCGCAUCUCCA--- 73
chr-Lu8.trna37-Ala-AGC  CCCCGCAUCUCCA--- 73
chr-Lu5.trna44-Ala-AGC  CCCCGCAUCUCCA--- 73
chr-Lu5.trna43-Ala-AGC  CCCCGCAUCUCCA--- 73
chr-Lu4.trna61-Ala-AGC  CCCCGCAUCUCCA--- 73
chr-Lu4.trna41-Ala-AGC  CCCCGCAUCUCCA--- 73
chr-Lu9.trna10-Ala-AGC  CCCCGCAUCUCCA--- 73
chr-Lu7.trna39-Ala-AGC  CCCCGCAUCUCCA--- 73
chr-Lu2.trna75-Ala-AGC  CCCCGCAUCUCCA--- 73
chr-Lu12.trna37-Ala-AGC CCCCGCAUCUCCA--- 73
chr-Lu2.trna60-Ala-AGC  CCCCGCAUCUCCA--- 73
chr-Lu2.trna21-Ala-AGC  CCCCGCAUCUCCA--- 73
chr-Lu13.trna19-Ala-AGC CCCCGCAUCUCCA--- 73
chr-Lu13.trna68-Ala-AGC CCCCGCAUCUCCA--- 73
chr-Lu14.trna66-Ala-AGC CCCCGCAUCUCCA--- 73
chr-Lu13.trna94-Ala-AGC CCCCGCAUCUCCA--- 73
chr-Lu15.trna33-Ala-AGC CCCUGCAUCUCCA--- 73
chr-Lu12.trna45-Ala-AGC CCCCGCAUCUCCA--- 73
chr-Lu12.trna2-Ala-AGC  CCCUGCAUCUCCA--- 73
chr-Lu13.trna20-Ala-AGC CCCUGCAUCUCCA--- 73
chr-Lu9.trna8-Ala-AGC   CCCUGCAUCUCCA--- 73
chr-Lu5.trna68-Ala-AGC  CCCUGCAUCUCCA--- 73
chr-Lu8.trna60-Ala-AGC  CCCUGCAUCUCCA--- 73
chr-Lu13.trna54-Ala-AGC CCCUGCAUCUCCA--- 73
chr-Lu3.trna4-Ala-AGC   CCCC-CAUCUCCA--- 72
chr-Lu15.trna29-Ala-AGC CCCUGCAUCUCCA--- 72
chr-Lu11.trna64-Ala-AGC CCCCGAAUCUCCA--- 73
chr-Lu2.trna61-Ala-AGC  CCUCGCAUCUCUAUCU 76
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