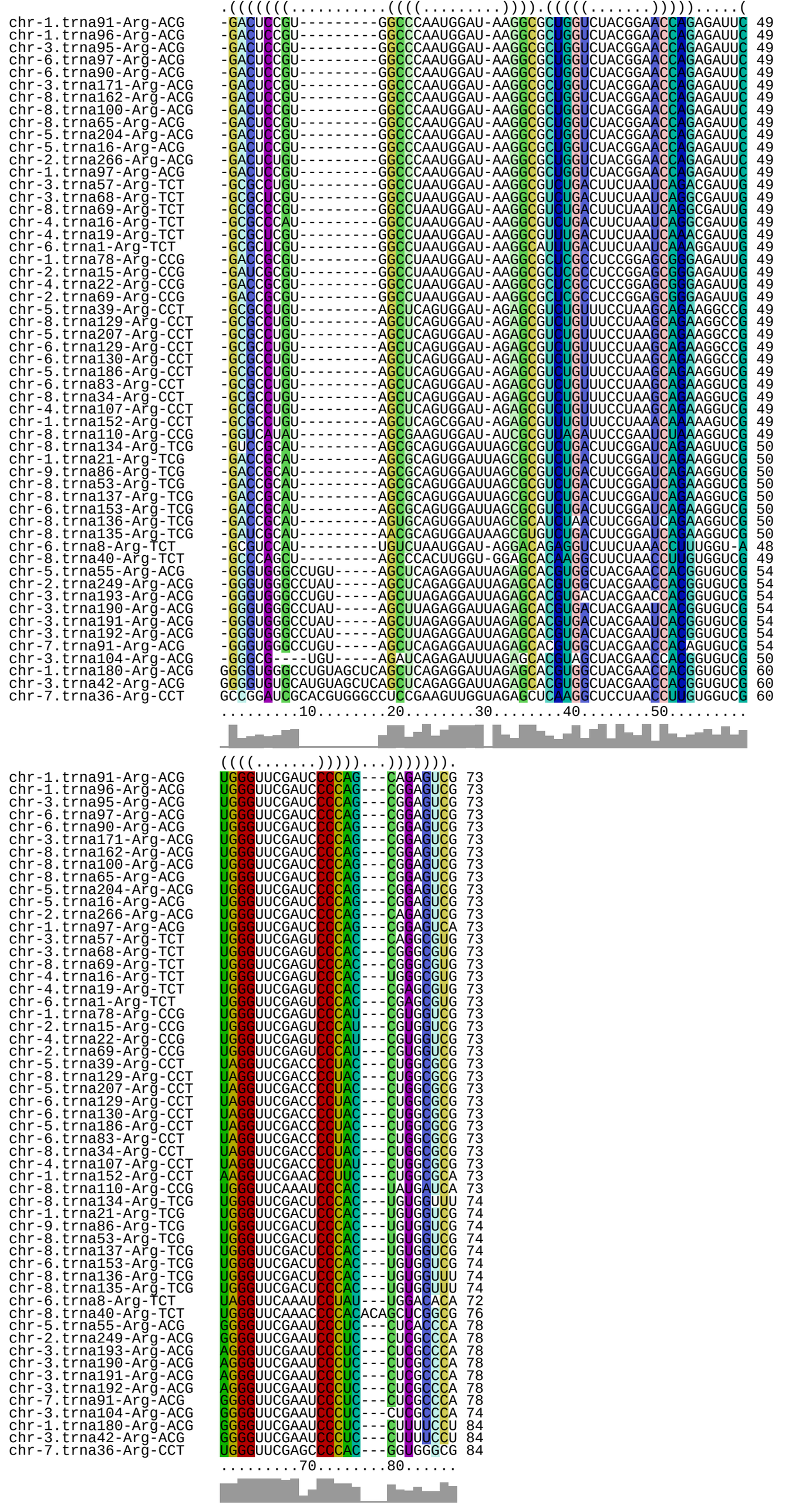
.(((((((..........((((.........)))).(((((.......)))))).....(
chr-1.trna91-Arg-ACG -GACUCCGU---------GGCCCAAUGGAU-AAGGCGCUGGUCUACGGAACCAGAGAUUC 49
chr-1.trna96-Arg-ACG -GACUCCGU---------GGCCCAAUGGAU-AAGGCGCUGGUCUACGGAACCAGAGAUUC 49
chr-3.trna95-Arg-ACG -GACUCCGU---------GGCCCAAUGGAU-AAGGCGCUGGUCUACGGAACCAGAGAUUC 49
chr-6.trna97-Arg-ACG -GACUCCGU---------GGCCCAAUGGAU-AAGGCGCUGGUCUACGGAACCAGAGAUUC 49
chr-6.trna90-Arg-ACG -GACUCCGU---------GGCCCAAUGGAU-AAGGCGCUGGUCUACGGAACCAGAGAUUC 49
chr-3.trna171-Arg-ACG -GACUCCGU---------GGCCCAAUGGAU-AAGGCGCUGGUCUACGGAACCAGAGAUUC 49
chr-8.trna162-Arg-ACG -GACUCCGU---------GGCCCAAUGGAU-AAGGCGCUGGUCUACGGAACCAGAGAUUC 49
chr-8.trna100-Arg-ACG -GACUCCGU---------GGCCCAAUGGAU-AAGGCGCUGGUCUACGGAACCAGAGAUUC 49
chr-8.trna65-Arg-ACG -GACUCCGU---------GGCCCAAUGGAU-AAGGCGCUGGUCUACGGAACCAGAGAUUC 49
chr-5.trna204-Arg-ACG -GACUCCGU---------GGCCCAAUGGAU-AAGGCGCUGGUCUACGGAACCAGAGAUUC 49
chr-5.trna16-Arg-ACG -GACUCCGU---------GGCCCAAUGGAU-AAGGCGCUGGUCUACGGAACCAGAGAUUC 49
chr-2.trna266-Arg-ACG -GACUCUGU---------GGCCCAAUGGAU-AAGGCGCUGGUCUACGGAACCAGAGAUUC 49
chr-1.trna97-Arg-ACG -GACUCCGU---------GGCCCAAUGGAU-AAGGCGCUGGUCUACGGAACCAGAGAUUC 49
chr-3.trna57-Arg-TCT -GCGCCUGU---------GGCCUAAUGGAU-AAGGCGUCUGACUUCUAAUCAGACGAUUG 49
chr-3.trna68-Arg-TCT -GCGCUCGU---------GGCCUAAUGGAU-AAGGCGUCUGACUUCUAAUCAGGCGAUUG 49
chr-8.trna69-Arg-TCT -GCGCCCGU---------GGCCUAAUGGAU-AAGGCGUCUGACUUCUAAUCAGGCGAUUG 49
chr-4.trna16-Arg-TCT -GCGCCCAU---------GGCCUAAUGGAU-AAGGCGUCUGACUUCUAAUCAGGCGAUUG 49
