```
                                (((((((....(..((((........))))..(((((.......)))))).....(((((...
chr-4.trna148-Ala-AGC     GGGGAU----GUAGUUCAGAUGGUAGAACACUCGCUUAGCAUGCGAGAGGCACGGGGAUC 56
chr-4.trna149-Ala-AGC     GGGGAU----GUAGUUCAGAUGGUAGAACACUCGCUUAGCAUGCGAGAGGCACGGGGAUC 56
chr-4.trna140-Ala-AGC     GGGGAU----GUAGUUCAGAUGGUAGAACACUCGCUUAGCAUGCGAGAGGCAUGGGGAUU 56
chr-1.trna86-Ala-AGC      GGGGGU----GUAGCUCAAAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGCACGGGGAUC 56
chr-4.trna172-Ala-AGC     GGGGAU----GUAGUUCAGAUGGUAGAACGCUCGCUUAGCAUGUGAGAGGCAUGGGGAUC 56
chr-4.trna161-Ala-AGC     GGGGAU----GUAGUUCAGAUGGUAGAACGCUCGCUUAGCAUGUGAGAGGCAUGGGGAUC 56
chr-4.trna174-Ala-AGC     GGGGAU----GUAGUUCAGAUGGUAGAACGCUCGCUUAGCAUGUGAGAGGCACGGGGAUC 56
chr-1.trna125-Ala-AGC     GGGGAU----GUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGCACGGGGAUC 56
chr-4.trna92-Ala-AGC      GGGGAU----GUAGUUCAGAUGGUAGAACGCUCGCUUAGCAUGCGAGAGGCACGGGGAUC 56
chr-4.trna145-Ala-AGC     GGGGAU----GUAGUUCAGAUGGUAGAACGCUCGCUUAGCAUGCGAGAGGCACGGGGAUC 56
chr-4.trna147-Ala-AGC     GGGGAU----GUAGUUCAGAUGGUAGAACGCUCGCUUAGCAUGCGAGAGGCACGGGGAUC 56
chr-4.trna162-Ala-AGC     GGGGAU----GUAGUUCAGAUGGUAGAACGCUCGCUUAGCAUGCGAGAGGCACGGGGAUC 56
chr-4.trna164-Ala-AGC     GGGGAU----GUAGUUCAGAUGGUAGAACGCUCGCUUAGCAUGCGAGAGGCACGGGGAUC 56
chr-4.trna166-Ala-AGC     GGGGAU----GUAGUUCAGAUGGUAGAACGCUCGCUUAGCAUGCGAGAGGCACGGGGAUC 56
chr-4.trna170-Ala-AGC     GGGGAU----GUAGUUCAGAUGGUAGAACGCUCGCUUAGCAUGCGAGAGGCACGGGGAUC 56
chr-4.trna171-Ala-AGC     GGGGAU----GUAGUUCAGAUGGUAGAACGCUCGCUUAGCAUGCGAGAGGCACGGGGAUC 56
chr-1.trna146-Ala-AGC     GGGGAU----GUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGCACGGGGAUC 56
chr-10.trna12-Ala-AGC     GGGGAU----GUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGCACGGGGAUC 56
chr-10.trna10-Ala-AGC     GGGGAU----GUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGCACGGGGAUC 56
chr-10.trna7-Ala-AGC      GGGGAU----GUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGCACGGGGAUC 56
chr-10.trna9-Ala-AGC      GGGGAU----GUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGCACGGGGAUC 56
chr-5.trna21-Ala-AGC      GGGGAU----GUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGCACGGGGAUC 56
chr-10.trna6-Ala-AGC      GGGGAU----GUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGCACGGGGAUC 56
chr-4.trna106-Ala-AGC     GGGGAU----GUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGCACGGGGAUC 56
chr-10.trna8-Ala-AGC      GGGGAU----GUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGCACGGGGAUC 56
chr-4.trna180-Ala-AGC     GGGGAU----GUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGCACGGGGAUC 56
chr-4.trna168-Ala-AGC     GGGGAU----GUAGUUCAGAUGGUAGAACGCUCGCUUAGCAUGCGAGAGGCACGGGGAUC 56
chr-4.trna138-Ala-AGC     GGGGAU----GUAGUUCAGAUGGUAGAAUGCUCGCUUAGCAUGCGAGAGGCACGGGGAUC 56
