```
                          ...(((((((((((((.(((.....(((....)))).)))))))).........((((.
chr-5A.trna65-Val-AAC     ---GGUGUCGUUGUGUAGUUGGUUAUCACGUCAGUCUAACACACUG--AAGGUCUUCGGU 55
chr-2D.trna30-Val-AAC     ---GGUUUCGUGGUGUAGUUGGUCAUCACGUCAGUCUAACACACUG--AAGGUCCCCGGU 55
chr-2C.trna82-Val-AAC     ---GGUUUCGUGGUGUAGUUGGUCAUCACGUCAGUCUAACACACUG--AAGGUCCCCGGU 55
chr-2A.trna29-Val-AAC     ---GGUUUCGUGGUGUAGUUGGUCAUCACGUCAGUCUAACACACUG--AAGGUCCCCGGU 55
chr-2B.trna37-Val-AAC     ---GGUUUCGUGGUGUAGUUGGUCAUCACGUCAGUCUAACACACUG--AAGGUCCCCGGU 55
chr-1A.trna52-Val-AAC     ---GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUG--AAGGUCUCCGGU 55
chr-1B.trna46-Val-AAC     ---GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUG--AAGGUCUCCGGU 55
chr-1B.trna47-Val-AAC     ---GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUG--AAGGUCUCCGGU 55
chr-6D.trna14-Val-AAC     ---GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUG--AAGGUCUCCGGU 55
chr-1C.trna40-Val-AAC     ---GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUG--AAGGUCUCCGGU 55
chr-1C.trna41-Val-AAC     ---GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUG--AAGGUCUCCGGU 55
chr-1D.trna73-Val-AAC     ---GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUG--AAGGUCUCCGGU 55
chr-2A.trna31-Val-AAC     ---GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUG--AAGGUCUCCGGU 55
chr-2C.trna28-Val-AAC     ---GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUG--AAGGUCUCCGGU 55
chr-6C.trna18-Val-AAC     ---GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUG--AAGGUCUCCGGU 55
chr-4B.trna43-Val-AAC     ---GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUG--AAGGUCUCCGGU 55
chr-4C.trna38-Val-AAC     ---GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUG--AAGGUCUCCGGU 55
chr-6B.trna70-Val-AAC     ---GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUG--AAGGUCUCCGGU 55
chr-7A.trna105-Val-AAC    ---GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUG--AAGGUCUCCGGU 55
chr-7B.trna2-Val-AAC      ---GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUG--AAGGUCUCCGGU 55
chr-2A.trna45-Val-AAC     ---GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUG--AAGGUCUCCGGU 55
chr-2C.trna60-Val-AAC     ---GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUG--AAGGUCUCCGGU 55
chr-2D.trna39-Val-AAC     ---GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUG--AAGGUCUCCGGU 55
chr-7C.trna84-Val-AAC     ---GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUG--AAGGUCUCCGGU 55
chr-5C.trna1-Val-AAC      ---GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUG--AAGGUCUCCGGU 55
chr-5B.trna73-Val-AAC     ---GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUG--AAGGUCUCCGGU 55
chr-1A.trna54-Val-AAC     ---GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUG--AAGGUCUCCGGU 55