chr-4.trna19-Arg-TCT -GCGCUCGU---------GGCCUAAUGGAU-AAGGCGUCUGACUUCUAAUCAAACGAUUG 49
chr-6.trna1-Arg-TCT -GCGCUCGU---------GGCCUAAUGGAU-AAGGCAUUUGACUUCUAAUCAAAGGAUUG 49
chr-1.trna78-Arg-CCG -GACCGCGU---------GGCCUAAUGGAU-AAGGCGCUCGCCUCCGGAGCGGGAGAUUG 49
chr-2.trna15-Arg-CCG -GAUCGCGU---------GGCCUAAUGGAU-AAGGCGCUCGCCUCCGGAGCGGGAGAUUG 49
chr-4.trna22-Arg-CCG -GACCGCGU---------GGCCUAAUGGAU-AAGGCGCUCGCCUCCGGAGCGGGAGAUUG 49
chr-2.trna69-Arg-CCG -GACCGCGU---------GGCCUAAUGGAU-AAGGCGCUCGCCUCCGGAGCGGGAGAUUG 49
chr-5.trna39-Arg-CCT -GCGCCUGU---------AGCUCAGUGGAU-AGAGCGUCUGUUUCCUAAGCAGAAGGCCG 49
chr-8.trna129-Arg-CCT -GCGCCUGU---------AGCUCAGUGGAU-AGAGCGUCUGUUUCCUAAGCAGAAGGCCG 49
chr-5.trna207-Arg-CCT -GCGCCUGU---------AGCUCAGUGGAU-AGAGCGUCUGUUUCCUAAGCAGAAGGCCG 49
chr-6.trna129-Arg-CCT -GCGCCUGU---------AGCUCAGUGGAU-AGAGCGUCUGUUUCCUAAGCAGAAGGCCG 49
chr-6.trna130-Arg-CCT -GCGCCUGU---------AGCUCAGUGGAU-AGAGCGUCUGUUUCCUAAGCAGAAGGCCG 49
chr-5.trna186-Arg-CCT -GCGCCUGU---------AGCUCAGUGGAU-AGAGCGUCUGUUUCCUAAGCAGAAGGUCG 49
chr-6.trna83-Arg-CCT -GCGCCUGU---------AGCUCAGUGGAU-AGAGCGUCUGUUUCCUAAGCAGAAGGUCG 49
chr-8.trna34-Arg-CCT -GCGCCUGU---------AGCUCAGUGGAU-AGAGCGUCUGUUUCCUAAGCAGAAGGUCG 49
chr-4.trna107-Arg-CCT -GCGCCUGU---------AGCUCAGUGGAU-AGAGCGUCUGUUUCCUAAGCAGAAGGUCG 49
chr-1.trna152-Arg-CCT -GCGCCUGU---------AGCUCAGCGGAU-AGAGCGUUUGUUUCCUAAACAAAAAGUCG 49
chr-8.trna110-Arg-CCG -GGUCAUAU---------AGCGAAGUGGAU-AUCGCGUUAGAUUCCGAAUCUAAAGGUCG 49
chr-8.trna134-Arg-TCG -GUCCGCAU---------AGCGCAGUGGAUUAGCGCGUCUGACUUCGGAUCAGAAGUUCG 50