chr-4.trna154-Ala-AGC     GGGGAU----GUAGUUCAGAUGGUAGAACGCUUGCUUAGCAUGCGAGAGGCACGGGGAUC 56
chr-3.trna46-Ala-AGC      GGGGAU----GUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGCACGGGGAUU 56
chr-1.trna198-Ala-AGC     GGGGAU----GUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUC 56
chr-2.trna105-Ala-AGC     GGGGAU----GUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUC 56
chr-5.trna185-Ala-AGC     GGGGAU----GUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUC 56
chr-6.trna36-Ala-AGC      GGGGAU----GUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUC 56
chr-7.trna79-Ala-AGC      GGGGAU----GUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUC 56
chr-6.trna136-Ala-AGC     GGGGAU----GUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUC 56
chr-1.trna114-Ala-AGC     GGGGAU----GUAGUUCAGAUGGUAGAACGCUCGCUUAGCAUGCGAGAGGUACGGGGAUC 56
chr-1.trna271-Ala-AGC     GGGGAU----GUAGUUCAGAUGGUAGAACGCUCGCUUAGCAUGCGAGAGGUACGGGGAUC 56
chr-5.trna9-Ala-AGC       GGGGAU----GUAGUUCAGAUGGUAGAACGCUCGCUUAGCAUGCGAGAGGUACGGGGAUC 56
chr-2.trna121-Ala-AGC     GGGGAU----GUAGUUCAGAUGGUAGAACGCUCGCUUAGCAUGCGAGAGGUACGGGGAUC 56
chr-7.trna70-Ala-AGC      GGGGAU----GUAGUUCAGAUGGUAGAACGCUCGCUUAGCAUGCGAGAGGUACGGGGAUC 56
chr-5.trna8-Ala-AGC       GGGGAU----GUAGUUCAGAUGGUAGAACGCUCGCUUAGCAUGCGAGAGGUACGGGGAUC 56
chr-6.trna61-Ala-AGC      GGGGAU----GUAGUUCAGAUGGUAGAACGCUCGCUUAGCAUGCGAGAGGUACGGGGAUC 56
chr-10.trna135-Ala-AGC    GGGGAU----GUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUAUGGGGAUC 56
chr-4.trna142-Ala-AGC     GGGGAU----GUAGUUCAGAUGGUAGAACGCUCGCUUAGCAAGCGAGAGGCACGGGGAUC 56
chr-10.trna13-Ala-AGC     GGGGAU----GUAGCUUAGAUGGUAGAGCGCUUGCUUAGCAUGCGAGAGGCACGGGGAUC 56
chr-4.trna139-Ala-AGC     GGGGAU----GUAGUUCAGAUGGUAGAAUGCUCGUUUAGCAUGCGAGAGGCACGGGGAUC 56
chr-2.trna120-Ala-AGC     GGGGAU----GUAGUUCAGAUGGUAGAACGCUCGCUUAGCAUGCGAGAGGUUUGGGGAUC 56
chr-4.trna151-Ala-AGC     GGGGAU----GUAUUUCAGAUGGUAGAACGCUCGCUUAGCAUGCGAGAGGCACGGGGAUC 56
chr-4.trna137-Ala-AGC     AGGGAU----GUAGUUUAGAUGGUAGAACGCUCGCUUAGCAUGCGAGAGGCACGGGGAUC 56
chr-4.trna157-Ala-AGC     GGGGAU----GUAGUUCAGAUGGUAGAAUGCUCGCUUAGCAUGCGAAAGGCACGGGGAUC 56
chr-4.trna136-Ala-AGC     GGGGAU----GUAGUUCAGAUGAUAGAACGCUCGCUUAGCAUGCGAGAGGCACGGGGAUC 56
chr-4.trna141-Ala-AGC     GGGGAU----GUAGUUUAGAUGGUAGAACGCUCGCUUAGCAUGCGAGAGGCACGGGGAUC 56
chr-1.trna126-Ala-AGC     GGGGAU----GUAGCUCAGAUGGUAGAGCGCUAGCUUAGCAUGCGAGAGGCAUGGGGAUC 56
chr-4.trna90-Ala-AGC      GGGGAU----GUAGUUCAGAUGGUAGAACGCUGGCUUAGCAUGCGAGAGGCACGGGGAUC 56
chr-4.trna135-Ala-AGC     GGGGAU----GUAGUUCAGAUGGUAGAACGCUCGCUUAGCAUGCAAGAGGCACGGGGAUC 56
chr-4.trna152-Ala-AGC     GGGGAU----GUAGUUCAGAAGGUAGAACGCUCGCUUAGCAUGCGAGAGGCACGAGGAUC 56
chr-2.trna61-Ala-AGC      GGGGGU----GUAGCUCAAAUGGUAGACCGCUCGCUUAGCAUGCGAGAGGCACGGGGAUC 56
