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chr-13.trna490-Trp-CCA   ----------GGAUCCGUGGCGCAAU--GGUAGCGCGUCUGGCUCCAGAUCAGAAGGUU 47
chr-11.trna206-Trp-CCA   ----------GGAUCCGUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU 47
chr-14.trna509-Trp-CCA   ----------GGAUCCUUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU 47
chr-3.trna472-Trp-CCA    ----------GGAUCCUUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU 47
chr-13.trna586-Trp-CCA   ----------GGAUCCUUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU 47
chr-13.trna585-Trp-CCA   ----------GGAUCCUUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU 47
chr-3.trna473-Trp-CCA    ----------GGAUCCUUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU 47
chr-3.trna474-Trp-CCA    ----------GGAUCCUUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU 47
chr-4.trna505-Trp-CCA    ----------GGAUCCUUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU 47
chr-4.trna506-Trp-CCA    ----------GGAUCCUUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU 47
chr-13.trna62-Trp-CCA    ----------GGAUCCUUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU 47
chr-4.trna507-Trp-CCA    ----------GGAUCCUUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU 47
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chr-4.trna508-Trp-CCA    ----------GGAUCCUUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU 47
chr-4.trna509-Trp-CCA    ----------GGAUCCUUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU 47
chr-4.trna510-Trp-CCA    ----------GGAUCCUUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU 47
chr-4.trna511-Trp-CCA    ----------GGAUCCUUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU 47
chr-14.trna508-Trp-CCA   ----------GGAUCCUUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU 47
chr-9.trna487-Trp-CCA    ----------GGAUCCGUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU 47
chr-3.trna51-Trp-CCA     ----------GGAUCCGUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU 47
chr-3.trna192-Trp-CCA    ----------GGAUCCGUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU 47
chr-11.trna202-Trp-CCA   ----------GGAUCCGUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU 47
chr-14.trna525-Trp-CCA   ----------GGAUCCGUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU 47
chr-3.trna193-Trp-CCA    ----------GGAUCCGUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU 47
chr-14.trna32-Trp-CCA    ----------GGAUCCGUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU 47
chr-11.trna310-Trp-CCA   ----------GGAUCCGUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU 47
chr-4.trna53-Trp-CCA     ----------GGAUCCGUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU 47
chr-14.trna403-Trp-CCA   ----------GGAUCCGUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU 47