chr-1.trna21-Arg-TCG -GACCGCAU---------AGCGCAGUGGAUUAGCGCGUCUGACUUCGGAUCAGAAGGUCG 50
chr-9.trna86-Arg-TCG -GACCGCAU---------AGCGCAGUGGAUUAGCGCGUCUGACUUCGGAUCAGAAGGUCG 50
chr-8.trna53-Arg-TCG -GACCGCAU---------AGCGCAGUGGAUUAGCGCGUCUGACUUCGGAUCAGAAGGUCG 50
chr-8.trna137-Arg-TCG -GACCGCAU---------AGCGCAGUGGAUUAGCGCGUCUGACUUCGGAUCAGAAGGUCG 50
chr-6.trna153-Arg-TCG -GACCGCAU---------AGCGCAGUGGAUUAGCGCGUCUGACUUCGGAUCAGAAGGUCG 50
chr-8.trna136-Arg-TCG -GACCGCAU---------AGUGCAGUGGAUUAGCGCAUCUAACUUCGGAUCAGAAGGUCG 50
chr-8.trna135-Arg-TCG -GAUCGCAU---------AACGCAGUGGAUAAGCGUGUCUGACUUCGGAUCAGAAGGUCG 50
chr-6.trna8-Arg-TCT -GCGUCCAU---------UGUCUAAUGGAU-AGGACAGAGGUCUUCUAAACCUUUGGU-A 48
chr-8.trna40-Arg-TCT -GCCCAGCU---------AGCCCACUUGGU-GGAGCACAAGGCUUCUAACCUUGUGGUCG 49
chr-5.trna55-Arg-ACG -GGGUGGGCCUGU-----AGCUCAGAGGAUUAGAGCACGUGGCUACGAACCACGGUGUCG 54
chr-2.trna249-Arg-ACG -GGGUGGGCCUAU-----AGCUCAGAGGAUUAGAGCACGUGGCUACGAACCACGGUGUCG 54
chr-3.trna193-Arg-ACG -GGGUGGGCCUGU-----AGCUUAGAGGAUUAGAGCACGUGACUACGAACCACGGUGUCG 54
chr-3.trna190-Arg-ACG -GGGUGGGCCUAU-----AGCUUAGAGGAUUAGAGCACGUGACUACGAAUCACGGUGUCG 54
chr-3.trna191-Arg-ACG -GGGUGGGCCUAU-----AGCUUAGAGGAUUAGAGCACGUGACUACGAAUCACGGUGUCG 54
chr-3.trna192-Arg-ACG -GGGUGGGCCUAU-----AGCUUAGAGGAUUAGAGCACGUGACUACGAAUCACGGUGUCG 54
chr-7.trna91-Arg-ACG -GGGUGGGCCUGU-----AGCUCAGAGGAUUAGAGCACGUGGCUACGAACCACAGUGUCG 54
chr-3.trna104-Arg-ACG -GGGCG----UGU-----AGAUCAGAGAUUUAGAGCACGUAGCUACGAACCACGGUGUCG 50
chr-1.trna180-Arg-ACG GGGGUGGGCCUGUAGCUCAGCUCAGAGGAUUAGAGCACGUGGCUACGAACCACGGUGUCG 60
chr-3.trna42-Arg-ACG GGGGUGUGCAUGUAGCUCAGCUCAGAGGAUUAGAGCACGUGGCUACGAACCACGGUGUCG 60