chr-4.trna173-Ala-AGC     GGGGAU----GUCGUUCAGAUGGUAGAACGCUCUCUUAGCAUGCGAGAGGCACGGGGAUU 56
chr-4.trna144-Ala-AGC     GGGGAU----GUAGUUCAGAUGAUAGAACGCUCACUUAGCAUUUGAGAGGCACGAGGAUC 56
chr-4.trna153-Ala-AGC     AGGGAU----GUAGUUCAGAUGGUAGAACGCUCGCUUAGCAUGCGAGAGGCAUGAGGAUC 56
chr-4.trna143-Ala-AGC     AGGGAU----GUAGUUCAGAUGGUAGAACGCUCGCUUAGCAUGCGAGAGGCACGAGGAUU 56
chr-4.trna150-Ala-AGC     GGGGAU----GUAGUUCAGAUGCUAGAACACUCGCUUAGCAUGUGAGAGGCACGGGGAUC 56
chr-4.trna156-Ala-AGC     GGGGAU----GUAGUUCAGAUGGUAGAACACUUGCUUAGCAUGUGAGAGGCACGGGGAUC 56
chr-4.trna167-Ala-AGC     GGGGAU----GUAGUUCAGAUGGUAGAACGCUCGCUUAGCAUAUGAGAGGCACGUGGAUC 56
chr-1.trna202-Ala-TGC     GGGGAU----GUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGGUUC 56
chr-1.trna233-Ala-TGC     GGGGAU----GUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGGUUC 56
chr-5.trna87-Ala-TGC      GGGGAU----GUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGGUUC 56
chr-2.trna274-Ala-TGC     GGGGAU----GUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGGUUC 56
chr-4.trna6-Ala-TGC       GGGGAU----GUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGGUUC 56
chr-4.trna50-Ala-TGC      GGGGAU----GUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGGUUC 56
chr-8.trna56-Ala-TGC      GGGGAU----GUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGGUUC 56
chr-4.trna184-Ala-TGC     GGGGAU----GUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGGUUC 56
chr-2.trna62-Ala-TGC      GGGGAC----GUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGGUUC 56
chr-6.trna13-Ala-TGC      GGGGAU----GUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGUGAGAGGCACGGGGUUC 56
chr-4.trna229-Ala-TGC     GGGGAU----GUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAAGUGAGAGGCACGGGGUUC 56
chr-4.trna114-Ala-CGC     GGGGGU----GUAGCUCAUAUGGUAGAGCGCUCGUUUCGCAUGCGAGAGGCACGAGGUUC 56
chr-4.trna119-Ala-CGC     GGGGGU----GUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGAGGUUC 56
chr-2.trna6-Ala-CGC       GGGGGU----GUAGCUCAUAUGAUAGAGCGCUCGCUUCGCAUGCGAGAGGCAUGGGGUUC 56
chr-1.trna27-Ala-CGC      GGGGGU----GUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUC 56
chr-2.trna7-Ala-CGC       GGGGGU----GUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUC 56
chr-10.trna71-Ala-CGC     GGGGGU----GUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUC 56
chr-2.trna8-Ala-CGC       GGGGGU----GUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUC 56
chr-2.trna9-Ala-CGC       GGGGGU----GUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUC 56
chr-2.trna16-Ala-CGC      GGGGGU----GUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUC 56
chr-5.trna38-Ala-CGC      GGGGGU----GUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUC 56
chr-7.trna77-Ala-CGC      GGGGGU----GUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUC 56