chr-4.trna54-Trp-CCA     ----------GGAUCCGUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU 47
chr-11.trna205-Trp-CCA   ----------GGAUCCGUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU 47
chr-4.trna241-Trp-CCA    ----------GGAUCCGUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU 47
chr-4.trna252-Trp-CCA    ----------GGAUCCGUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU 47
chr-12.trna394-Trp-CCA   ----------GGAUCCGUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU 47
chr-11.trna203-Trp-CCA   ----------GGAUCCGUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU 47
chr-12.trna393-Trp-CCA   ----------GGAUCCGUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU 47
chr-12.trna392-Trp-CCA   ----------GGAUCCGUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU 47
chr-12.trna295-Trp-CCA   ----------GGAUCCGUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU 47
chr-12.trna289-Trp-CCA   ----------GGAUCCGUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU 47
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chr-13.trna482-Trp-CCA   ----------GGAUCCGUGGCGCAAU--GGUAGUGCGUUUGACUCCAGAUCAGAAGGUU 47
chr-4.trna271-Trp-CCA    ----------GGAUCCGUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU 47
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chr-10.trna89-Trp-CCA    ----------GGAUCCAUGGCGCUAU--GGUAGCGUGUCUGACUCCAGAUCAGAAGGUU 47
chr-12.trna291-Trp-CCA   ----------GGAUCCGUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU 47
chr-12.trna294-Trp-CCA   ----------GGAUCCGUGGCACAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU 47
chr-4.trna253-Trp-CCA    ----------GGAUCCAUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAUAAGGUU 47
chr-14.trna230-Trp-CCA   ----------GGAUCCGUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU 47
chr-8.trna331-Trp-CCA    ----------GGGUCCAUAGCUUAUU--GAUAGAGCAAUUGACUCCAGAUCAAUAGGUC 47
chr-7.trna125-Trp-CCA    ----------GGCGGCAUGGCCAAGC--GGCAAGGCAGGGGACUCCAAAUCCUU-UAUC 46
chr-1.trna67-Trp-CCA     ----------GCGCUCUUAGUUCAGUUUGGUAGAACGUGUGUCUCCAAAACCCAAUGUC 49
chr-7.trna3-Trp-CCA      ----------GCGCUCUUAGUUCAGUUUGGUAGAACGUGUGUCUCCAAAACCCAAUGUC 49
chr-11.trna348-Trp-CCA   ----------GCACUCUUAGUUCAGUUUGGUAGAACAUGUGUCUCCAGAACCCAAUGUC 49
chr-4.trna169-Trp-CCA    ----------GCGCUCUUAGUUUAGUUUGGUAGAACGCUGGUCUCCAAAACCCGAUGUC 49
chr-9.trna76-Trp-CCA     ----------GCGCUCUUAGUUCAGUUCGGUAGAACGUGUGUCUCCAAAACCCAAUGUC 49
chr-1.trna485-Trp-CCA    ----------GCGCUCUUAGUUCAGUUCGGUAGAACGUGUGUCUCCAAAACCCAAUGUC 49
chr-2.trna126-Trp-CCA    ----------GCGCUCUUAGUUCAGUUCGGUAGAACGUGUGUCUCCAAAACCCAAUGUC 49
chr-5.trna632-Trp-CCA    ----------GCGCUCUUAGUUCAGUUCGGUAGAACGUGUGUCUCCAAAACCCAAUGUC 49
chr-9.trna174-Trp-CCA    ----------GCGCUCUUAGUUCAGUUCGGUAGAACGUGUGUCUCCAAAACCCAAUGUC 49