chr-7.trna36-Arg-CCT GCCGGAUCGCACGUGGGCCUCCGAAGUUGGUAGAGCUCAAGGCUCCUAACCUUGUGGUCG 60
.........10.........20.........30.........40.........50.........
(((((.......)))))...)))))))).
chr-1.trna91-Arg-ACG UGGGUUCGAUCCCCAG---CAGAGUCG 73
chr-1.trna96-Arg-ACG UGGGUUCGAUCCCCAG---CGGAGUCG 73
chr-3.trna95-Arg-ACG UGGGUUCGAUCCCCAG---CGGAGUCG 73
chr-6.trna97-Arg-ACG UGGGUUCGAUCCCCAG---CGGAGUCG 73
chr-6.trna90-Arg-ACG UGGGUUCGAUCCCCAG---CGGAGUCG 73
chr-3.trna171-Arg-ACG UGGGUUCGAUCCCCAG---CGGAGUCG 73
chr-8.trna162-Arg-ACG UGGGUUCGAUCCCCAG---CGGAGUCG 73
chr-8.trna100-Arg-ACG UGGGUUCGAUCCCCAG---CGGAGUCG 73
chr-8.trna65-Arg-ACG UGGGUUCGAUCCCCAG---CGGAGUCG 73
chr-5.trna204-Arg-ACG UGGGUUCGAUCCCCAG---CGGAGUCG 73
chr-5.trna16-Arg-ACG UGGGUUCGAUCCCCAG---CGGAGUCG 73
chr-2.trna266-Arg-ACG UGGGUUCGAUCCCCAG---CAGAGUCG 73
chr-1.trna97-Arg-ACG UGGGUUCGAUCCCCAG---CGGAGUCA 73
chr-3.trna57-Arg-TCT UGGGUUCGAGUCCCAC---CAGGCGUG 73
chr-3.trna68-Arg-TCT UGGGUUCGAGUCCCAC---CGGGCGUG 73
chr-8.trna69-Arg-TCT UGGGUUCGAGUCCCAC---CGGGCGUG 73
chr-4.trna16-Arg-TCT UGGGUUCGAGUCCCAC---UGGGCGUG 73
chr-4.trna19-Arg-TCT UGGGUUCGAGUCCCAC---CGAGCGUG 73
chr-6.trna1-Arg-TCT UGGGUUCGAGUCCCAC---CGAGCGUG 73
chr-1.trna78-Arg-CCG UGGGUUCGAGUCCCAU---CGUGGUCG 73
chr-2.trna15-Arg-CCG UGGGUUCGAGUCCCAU---CGUGGUCG 73
chr-4.trna22-Arg-CCG UGGGUUCGAGUCCCAU---CGUGGUCG 73
chr-2.trna69-Arg-CCG UGGGUUCGAGUCCCAU---CGUGGUCG 73
chr-5.trna39-Arg-CCT UAGGUUCGACCCCUAC---CUGGCGCG 73
chr-8.trna129-Arg-CCT UAGGUUCGACCCCUAC---CUGGCGCG 73
chr-5.trna207-Arg-CCT UAGGUUCGACCCCUAC---CUGGCGCG 73