chr-9.trna56-Ala-CGC      GGGGGU----GUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUC 56
chr-4.trna70-Ala-CGC      GGGGAC----GUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUC 56
chr-5.trna77-Ala-CGC      GGGGAC----GUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUC 56
chr-5.trna131-Ala-CGC     GGGGAC----GUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUC 56
chr-4.trna111-Ala-CGC     GGGGGU----GUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUC 56
chr-5.trna127-Ala-CGC     GGGGAC----GUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUU 56
chr-2.trna4-Ala-CGC       GGGGGU----GUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUU 56
chr-2.trna2-Ala-CGC       GGGGGU----GUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACAGGGUUC 56
chr-4.trna115-Ala-CGC     GGGGGU----GUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUC 56
chr-4.trna116-Ala-TGC     GGGGGU----GUAGCUCAUAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGGUUC 56
chr-2.trna3-Ala-CGC       GGGGGU----GUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGAGUUC 56
chr-4.trna120-Ala-CGC     GGGGGU----GUAGCUCAUAUGAUAGAGCGCUCGUUUCGCAUGCGAGAGGCACGGGGUUC 56
chr-2.trna5-Ala-CGC       GGGGGU----GUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGUGAGAGGCACGGGGUUC 56
chr-4.trna113-Ala-CGC     GGGGGU----GUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGUGAGAGGCACGGGGUUC 56
chr-4.trna118-Ala-TGC     GGGGGU----GUAGCUCAUAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGGUAC 56
chr-4.trna155-Ala-AGC     GGGGAU----GUAGUUCAGAUGGUAGAAUGCUCGCUUAGCAUGCGAGAGGCACGGGGAUC 56
chr-4.trna165-Ala-AGC     GGGUAU----GUAGUUUCGAUGGUAGAACGCUCGCUUAGCAUGCGAGAGGCAUGGGGAUC 56
chr-10.trna11-Ala-AGC     GGGGAU----GUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGCACGGGGAUC 56
chr-4.trna91-Ala-AGC      AGGGAU----GUAGUUCAGAUGGUAGAACGCUCUCUUAGCAUGCGAGAGGCACGGGGAUC 56
chr-4.trna134-Ala-AGC     GAGGAU----GUAGUUCAGAUGGUAGAAUGCUCACUUAGCAUGCGAGAGGCACGGGGAUC 56
chr-4.trna117-Ala-CGC     -GGGGU----GUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUC 55
chr-4.trna121-Ala-CGC     -GGGGU----GUAGCUCAUAUGGUAGAGUGCUCGCUUCGCAUGCGAGAGGCAUGGGGUUC 55
chr-4.trna112-Ala-TGC     -GGGGU----GUAGCUCAUAUGGUAGAGCACUCGCUUUGCAUGCGAGAGGCACGGGGUUC 55
chr-4.trna159-Ala-AGC     -GGGAU----GUAGUUCCGAUGGUAGAACGCUCGCUUAGCAUGCGAGAGGCACAUGGAUC 55
chr-4.trna158-Ala-AGC     -GGGAU----GUAGUUCCGAUGGUAGAACGCUCGCUUAGCAUGCGAGAGGCACAUGGAUC 55
chr-4.trna146-Ala-AGC     GGGUAUCACAGUAGUUCAGAUGGUAGAACGCUCGCUUAGCAUGCGAGAGGCACGGGGAUC 60
chr-4.trna169-Ala-AGC     GGAC------GUAGUUCAGAUGGUAGAACGCUCGUUUAGCAUGCGAGAGGCACAGGGAUC 54
chr-4.trna160-Ala-CGC     ----------GUAGUUCAGAUGGUAGAACGCUCGCUUCGCAUGUGAGAGGCACGGGGAUC 50
                                  .........10........20........30........40........50.........

