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                        (((((((..((((.........)))).(((((.......)))))).....(((((.....
chr-8.trna129-Ala-TGC   AGCCUGUUAACUCAAUU-GG-UAGAGUAUUGUGUGUGCAACACAAAAAU-GUGGGUUCGA 57
chr-8.trna95-Ala-TGC    GGCCUGUUAGCUCAAUU-GG-UAGAGUAUUGUGUUUGCAACACAAAAAU-GUGGGUUUGA 57
chr-5.trna87-Ala-TGC    AGCCUGCUAGCUCAACU-GG-UAGAGUAUUGUGUGUGCAACACAAAAAU-GUGGGUUCGA 57
chr-5.trna56-Ala-TGC    AGCCUGUUAGCUCAACU-GG-UAGAGCAUUGUGUGUGCAACACAAAAAU-GUGGGUUCGA 57
chr-2.trna7-Ala-TGC     AGCCUGUUAGCUCAAUU-GG-UAGAGUAUUGUGUGUGCAACACAAAAAU-GUGGGUUCGA 57
chr-8.trna85-Ala-TGC    AGCCUGUUAGCUCAAUU-GG-UAGAGCAUUGUGUAUGCAACACAAAAAU-GUGGGUUCGA 57
chr-8.trna84-Ala-TGC    AGUCUGUUAGCUCAAUU-GG-UAGAGCAUUGUGUAUGCAACACAAAAAU-GUGGGUUCGA 57
chr-3.trna60-Ala-TGC    AGUCUGUUAGCUCAAUU-GG-UAGAGUAUUGUGUAUGCAACACAAAAAU-GUGGGUUCGA 57
chr-9.trna6-Ala-TGC     AGUCUGUUAGCUCAAUU-GG-UAGAGUAUUGUGUAUGCAACACAAAAAU-GUGGGUUUGA 57
chr-6.trna23-Ala-TGC    AGCAUGUUAGCUCAAUU-GG-UAGAGUAUUGUGUAUGCAACACAAAAAU-GUGGGUUCGA 57
chr-1.trna39-Ala-TGC    AGCCUGUUAGCUUAAUU-GG-UAGAGUAUUGUGUUUGCAACAUAAAAAU-GUAGGUUUGA 57
chr-6.trna77-Ala-TGC    AGCCUGUUAGCUCAAUU-GG-UAGAGCAUUGUGUAUGCAACACAA--AU-GUGGGUUCGA 55
chr-4.trna70-Ala-TGC    -GCCUGUUAGCUCAAUU-GG-UAGAGUAUUGUGUAUGCAACACAAAAAU-GUGGGUUCGA 56
chr-1.trna8-Ala-CGC     GGGGGUGUAGCUCAUAU-GG-UAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGA 58
chr-3.trna23-Ala-CGC    GGGGUUGUAGCUCAUAU-GG-UAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGA 58
chr-5.trna64-Ala-CGC    GGGGGUGUAGCUCAUAU-GG-UAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGA 58
chr-6.trna56-Ala-CGC    GGGGGUGUAGCUCAUAU-GG-UAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGA 58
chr-5.trna102-Ala-TGC   GGGGAUGUAGCUCAAAU-GG-UAGAGCGCUCGCUUUGCAUGCGAGAGGUACAGGGUUCGA 58
chr-8.trna82-Ala-TGC    GGGGAUGUAGCUCAAAU-GG-UAGAGCGCUCGCUUUGCAUGCGAGAGGUACAGGGUUCGA 58
chr-3.trna9-Ala-TGC     GGGGAUGUAGCUCAAAU-GG-UAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGGUUCGA 58
chr-3.trna8-Ala-TGC     GGGGAUGUAGCUCAAAU-GG-UAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGGUUCGA 58
chr-6.trna37-Ala-TGC    GGGGAUGUAGCUCAAAU-GG-UAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGGUUCGA 58
chr-3.trna10-Ala-TGC    GGGGAUGUAGCUCAAAU-GG-UAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGGUUCGA 58
chr-3.trna53-Ala-TGC    GGGGAUGUAGCUCAAAU-GG-UAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGGUUCGA 58
chr-4.trna57-Ala-TGC    GGGGAUGUAGCUCAAAU-GG-UAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGGUUCGA 58
chr-6.trna41-Ala-TGC    GGGGAUGUAGCUCAAAU-GG-UAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGGUUCGA 58
chr-6.trna2-Ala-TGC     GGGGAUGUAGCUCAAAU-GG-UAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGGUUCGA 58
chr-6.trna3-Ala-TGC     GGGGAUGUAGCUCAAAU-GG-UAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGGUUCGA 58
chr-4.trna27-Ala-AGC    GGGGAUGUAGCUCAGAU-GG-UAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGA 58
chr-5.trna38-Ala-AGC    GGGGAUGUAGCUCAGAU-GG-UAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGA 58
chr-5.trna53-Ala-AGC    GGGGAUGUAGCUCAGAU-GG-UAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGA 58
chr-5.trna73-Ala-AGC    GGGGAUGUAGCUCAGAU-GG-UAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGA 58
chr-5.trna74-Ala-AGC    GGGGAUGUAGCUCAGAU-GG-UAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGA 58
chr-5.trna75-Ala-AGC    GGGGAUGUAGCUCAGAU-GG-UAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGA 58
chr-5.trna76-Ala-AGC    GGGGAUGUAGCUCAGAU-GG-UAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGA 58
chr-5.trna77-Ala-AGC    GGGGAUGUAGCUCAGAU-GG-UAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGA 58
chr-5.trna81-Ala-AGC    GGGGAUGUAGCUCAGAU-GG-UAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGA 58
chr-5.trna94-Ala-AGC    GGGGAUGUAGCUCAGAU-GG-UAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGA 58
chr-9.trna54-Ala-AGC    GGGGAUGUAGCUCAGAU-GG-UAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGA 58
chr-9.trna27-Ala-AGC    GGGGAUGUAGCUCAGAU-GG-UAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGA 58
chr-1.trna3-Ala-AGC     GGGGAUGUAGCUCAGAU-GG-UAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGA 58
chr-7.trna4-Ala-AGC     GGGGAUGUAGCUCAGAU-GG-UAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGA 58
chr-4.trna73-Ala-AGC    GGGGAUGUAGCUCAGAU-GG-UAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGUUCGA 58
chr-7.trna17-Ala-AGC    UGGGAUGUAGCUCAUAU-GG-UAGAGCGCUCGCUUAGCAUGCGAGAGGUAUGGGAAUCAA 58
chr-8.trna155-Ala-AGC   GCUCUCGUAGCUCAGUU-GGUUAGAGCACCGGUUAAGCAAGCGGGAGGU-CCUGAUUUGA 58
chr-8.trna66-Ala-TGC    GGUGUUGUGUUGUAGUUAGGUUAUCACAUCAGUCUUGCACACUGAAGUUUGCCGGUUUGA 60
                        .........10........20........30........40........50.........