chr-1B.trna45-Val-AAC     ---GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUG--AAGGUCUCCGGU 55
chr-1B.trna68-Val-AAC     ---GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUG--AAGGUCUCCGGU 55
chr-3C.trna16-Val-AAC     ---GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUG--AAGGUCUCCGGU 55
chr-6D.trna2-Val-AAC      ---GUUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUG--AAGGUCUCCGGU 55
chr-3C.trna17-Val-AAC     ---GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUG--AAGGUCUCCGGU 55
chr-8B.trna38-Val-AAC     ---GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUG--AAGGUCUCCGGU 55
chr-6C.trna5-Val-AAC      ---GUUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUG--AAGGUCUCCGGU 55
chr-5A.trna25-Val-AAC     ---GUUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUG--AAGGUCUCCGGU 55
chr-5A.trna26-Val-AAC     ---GUUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUG--AAGGUCUCCGGU 55
chr-5D.trna21-Val-AAC     ---GUUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUG--AAGGUCUCCGGU 55
chr-6A.trna1-Val-AAC      ---GUUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUG--AAGGUCUCCGGU 55
chr-1D.trna68-Val-AAC     ---GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUG--AAGGUCUCCGGU 55
chr-1D.trna69-Val-AAC     ---GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUG--AAGGUCUCCGGU 55
chr-6A.trna17-Val-AAC     ---GUUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUG--AAGGUCUCCGGU 55
chr-7A.trna89-Val-AAC     ---GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUG--AAGGUCUCAGGU 55
chr-1A.trna51-Val-AAC     ---GGUUUCGUGGUGUAGUUGGUUGUCACGUCAGUCUAACACACUG--AAGGUCUCCAGU 55
chr-1B.trna42-Val-AAC     ---GGUUUCGUGGUGUAGUUGGUUGUCACGUCAGUCUAACACACUG--AAGGUCUCCAGU 55
chr-2C.trna44-Val-AAC     ---GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUG--AAGGUCUCCGGU 55
chr-1A.trna41-Val-CAC     ---GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUA--AAGGUCCCCAGU 55
chr-1D.trna92-Val-CAC     ---GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUA--AAGGUCCCCAGU 55
chr-2D.trna15-Val-CAC     ---GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUA--AAGGUCCCCAGU 55
chr-5A.trna2-Val-CAC      ---GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUA--AAGGUCCCCAGU 55
chr-5A.trna9-Val-CAC      ---GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUA--AAGGUCCCCAGU 55
chr-5A.trna10-Val-CAC     ---GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUA--AAGGUCCCCAGU 55
chr-7D.trna30-Val-CAC     ---GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUA--AAGGUCCCCAGU 55
chr-7D.trna29-Val-CAC     ---GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUA--AAGGUCCCCAGU 55
chr-5A.trna47-Val-CAC     ---GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUA--AAGGUCCCCAGU 55