chr-9.trna223-Trp-CCA    ----------GCGCUCUUAGUUCAGUUCGGUAGAACGUGUGUCUCCAAAACCCAAUGUC 49
chr-9.trna328-Trp-CCA    ----------GCGCUCUUAGUUCAGUUCGGUAGAACGUGUGUCUCCAAAACCCAAUGUC 49
chr-9.trna452-Trp-CCA    ----------GCGCUCUUAGUUCAGUUCGGUAGAACGUGUGUCUCCAAAACCCAAUGUC 49
chr-13.trna397-Trp-CCA   ----------GCGCUCUUAGUUCAGUUCGGUAGAACGUGUGUCUCCAAAACCCAAUGUC 49
chr-13.trna402-Trp-CCA   ----------GCGCUCUUAGUUCAGUUCGGUAGAACGUGUGUCUCCAAAACCCAAUGUC 49
chr-13.trna617-Trp-CCA   ----------GCGCUCUUAGUUUAGUUCGGUAGAACGUGUGUCUCCAAAACCCAAUGUC 49
chr-8.trna370-Trp-CCA    ----------GCGCUCUUAGUUCAGUUCGGUAGAACGUGUGUCUCCAAAACCCAAUGUU 49
chr-4.trna531-Trp-CCA    ----------GCGCUCUUAGUUCAGUUCGGUAGAACAUGUGUCUCCAAAACCCAAUGUC 49
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chr-2.trna226-Trp-CCA    ----------GCGCUCUUAGUUCAGUUCGGUAGAACGUGUGUCUCCAAAACCCAAUGUC 49
chr-9.trna162-Trp-CCA    ----------GCGCUCUUAGUUCAGUUCGGUAGAACGUGUGUCUCCAAAACCCAAUGUC 49
chr-3.trna334-Trp-CCA    ----------GCGCUCUUAGUUCAGUUCGGUAGAACGUGUGUCUCCAAAACCCAAUGUC 49
chr-2.trna97-Trp-CCA     ----------GCGCUCUUAGUUCAGUUCGGUAGAACGUGUGUCUCCAAAACCCAAUGUU 49
chr-4.trna523-Trp-CCA    ----------GCGCUCUUAGUUCAGUUCGGUAGAACGCGGGUCUCCAAAACCCGAUGUC 49
chr-11.trna49-Trp-CCA    ----------GCGCUCUUAGUUCAGUUCGGUAGAACGCGGGUCUCCAAAACCCGAUGUC 49
chr-7.trna157-Trp-CCA    ----------GCGCUCUUAGUUCAGUUCGGUAGAACGCAGGUCUCCAAAACCCGAUGUC 49
chr-6.trna528-Trp-CCA    ----------GCGCUCUUAGUUCAGUUCGGUAGAACGCGGGUCUCCAAAACCCGAUGUC 49
chr-4.trna565-Trp-CCA    ----------GCGCUCUUAGUUCAGUUCGGUAGAACGCGGGUCUCCAAAACCCGAUGUC 49
chr-14.trna192-Trp-CCA   ----------GCGCUCUUAGUUCAGUUCAGUAGAAUGAGGGUCUCCAAAACCCAAUGUC 49
chr-14.trna529-Trp-CCA   ----------GCGCUCUUCGUUCAGUUCGGUAGAACGUGUGUCUCCAAAACCCAAUGUC 49
chr-6.trna643-Trp-CCA    ----------GCGCUCUUUGUUCAGUUCGGUAGAACGUGUGUCUCCAAAACCCAAUGUC 49
chr-2.trna359-Trp-CCA    ----------GCGCUCUUAGUUCAGUUUGGUAGAACCUGGGUCUCCAAAACCCGAUGUC 49
chr-10.trna110-Trp-CCA   ----------GCGCUCUUAUUUCAGUUCGGUAGAACGUGUGUCUCCAAAACCCAAUGUC 49
chr-7.trna475-Trp-CCA    ----------GCACUCUUAGUUCAGUUUGGUAGAACGCGGGUCUCCAAAACCCGAUGUC 49
chr-12.trna260-Trp-CCA   ----------GCGCUCUUAGUUCAGUUUGGUAGAACGUGUGUCUCCAAAACGCAAUGUC 49
chr-3.trna374-Trp-CCA    ----------GCGCUCUUAGUUCAAUUCGGUAGAACGCGGGUCUCCAAAACCCGAUGUC 49
chr-2.trna142-Trp-CCA    ----------GUUCUCUUAGUUCAGUUCGGUAGAACGCGGGUCUCCAAAACCCGAUGUU 49
chr-14.trna410-Trp-CCA   ----------GGUGGAGUCGAUCAGUUCGGUAGAACGCGGGUCUCCAAAACCCGAUAUC 49
chr-13.trna598-Trp-CCA   GACAGUACACCGGAUCCUUGGCGCAAU--GGUAGCGCGUCUGACUCCAGAUCAGAAGGUU 58
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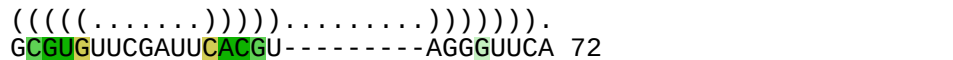
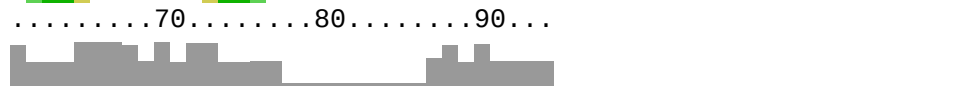
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                                  (((((.......)))))..........)))))))).