chr-6.trna129-Arg-CCT UAGGUUCGACCCCUAC---CUGGCGCG 73
chr-6.trna130-Arg-CCT UAGGUUCGACCCCUAC---CUGGCGCG 73
chr-5.trna186-Arg-CCT UAGGUUCGACCCCUAC---CUGGCGCG 73
chr-6.trna83-Arg-CCT UAGGUUCGACCCCUAC---CUGGCGCG 73
chr-8.trna34-Arg-CCT UAGGUUCGACCCCUAC---CUGGCGCG 73
chr-4.trna107-Arg-CCT UAGGUUCGACCCCUAU---CUGGCGCG 73
chr-1.trna152-Arg-CCT AAGGUUCGAACCCUUC---CUGGCGCA 73
chr-8.trna110-Arg-CCG UGGGUUCAAAUCCCAC---UAUGAUCA 73
chr-8.trna134-Arg-TCG UGGGUUCGACUCCCAC---UGUGGUUU 74
chr-1.trna21-Arg-TCG UGGGUUCGACUCCCAC---UGUGGUCG 74
chr-9.trna86-Arg-TCG UGGGUUCGACUCCCAC---UGUGGUCG 74
chr-8.trna53-Arg-TCG UGGGUUCGACUCCCAC---UGUGGUCG 74
chr-8.trna137-Arg-TCG UGGGUUCGACUCCCAC---UGUGGUCG 74
chr-6.trna153-Arg-TCG UGGGUUCGACUCCCAC---UGUGGUCG 74
chr-8.trna136-Arg-TCG UGGGUUCGACUCCCAC---UGUGGUUU 74
chr-8.trna135-Arg-TCG UGGGUUCGACUCCCAC---UGUGGUUU 74
chr-6.trna8-Arg-TCT UAGGUUCAAAUCCUAU---UGGACACA 72
chr-8.trna40-Arg-TCT UGGGUUCAAACCCCACACAGCUCGGCG 76
chr-5.trna55-Arg-ACG GGGGUUCGAAUCCCUC---CUCACCCA 78
chr-2.trna249-Arg-ACG GGGGUUCGAAUCCCUC---CUCGCCCA 78
chr-3.trna193-Arg-ACG AGGGUUCGAAUCCCUC---CUCGCCCA 78
chr-3.trna190-Arg-ACG AGGGUUCGAAUCCCUC---CUCGCCCA 78
chr-3.trna191-Arg-ACG AGGGUUCGAAUCCCUC---CUCGCCCA 78
chr-3.trna192-Arg-ACG AGGGUUCGAAUCCCUC---CUCGCCCA 78
chr-7.trna91-Arg-ACG GGGGUUCGAAUCCCUC---CUCGCCCA 78
chr-3.trna104-Arg-ACG GGGGUUCGAAUCCCUC---CUCGCCCA 74
chr-1.trna180-Arg-ACG GGGGUUCGAAUCCCUC---CUUUUCCU 84
chr-3.trna42-Arg-ACG GGGGUUCGAAUCCCUC---CUUUUCCU 84
chr-7.trna36-Arg-CCT UGGGUUCGAGCCCCAC---GGUGGGCG 84
.........70.........80......