chr-5B.trna7-Val-CAC      ---GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUA--AAGGUCCCCAGU 55
chr-5B.trna35-Val-CAC     ---GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUA--AAGGUCCCCAGU 55
chr-5C.trna23-Val-CAC     ---GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUA--AAGGUCCCCAGU 55
chr-5C.trna24-Val-CAC     ---GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUA--AAGGUCCCCAGU 55
chr-5C.trna38-Val-CAC     ---GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUA--AAGGUCCCCAGU 55
chr-7B.trna50-Val-CAC     ---GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUA--AAGGUCCCCAGU 55
chr-7B.trna41-Val-CAC     ---GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUA--AAGGUCCCCAGU 55
chr-5D.trna12-Val-CAC     ---GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUA--AAGGUCCCCAGU 55
chr-5D.trna13-Val-CAC     ---GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUA--AAGGUCCCCAGU 55
chr-5D.trna14-Val-CAC     ---GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUA--AAGGUCCCCAGU 55
chr-5D.trna34-Val-CAC     ---GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUA--AAGGUCCCCAGU 55
chr-6B.trna19-Val-CAC     ---GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUA--AAGGUCCCCAGU 55
chr-6C.trna10-Val-CAC     ---GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUA--AAGGUCCCCAGU 55
chr-7A.trna68-Val-CAC     ---GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUA--AAGGUCCCCAGU 55
chr-7A.trna48-Val-CAC     ---GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUA--AAGGUCCCCAGU 55
chr-7A.trna69-Val-CAC     ---GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUA--AAGGUCCCCAGU 55
chr-1B.trna61-Val-CAC     ---GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUA--AAGGUCCCUAGU 55
chr-1B.trna64-Val-CAC     ---GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUA--AAGGUCCCUAGU 55
chr-3D.trna6-Val-CAC      ---GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUA--AAGGUCCCUAGU 55
chr-2A.trna79-Val-CAC     ---GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUA--AAGGUCCCCAGU 55
chr-7A.trna47-Val-CAC     ---GUCUGGCUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUA--AAGGUCCCCAGU 55
chr-5C.trna44-Val-CAC     ---GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUG--AAAUUCCCCAGU 55
chr-2C.trna102-Val-CAC    ---GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUA--AAGGU-CCCAGU 54
chr-4D.trna45-Val-AAC     ---UGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUG--AAGGUCUCCGGU 55
chr-1B.trna43-Val-AAC     ---GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUG--AAGGUCUCCGGU 55
chr-3D.trna14-Val-CAC     ---GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUA--AAGGUCCCCAAU 55
chr-7D.trna78-Val-AAC     ---GAUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUG--AAGGUCUCCGGU 55