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chr-8.trna129-Ala-TGC   CUCCCGCACAAGCUA- 72
chr-8.trna95-Ala-TGC    CUCCCGCACAAGCUC- 72
chr-5.trna87-Ala-TGC    CUCCCACACAGGCUC- 72
chr-5.trna56-Ala-TGC    CUACCACACAGGCUC- 72
chr-2.trna7-Ala-TGC     UUCCCACACAGGCUC- 72
chr-8.trna85-Ala-TGC    AUCCCGCACGGGCUC- 72
chr-8.trna84-Ala-TGC    AUCCCGCACGGGCUC- 72
chr-3.trna60-Ala-TGC    AUCCCGCACAGGCUC- 72
chr-9.trna6-Ala-TGC     AUCCUGCAUAGGCUC- 72
chr-6.trna23-Ala-TGC    AUCCCACAUAGGCUC- 72
chr-1.trna39-Ala-TGC    AUCCCGCAUAGGCUC- 72
chr-6.trna77-Ala-TGC    AUCCCGCACGGGCUC- 70
chr-4.trna70-Ala-TGC    AUCCUGCACGGGAUCU 72
chr-1.trna8-Ala-CGC     UUCCCCGCACCUCCA- 73
chr-3.trna23-Ala-CGC    UUCCCCGCAGCUCCA- 73
chr-5.trna64-Ala-CGC    UUCCCCGCACCUCCA- 73
chr-6.trna56-Ala-CGC    UUCCCCGCACCUCCA- 73
chr-5.trna102-Ala-TGC   UACCCUGCAUCUCCA- 73
chr-8.trna82-Ala-TGC    UACCCUGCAUCUCCA- 73
chr-3.trna9-Ala-TGC     UCCCCCGCAUCUCCA- 73
chr-3.trna8-Ala-TGC     UCCCCCGCAUCUCCA- 73
chr-6.trna37-Ala-TGC    UCCCCCACAUCUCCA- 73
chr-3.trna10-Ala-TGC    UCCCCCGCAUCUCCA- 73
chr-3.trna53-Ala-TGC    UCCCCCGCAUCUCCA- 73
chr-4.trna57-Ala-TGC    UCCCCCGCAUCUCCA- 73
chr-6.trna41-Ala-TGC    UCCCCCGCAUCUCCA- 73
chr-6.trna2-Ala-TGC     UCCCCCGCAUCUCCA- 73
chr-6.trna3-Ala-TGC     UCCCCCGCAUCUCCA- 73
chr-4.trna27-Ala-AGC    UACCCCGCAUCUCCA- 73
chr-5.trna38-Ala-AGC    UACCCCGCAUCUCCA- 73
chr-5.trna53-Ala-AGC    UACCCCGCAUCUCCA- 73
chr-5.trna73-Ala-AGC    UACCCCGCAUCUCCA- 73
chr-5.trna74-Ala-AGC    UACCCCGCAUCUCCA- 73
chr-5.trna75-Ala-AGC    UACCCCGCAUCUCCA- 73
chr-5.trna76-Ala-AGC    UACCCCGCAUCUCCA- 73
chr-5.trna77-Ala-AGC    UACCCCGCAUCUCCA- 73
chr-5.trna81-Ala-AGC    UACCCCGCAUCUCCA- 73
chr-5.trna94-Ala-AGC    UACCCCGCAUCUCCA- 73
chr-9.trna54-Ala-AGC    UACCCCGCAUCUCCA- 73
chr-9.trna27-Ala-AGC    UACCCCGCAUCUCCA- 73
chr-1.trna3-Ala-AGC     UACCCCGCAUCUCCA- 73
chr-7.trna4-Ala-AGC     UACCCCGCAUCUCCA- 73
chr-4.trna73-Ala-AGC    UACCCCGCAUCUCCA- 73
chr-7.trna17-Ala-AGC    UACCCUGCAUCCUAU- 73
chr-8.trna155-Ala-AGC   CUCUCAACGAGAGCA- 73
chr-8.trna66-Ala-TGC    GCCCGGGCAACGCCA- 75
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