                                  ....))))))..)))))).
chr-4.trna148-Ala-AGC     GAUACCCCGC-AUCUCCA 73
chr-4.trna149-Ala-AGC     GAUACCCCGC-AUCUCCA 73
chr-4.trna140-Ala-AGC     GAUACCCCGC-AUCUCCA 73
chr-1.trna86-Ala-AGC      GAUACCCCGC-AUCUCCA 73
chr-4.trna172-Ala-AGC     GAUACCCCGC-AUCUCCA 73
chr-4.trna161-Ala-AGC     GAUACCCCGC-AUCUCCA 73
chr-4.trna174-Ala-AGC     GAUACCCCGC-AUCUCCA 73
chr-1.trna125-Ala-AGC     GAUACCCCGC-AUCUCCA 73
chr-4.trna92-Ala-AGC      GAUACCCCGC-AUCUCCA 73
chr-4.trna145-Ala-AGC     GAUACCCCGC-AUCUCCA 73
chr-4.trna147-Ala-AGC     GAUACCCCGC-AUCUCCA 73
chr-4.trna162-Ala-AGC     GAUACCCCGC-AUCUCCA 73
chr-4.trna164-Ala-AGC     GAUACCCCGC-AUCUCCA 73
chr-4.trna166-Ala-AGC     GAUACCCCGC-AUCUCCA 73
chr-4.trna170-Ala-AGC     GAUACCCCGC-AUCUCCA 73
chr-4.trna171-Ala-AGC     GAUACCCCGC-AUCUCCA 73
chr-1.trna146-Ala-AGC     GAUACCCCGC-AUCUCCA 73
chr-10.trna12-Ala-AGC     GAUACCCCGC-AUCUCCA 73
chr-10.trna10-Ala-AGC     GAUACCCCGC-AUCUCCA 73
chr-10.trna7-Ala-AGC      GAUACCCCGC-AUCUCCA 73
chr-10.trna9-Ala-AGC      GAUACCCCGC-AUCUCCA 73
chr-5.trna21-Ala-AGC      GAUACCCCGC-AUCUCCA 73
chr-10.trna6-Ala-AGC      GAUACCCCGC-AUCUCCA 73
chr-4.trna106-Ala-AGC     GAUACCCCGC-AUCUCCA 73
chr-10.trna8-Ala-AGC      GAUACCCCGC-AUCUCCA 73
chr-4.trna180-Ala-AGC     GAUACCCCGC-AUCUCCA 73
chr-4.trna168-Ala-AGC     GAUACCCCGC-AUCUCUA 73
chr-4.trna138-Ala-AGC     GAUACCCCGC-AUCUCCA 73
chr-4.trna154-Ala-AGC     GAUACCCCGC-AUCUCCA 73
chr-3.trna46-Ala-AGC      GAUACCCCGC-AUCUCCA 73
chr-1.trna198-Ala-AGC     GAUACCCCGC-AUCUCCA 73
chr-2.trna105-Ala-AGC     GAUACCCCGC-AUCUCCA 73
chr-5.trna185-Ala-AGC     GAUACCCCGC-AUCUCCA 73
chr-6.trna36-Ala-AGC      GAUACCCCGC-AUCUCCA 73
chr-7.trna79-Ala-AGC      GAUACCCCGC-AUCUCCA 73
chr-6.trna136-Ala-AGC     GAUACCCCGC-AUCUCCA 73
chr-1.trna114-Ala-AGC     GAUACCCCGC-AUCUCCA 73
chr-1.trna271-Ala-AGC     GAUACCCCGC-AUCUCCA 73