chr-2A.trna66-Val-AAC     ---GGUUUCGUGGUGUAGUUAAUUAUCACGUCAGUCUAACACACUG--AAGGUCUCCAGU 55
chr-6B.trna80-Val-CAC     ---GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACAAUA--AAGGUCCCCAGU 55
chr-1B.trna62-Val-AAC     ---GGUUUCGUGGUGUAGUUGGUUGUCACGUCAGUCUAACACUCUG--AAGGUCUCCAGU 55
chr-2A.trna53-Val-TAC     ---GGUGCUGUGGUGUAGUUGGUUAUCACGUUAGUCUUACACACUAUAAAGGUCUCCAGU 57
chr-2A.trna32-Val-AAC     ---GGUUUCGUGGUGUAGUUGAUUAUCACGUCAGUCUAACACGCUG--AAGGUCUCCGGU 55
chr-3D.trna57-Val-TAC     ---GUUGCCGUGGUGUAG-UGGUUAUUACGUCAGUCUUACACACUG--AAGGUCUCCAGU 54
chr-7A.trna2-Val-TAC      ---GUUGCUGUGGUGUAC-UGGUUAUCACGUCAGUCUUACACACUG--AAGGUCUCCAGU 54
chr-6D.trna60-Val-TAC     ---GUUGCUGUGGUGUAG-UGGUUAUCACGUCAGUCUUACACACUG--AAGGUCUCCAGU 54
chr-5A.trna64-Val-TAC     ---GUUGCUGUGGUGUAG-UGGUUAUCACGUCAGUCUUACACACUG--AAGGUCUCCAGU 54
chr-7B.trna3-Val-TAC      ---GUUGCUGUGGUGUAG-UGGUUAUCACGUCAGUCUUACACACUG--AAGGUCUCCAGU 54
chr-7A.trna11-Val-TAC     ---GUUGCUGUGGUGUAG-UGGUUAUCACGUCAGUCUUACACACUG--AAGGUCUCCAGU 54
chr-7B.trna8-Val-TAC      ---GUUGCUGUGGUGUAG-UGGUUAUCACGUCAGUCUUACACACUG--AAGGUCUCCAGU 54
chr-7B.trna77-Val-TAC     ---GUUGCUGUGGUGUAG-UGGUUAUCACGUCAGUCUUACACACUG--AAGGUCUCCAGU 54
chr-7C.trna1-Val-TAC      ---GUUGCUGUGGUGUAG-UGGUUAUCACGUCAGUCUUACACACUG--AAGGUCUCCAGU 54
chr-7A.trna8-Val-TAC      ---GUUGCUGUGGUGUAC-UGGUUAUCACGUCAGUCUUACACACUG--AAGGUCUCCAGU 54
chr-7D.trna7-Val-TAC      ---GUUGCUGUGGUGUAG-UGGUUAUCACGUCAGUCUUACACACUG--AAGGUCUCCAGU 54
chr-3D.trna24-Val-TAC     ---GUUGCCGUGGUGUAG-UGGUUAUCACGUCAGUCUUACACACUG--AAGGUCUCCAGU 54
chr-3A.trna47-Val-TAC     ---GUUGCCGUGGUGUAG-UGGUUAUCACGUCAGUCUUACACACUG--AAGGUCUCCAGU 54
chr-3B.trna53-Val-TAC     ---GUUGCCGUGGUGUAG-UGGUUAUCACGUCAGUCUUACACACUG--AAGGUCUCCAGU 54
chr-3B.trna52-Val-TAC     ---GUUGCCGUGGUGUAG-UGGUUAUCACGUCAGUCUUACACACUG--AAGGUCUCCAGU 54
chr-7C.trna2-Val-TAC      ---GUUGCUGUGGUGUAG-UGGUUAUCACGUCAGUCUUACACACUG--AAGGUCUCCAGU 54
chr-7D.trna1-Val-TAC      ---GUUGCUGUGGUGUAG-UGGUUAUCACGUCAGUCUUACACACUG--CAGGUCUCCAGU 54
chr-2B.trna19-Val-TAC     ---GUCUGGGCGGUGUAGUUGGUUAUCACGUUAGUCUUACACACUA--AAGGUCCCAGUU 55
chr-5C.trna53-Val-CAC     GAUGUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUA--AAGGUCCCCAGU 58
chr-1D.trna76-Val-AAC     ---------GUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUG--AAGGUCUCCGGU 49
chr-3B.trna17-Val-GAC     ---AGGGAUAUAACUUAGCGG--UAGAGUGUCACCUUGACGUGGUG--GAAGUCAUCAGU 53
chr-2A.trna56-Val-GAC     ---AAGGAUAUAACUCAGCGG--UAGAGUGUCACCUUGACGUGGUG--GAAGUCAUCAGU 53
chr-6B.trna72-Val-GAC     ---AGGGAUAUAACUCAGUGG--UAGAGUGUCACCUUGACGUGGUG--GAAGUCAUCAGU 53
chr-2B.trna62-Val-GAC     ---AGGGAUAUAGCUCAGCGG--UAGAGUGUCACCUUGACGUGGUG--GAAGUCAUCAGU 53
                          .........10........20........30........40........50.........
                          .......)))))))))))).