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chr-13.trna490-Trp-CCA   GCGUGUUCGAUUCACGU---------CGGGUUCA 72
chr-11.trna206-Trp-CCA   GCGUGUUCGAUUCACGU---------CGGGUUCA 72
chr-14.trna509-Trp-CCA   GCGUGUUCGAUUCACGU---------AGGGUUCA 72
chr-3.trna472-Trp-CCA    GCGUGUUCGAUUCACGU---------AGGGUUCA 72
chr-13.trna586-Trp-CCA   GCGUGUUCGAUUCACGU---------AGGGUUCA 72
chr-13.trna585-Trp-CCA   GCGUGUUCGAUUCACGU---------AGGGUUCA 72
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chr-4.trna511-Trp-CCA    GCGUGUUCGAUUCACGU---------AGGGUUCA 72
chr-14.trna508-Trp-CCA   GCGUGUUCGAUUCACGU---------AGGGUUCA 72
chr-9.trna487-Trp-CCA    GCGUGUUCGAUUCACGU---------UGGGUUCA 72
chr-3.trna51-Trp-CCA     GCGUGUUCGAUUCACGU---------CGGGUUCA 72
chr-3.trna192-Trp-CCA    GCGUGUUCGAUUCACGU---------CGGGUUCA 72
chr-11.trna202-Trp-CCA   GCGUGUUCGAUUCACGU---------CGGGUUCA 72
chr-14.trna525-Trp-CCA   GCGUGUUCGAUUCACGU---------CGGGUUCA 72
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chr-14.trna32-Trp-CCA    GCGUGUUCGAUUCACGU---------CGGGUUCA 72
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chr-11.trna205-Trp-CCA   GCGUGUUCGAUUCACGU---------CGGGUUCA 72
chr-4.trna241-Trp-CCA    GCGUGUUCGAUUCACGU---------CGGGUUCA 72
chr-4.trna252-Trp-CCA    GCGUGUUCGAUUCACGU---------CGGGUUCA 72
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chr-11.trna203-Trp-CCA   GCGUGUUCGAUUCACGU---------CGGGUUCA 72
chr-12.trna393-Trp-CCA   GCGUGUUCGAUUCACGU---------CGGGUUCA 72
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chr-12.trna295-Trp-CCA   GCGUGUUCGAUUCACGU---------CGGGUUCA 72
chr-12.trna289-Trp-CCA   GCGUGUUCGAUUCACGU---------CGGGUUCA 72
chr-4.trna512-Trp-CCA    GCGUGUUCGAUUCACGU---------AGGGUUCA 72
chr-13.trna482-Trp-CCA   GCGUGUUCGAUUCACGU---------CGGGUUCA 72
chr-4.trna271-Trp-CCA    GUGUGUUUGAUUCACGU---------CGGGUUCA 72
chr-3.trna475-Trp-CCA    GCGUGUUCGAUUCACGU---------AGGGUUCA 72
chr-10.trna89-Trp-CCA    GCGUGUUCGAUUCACGU---------CGGGUUCA 72
chr-12.trna291-Trp-CCA   GAGUGUUUGAUUCACGU---------CGGGUUCA 72
chr-12.trna294-Trp-CCA   GCGUGUUUGAUUCACGU---------CGGGUUCA 72
chr-4.trna253-Trp-CCA    GUGUGUUUGAUUCACGU---------CGGGUUCA 72
chr-14.trna230-Trp-CCA   GCGUGUUCGAUUCACGU---------CGCGUUCA 72
chr-8.trna331-Trp-CCA    ACCGGUUCGAACCCGGU---------UGGGCCAU 72
chr-7.trna125-Trp-CCA    CCCAGUUCAAAUCUGGG---------UGCCGCCU 71
chr-1.trna67-Trp-CCA     GUAGGUUCAAAUCCUAC---------AGAGCGUG 74
chr-7.trna3-Trp-CCA      GUAGGUUCAAAUCCUAC---------AGAGCGUG 74
chr-11.trna348-Trp-CCA   GUAGGUUCAAAUCCUAC---------AGAGCGUG 74
chr-4.trna169-Trp-CCA    GUAGGUUCAAAUUCUAC---------AGAGUGUG 74
chr-9.trna76-Trp-CCA     GUAGGUUCAAAUCCUAC---------AGAGCGGG 74
chr-1.trna485-Trp-CCA    GUAGGUUCAAAUCCUAC---------AGAGCGUG 74
chr-2.trna126-Trp-CCA    GUAGGUUCAAAUCCUAC---------AGAGCGUG 74
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chr-2.trna142-Trp-CCA    GUAGGUUCAAAUCCUAC---------AUAGCAUG 74
chr-14.trna410-Trp-CCA   GUAGGUUCAAAUCCUAUAGAGCGUGAUUCCAUCU 83
chr-13.trna598-Trp-CCA   GCGUGUUCGAUUCACGU----UUUGCUUUUGACA 88
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