chr-5.trna9-Ala-AGC       GAUACCCCGC-AUCUCCA 73
chr-2.trna121-Ala-AGC     GAUACCCCGC-AUCUCCA 73
chr-7.trna70-Ala-AGC      GAUACCCCGC-AUCUCCA 73
chr-5.trna8-Ala-AGC       GAUACCCCGC-AUCUCCA 73
chr-6.trna61-Ala-AGC      GAUACCCCGC-GUCUCCA 73
chr-10.trna135-Ala-AGC    GAUACCCCGC-AUCUCCA 73
chr-4.trna142-Ala-AGC     GAUACCCCGC-AUCUCCA 73
chr-10.trna13-Ala-AGC     GAUACCCCGC-AUCUCCA 73
chr-4.trna139-Ala-AGC     GAUACCCCGC-AUCUCCA 73
chr-2.trna120-Ala-AGC     GAUACCCCAC-AUCUCCA 73
chr-4.trna151-Ala-AGC     GAUACCCCGC-AUCUCCA 73
chr-4.trna137-Ala-AGC     GAUACCCCGC-AUCUCCA 73
chr-4.trna157-Ala-AGC     GAUACCCCGC-AUCUCCA 73
chr-4.trna136-Ala-AGC     GGUACCCCGC-AUCUCCA 73
chr-4.trna141-Ala-AGC     GAUACCGGGC-AUCUCCA 73
chr-1.trna126-Ala-AGC     GAUACCCCGC-AUCUCCA 73
chr-4.trna90-Ala-AGC      GAUACCCCAC-AUCUCCA 73
chr-4.trna135-Ala-AGC     GAUACCCCGC-AUCUCCA 73
chr-4.trna152-Ala-AGC     GAUACCCCGC-AUCUCCA 73
chr-2.trna61-Ala-AGC      GAUACCCCGC-AUCUCCA 73
chr-4.trna173-Ala-AGC     GAUACCCCGC-AUCUCCA 73
chr-4.trna144-Ala-AGC     GAUACCUCGC-AUCUCCA 73
chr-4.trna153-Ala-AGC     GAUACCCCGC-AUCUCCA 73
chr-4.trna143-Ala-AGC     GAUACCCCGC-AUCUCCA 73
chr-4.trna150-Ala-AGC     GAUACCCCAC-AUCUCCA 73
chr-4.trna156-Ala-AGC     GAUACCCCGC-AUGUCCA 73
chr-4.trna167-Ala-AGC     GAUACCCCGC-AUCUCCA 73
chr-1.trna202-Ala-TGC     GAUCCCCCGC-AUCUCCA 73
chr-1.trna233-Ala-TGC     GAUCCCCCGC-AUCUCCA 73
chr-5.trna87-Ala-TGC      GAUCCCCCGC-AUCUCCA 73
chr-2.trna274-Ala-TGC     GAUCCCCCGC-AUCUCCA 73
chr-4.trna6-Ala-TGC       GAUCCCCCGC-AUCUCCA 73
chr-4.trna50-Ala-TGC      GAUCCCCCGC-AUCUCCA 73
chr-8.trna56-Ala-TGC      GAUCCCCCGC-AUCUCCA 73
chr-4.trna184-Ala-TGC     GAUCCCCCGC-AUCUCCA 73
chr-2.trna62-Ala-TGC      GAUCCCCCGC-GUCUCCA 73
chr-6.trna13-Ala-TGC      GAUCCCCCGC-AUCUCCA 73
chr-4.trna229-Ala-TGC     GAUCGCCCGC-AUCUCCA 73
chr-4.trna114-Ala-CGC     AAUUCCCCGC-ACCUCCA 73
chr-4.trna119-Ala-CGC     AAUUCCCCAC-ACCUCCA 73