chr-5A.trna65-Val-AAC     U-CGAACCCGGGCGACGCCA 74
chr-2D.trna30-Val-AAC     U-CGAGCCCGGGCGAAACCA 74
chr-2C.trna82-Val-AAC     U-CGAGCCCGGGCGAAACCA 74
chr-2A.trna29-Val-AAC     U-CGAGCCCGGGCGAAACCA 74
chr-2B.trna37-Val-AAC     U-CGAGCCCGGGCGAAACCA 74
chr-1A.trna52-Val-AAC     U-CGAACCCGGGCGAAGCCA 74
chr-1B.trna46-Val-AAC     U-CGAACCCGGGCGAAGCCA 74
chr-1B.trna47-Val-AAC     U-CGAACCCGGGCGAAGCCA 74
chr-6D.trna14-Val-AAC     U-CGAACCCGGGCGAAGCCA 74
chr-1C.trna40-Val-AAC     U-CGAACCCGGGCGAAGCCA 74
chr-1C.trna41-Val-AAC     U-CGAACCCGGGCGAAGCCA 74
chr-1D.trna73-Val-AAC     U-CGAACCCGGGCGAAGCCA 74
chr-2A.trna31-Val-AAC     U-CGAACCCGGGCGAAGCCA 74
chr-2C.trna28-Val-AAC     U-CGAACCCGGGCGAAGCCA 74
chr-6C.trna18-Val-AAC     U-CGAACCCGGGCGAAGCCA 74
chr-4B.trna43-Val-AAC     U-CGAACCCGGGCGAAGCCA 74
chr-4C.trna38-Val-AAC     U-CGAACCCGGGCGAAGCCA 74
chr-6B.trna70-Val-AAC     U-CGAACCCGGGCGAAGCCA 74
chr-7A.trna105-Val-AAC    U-CGAACCCGGGCGACGCCA 74
chr-7B.trna2-Val-AAC      U-CGAACCCGGGCGACGCCA 74
chr-2A.trna45-Val-AAC     U-CGAACCCGGGCGACGCCA 74
chr-2C.trna60-Val-AAC     U-CGAACCCGGGCGACGCCA 74
chr-2D.trna39-Val-AAC     U-CGAACCCGGGCGACGCCA 74
chr-7C.trna84-Val-AAC     U-CGAACCCGGGCGACGCCA 74
chr-5C.trna1-Val-AAC      U-CGAACCCGGGCGACGCCA 74
chr-5B.trna73-Val-AAC     U-CGAACCCGGGCGACGCCA 74
chr-1A.trna54-Val-AAC     U-CGAGUCCGGGCGACGCCA 74
chr-1B.trna45-Val-AAC     U-CGAGUCCGGGCGACGCCA 74
chr-1B.trna68-Val-AAC     U-CGAGUCCGGGCGACGCCA 74
chr-3C.trna16-Val-AAC     U-CGAGUCCGGGCGAAGCCA 74
chr-6D.trna2-Val-AAC      U-CGAGUCCGGGCGAAAACA 74
chr-3C.trna17-Val-AAC     U-CGAGUCCGGGCGAAGCCA 74
chr-8B.trna38-Val-AAC     U-CGAGUCCGGGCGACGCCA 74
chr-6C.trna5-Val-AAC      U-CGAGUCCGGGCGAAAACA 74
chr-5A.trna25-Val-AAC     U-CGAGUCCGGGCGAAAACA 74
chr-5A.trna26-Val-AAC     U-CGAGUCCGGGCGAAAACA 74
chr-5D.trna21-Val-AAC     U-CGAGUCCGGGCGAAAACA 74
chr-6A.trna1-Val-AAC      U-CGAGUCCGGGCGAAAACA 74
chr-1D.trna68-Val-AAC     U-CGAGUCCAGGCGACGCCA 74
chr-1D.trna69-Val-AAC     U-CGAGUCCAGGCGACGCCA 74
chr-6A.trna17-Val-AAC     U-CGAGUCCUGGCGAAAACA 74
chr-7A.trna89-Val-AAC     U-CGAACCCGGGCGACGCCA 74
chr-1A.trna51-Val-AAC     U-CGAACCCGGGCGAAGCCA 74
chr-1B.trna42-Val-AAC     U-CGAACCCGGGCGAAGCCA 74
chr-2C.trna44-Val-AAC     UCCGAACCCGGGCGACGCCA 75
chr-1A.trna41-Val-CAC     U-CGAACCUGGGCUCAGACA 74
chr-1D.trna92-Val-CAC     U-CGAACCUGGGCUCAGACA 74
chr-2D.trna15-Val-CAC     U-CGAACCUGGGCUCAGACA 74
chr-5A.trna2-Val-CAC      U-CGAACCUGGGCUCAGACA 74
chr-5A.trna9-Val-CAC      U-CGAACCUGGGCUCAGACA 74
chr-5A.trna10-Val-CAC     U-CGAACCUGGGCUCAGACA 74
chr-7D.trna30-Val-CAC     U-CGAACCUGGGCUCAGACA 74
chr-7D.trna29-Val-CAC     U-CGAACCUGGGCUCAGACA 74
chr-5A.trna47-Val-CAC     U-CGAACCUGGGCUCAGACA 74
chr-5B.trna7-Val-CAC      U-CGAACCUGGGCUCAGACA 74
chr-5B.trna35-Val-CAC     U-CGAACCUGGGCUCAGACA 74
