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                         (((((((..((((........)))).(((((.......)))))).....(((((.......
chr-1.trna114-Ala-CGC    GGGGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-2.trna11-Ala-CGC     GGGGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-3.trna57-Ala-CGC     GGGGAUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-4.trna25-Ala-CGC     GGGGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-5.trna113-Ala-CGC    GGGGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-5.trna53-Ala-CGC     GGGGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-3.trna59-Ala-TGC     GGGGAUGUAGCUCAUAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACAGGGUUCGAUU 60
chr-4.trna54-Ala-CGC     GGGGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCAAGAGGCACGGGGUUCGAUU 60
chr-1.trna23-Ala-TGC     GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGGUUCGAUC 60
chr-1.trna33-Ala-TGC     GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGGUUCGAUC 60
chr-1.trna159-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGGUUCGAUC 60
chr-2.trna75-Ala-TGC     GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGGUUCGAUC 60
chr-3.trna61-Ala-TGC     GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGGUUCGAUC 60
chr-2.trna42-Ala-TGC     GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGGUUCGAUC 60
chr-3.trna62-Ala-TGC     GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGGUUCGAUC 60
chr-1.trna189-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGGUUCGAUC 60
chr-5.trna90-Ala-AGC     GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGCACGGGGAUCGAUA 60
chr-4.trna27-Ala-AGC     GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGCACGGGGAUCGAUA 60
chr-4.trna74-Ala-AGC     GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGCACGGGGAUCGAUA 60
chr-1.trna13-Ala-AGC     GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-1.trna11-Ala-AGC     GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-5.trna30-Ala-AGC     GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-5.trna76-Ala-AGC     GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-4.trna73-Ala-AGC     GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-2.trna2-Ala-AGC      GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-5.trna56-Ala-AGC     GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-5.trna126-Ala-AGC    GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-3.trna75-Ala-AGC     GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-2.trna54-Ala-AGC     GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-2.trna76-Ala-AGC     GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-3.trna30-Ala-AGC     GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-5.trna114-Ala-AGC    GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
                         .........10........20........30........40........50.........

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chr-1.trna114-Ala-CGC    CCCCGCACCUCCA 73
chr-2.trna11-Ala-CGC     CCCCGCACCUCCA 73
chr-3.trna57-Ala-CGC     CCCCGCAUCUCCA 73
chr-4.trna25-Ala-CGC     CCCCGCACCUCCA 73
chr-5.trna113-Ala-CGC    CCCCGCACCUCCA 73
chr-5.trna53-Ala-CGC     CCCCGCACCUCCA 73
chr-3.trna59-Ala-TGC     CCCUGCAUCUCCA 73
chr-4.trna54-Ala-CGC     CCCCGCACCUCCA 73
chr-1.trna23-Ala-TGC     CCCCGCAUCUCCA 73
chr-1.trna33-Ala-TGC     CCCCGCAUCUCCA 73
chr-1.trna159-Ala-TGC    CCCCGCAUCUCCA 73
chr-2.trna75-Ala-TGC     CCCCGCAUCUCCA 73
chr-3.trna61-Ala-TGC     CCCCGCAUCUCCA 73
chr-2.trna42-Ala-TGC     CCCCGCAUCUCCA 73
chr-3.trna62-Ala-TGC     CCCCGCAUCUCCA 73
chr-1.trna189-Ala-TGC    CCCCGCAUCUCCA 73
chr-5.trna90-Ala-AGC     CCCCGCAUCUCCA 73
chr-4.trna27-Ala-AGC     CCCCGCAUCUCCA 73
chr-4.trna74-Ala-AGC     CCCCGCAUCUCCA 73
chr-1.trna13-Ala-AGC     CCCCGCAUCUCCA 73
chr-1.trna11-Ala-AGC     CCCCGCAUCUCCA 73
chr-5.trna30-Ala-AGC     CCCCGCAUCUCCA 73
chr-5.trna76-Ala-AGC     CCCCGCAUCUCCA 73
chr-4.trna73-Ala-AGC     CCCCGCAUCUCCA 73
chr-2.trna2-Ala-AGC      CCCCGCAUCUCCA 73
chr-5.trna56-Ala-AGC     CCCCGCAUCUCCA 73
chr-5.trna126-Ala-AGC    CCCCGCAUCUCCA 73
chr-3.trna75-Ala-AGC     CCCCGCAUCUCCA 73
chr-2.trna54-Ala-AGC     CCCCGCAUCUCCA 73
chr-2.trna76-Ala-AGC     CCCCGCAUCUCCA 73
chr-3.trna30-Ala-AGC     CCCCGCAUCUCCA 73
chr-5.trna114-Ala-AGC    CCCCGCAUCUCCA 73
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