chr-2.trna6-Ala-CGC       GAUUCCCCAC-ACCUCCA 73
chr-1.trna27-Ala-CGC      GAUUCCCCGC-ACCUCCA 73
chr-2.trna7-Ala-CGC       GAUUCCCCGC-ACCUCCA 73
chr-10.trna71-Ala-CGC     GAUUCCCCGC-ACCUCCA 73
chr-2.trna8-Ala-CGC       GAUUCCCCGC-ACCUCCA 73
chr-2.trna9-Ala-CGC       GAUUCCCCGC-ACCUCCA 73
chr-2.trna16-Ala-CGC      GAUUCCCCGC-ACCUCCA 73
chr-5.trna38-Ala-CGC      GAUUCCCCGC-ACCUCCA 73
chr-7.trna77-Ala-CGC      GAUUCCCCGC-ACCUCCA 73
chr-9.trna56-Ala-CGC      GAUUCCCCGC-ACCUCCA 73
chr-4.trna70-Ala-CGC      GAUUCCCCGC-GUCUCCA 73
chr-5.trna77-Ala-CGC      GAUUCCCCGC-GUCUCCA 73
chr-5.trna131-Ala-CGC     GAUUCCCCGC-GUCUCCA 73
chr-4.trna111-Ala-CGC     GAUUCCUCGC-ACCUCCA 73
chr-5.trna127-Ala-CGC     GAUUCCCCGC-GUCUCCA 73
chr-2.trna4-Ala-CGC       GAUUCCCCGC-ACCUCCA 73
chr-2.trna2-Ala-CGC       GAUUCCCCGC-ACCUCCA 73
chr-4.trna115-Ala-CGC     AAUUCCCCGC-ACCUCUA 73
chr-4.trna116-Ala-TGC     AAUUCCCCGC-ACCUCCA 73
chr-2.trna3-Ala-CGC       GAUUCCCCGC-ACCUCCA 73
chr-4.trna120-Ala-CGC     AAUUCCCCGC-ACCUCCA 73
chr-2.trna5-Ala-CGC       GAUUCCCCGC-ACCUCCA 73
chr-4.trna113-Ala-CGC     AAUUCCCCGC-ACCUCCA 73
chr-4.trna118-Ala-TGC     AAUUUCACGC-ACCUCCA 73
chr-4.trna155-Ala-AGC     GAUACCCCGC-UACUCCA 73
chr-4.trna165-Ala-AGC     GAUACCCCGC-AUCUCCA 73
chr-10.trna11-Ala-AGC     GAUACCGU-C-AUCUCCA 72
chr-4.trna91-Ala-AGC      AAUACCCUGC-AUCUCCA 73
chr-4.trna134-Ala-AGC     GAUACCCUGC-AUCUCCA 73
chr-4.trna117-Ala-CGC     AAUUACCCACAACCUCCA 73
chr-4.trna121-Ala-CGC     AAUUCCCCGC-ACCUCCA 72
chr-4.trna112-Ala-TGC     AAUUUCCCGC-ACCUCCA 72
chr-4.trna159-Ala-AGC     GAUACCCCGC-AUCUCCA 72
chr-4.trna158-Ala-AGC     GAUACCCCGC-AUCUCCA 72
chr-4.trna146-Ala-AGC     GAUACCCCGC-AUCUCCA 77
chr-4.trna169-Ala-AGC     GUUAACCCGC-AUCUCCA 71
chr-4.trna160-Ala-CGC     GAUACCCCGC-AUCUCCA 67
                          .........70.......
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