chr-5C.trna23-Val-CAC     U-CGAACCUGGGCUCAGACA 74
chr-5C.trna24-Val-CAC     U-CGAACCUGGGCUCAGACA 74
chr-5C.trna38-Val-CAC     U-CGAACCUGGGCUCAGACA 74
chr-7B.trna50-Val-CAC     U-CGAACCUGGGCUCAGACA 74
chr-7B.trna41-Val-CAC     U-CGAACCUGGGCUCAGACA 74
chr-5D.trna12-Val-CAC     U-CGAACCUGGGCUCAGACA 74
chr-5D.trna13-Val-CAC     U-CGAACCUGGGCUCAGACA 74
chr-5D.trna14-Val-CAC     U-CGAACCUGGGCUCAGACA 74
chr-5D.trna34-Val-CAC     U-CGAACCUGGGCUCAGACA 74
chr-6B.trna19-Val-CAC     U-CGAACCUGGGCUCAGACA 74
chr-6C.trna10-Val-CAC     U-CGAACCUGGGCUCAGACA 74
chr-7A.trna68-Val-CAC     U-CGAACCUGGGCUCAGACA 74
chr-7A.trna48-Val-CAC     U-CGAACCUGGGCUCAGACA 74
chr-7A.trna69-Val-CAC     U-CGAACUUGGGCUCAGACA 74
chr-1B.trna61-Val-CAC     U-CGAACCUGGGCUCAGACA 74
chr-1B.trna64-Val-CAC     U-CGAACCUGGGCUCAGACA 74
chr-3D.trna6-Val-CAC      U-CGAACCUGGGCUCAGACA 74
chr-2A.trna79-Val-CAC     U-CUAACCUGGGCUCAGACA 74
chr-7A.trna47-Val-CAC     U-CGAACCUGGGCUCAGACA 74
chr-5C.trna44-Val-CAC     U-CGAACCUGGGCUUAGACA 74
chr-2C.trna102-Val-CAC    U-CGAACCUGGGCUCAGACA 73
chr-4D.trna45-Val-AAC     U-CGAACCCUGGCGAAGCCA 74
chr-1B.trna43-Val-AAC     U-CGAACCAGGGCGAAGCCA 74
chr-3D.trna14-Val-CAC     U-CGAACCUGGGCUCAGACA 74
chr-7D.trna78-Val-AAC     U-CGAACCCGGGCGACGCCA 74
chr-2A.trna66-Val-AAC     U-CGAGUCCGGGCGAAGCCA 74
chr-6B.trna80-Val-CAC     U-CAAACCUGGGCUCAGACA 74
chr-1B.trna62-Val-AAC     U-CGACCCGGGGUGAAGCCA 74
chr-2A.trna53-Val-TAC     U-CGAACCUGGGCAACACCA 76
chr-2A.trna32-Val-AAC     U-CGAACCCAGGCGAUGCCA 74
chr-3D.trna57-Val-TAC     U-CGAUCCUGGGCGGCAACA 73
chr-7A.trna2-Val-TAC      U-CGAUCCUGGGCAGCAACA 73
chr-6D.trna60-Val-TAC     U-CGAUCCUGGGCAGCAACA 73
chr-5A.trna64-Val-TAC     U-CGAUCCUGGGCAGCAACA 73
chr-7B.trna3-Val-TAC      U-CGAUCCUGGGCAGCAACA 73
chr-7A.trna11-Val-TAC     U-CGAUCCUGGGCAGCAACA 73
chr-7B.trna8-Val-TAC      U-CGAUCCUGGGCAGCAACA 73
chr-7B.trna77-Val-TAC     U-CGAUCCUGGGCAGCAACA 73
chr-7C.trna1-Val-TAC      U-CGAUCCUGGGCAGCAACA 73
chr-7A.trna8-Val-TAC      U-CGAUCCUGGGCAGCAACA 73
chr-7D.trna7-Val-TAC      U-CGAUCCUGGGCAGCAACA 73
chr-3D.trna24-Val-TAC     U-CGAUCCUGGGCGGCAACA 73
chr-3A.trna47-Val-TAC     U-CGAUCCUGGGCGGCAACA 73
chr-3B.trna53-Val-TAC     U-CGAUCCUGGGCGGCAACA 73
chr-3B.trna52-Val-TAC     U-CGAUCCUGGGCGGCAACA 73
chr-7C.trna2-Val-TAC      U-CGAUCCUGGGCAGAAACA 73
chr-7D.trna1-Val-TAC      U-CGAUCCUGGGCAGCAACA 73
chr-2B.trna19-Val-TAC     --CGAA-CCUGGCUCAGACA 72
chr-5C.trna53-Val-CAC     U-CGAACCUGGGCUUUUUUU 77
chr-1D.trna76-Val-AAC     U-CGAGUCCGGGGCGACGCCA 68
chr-3B.trna17-Val-GAC     U-CGAGCCUGAUUAUUCCUA 72
chr-2A.trna56-Val-GAC     U-CGAGCCUGAUUAUCCCUA 72
chr-6B.trna72-Val-GAC     U-UGAGCCUGAUUAUCCCUA 72
chr-2B.trna62-Val-GAC     U-CGAGCCUGAUUAUCCCUA 72
                          .........70.........
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