```
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chr-7A.trna33-Asn-GTT    GCUGGAGUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACACAAGG------------ 47
chr-7B.trna24-Asn-GTT    GCUGGAGUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACACAAGG------------ 47
chr-7C.trna31-Asn-GTT    GCUGGAGUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACACAAGG------------ 47
chr-2A.trna88-Asn-GTT    GCUGGAGUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACACAAGG------------ 47
chr-2B.trna90-Asn-GTT    GCUGGAGUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACACAAGG------------ 47
chr-2C.trna110-Asn-GTT   GCUGGAGUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACACAAGG------------ 47
chr-2D.trna97-Asn-GTT    GCUGGAGUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACACAAGG------------ 47
chr-2D.trna98-Asn-GTT    GCUGGAGUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACACAAGG------------ 47
chr-1B.trna104-Asn-GTT   GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACACAAGG------------ 47
chr-7D.trna22-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACACAAGG------------ 47
chr-7C.trna6-Asn-GTT     GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACACAAGG------------ 47
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chr-1C.trna1-Asn-GTT     GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACACAAGG------------ 47
chr-7A.trna34-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACACAAGG------------ 47
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chr-7D.trna76-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACACAAGG------------ 47
chr-1C.trna2-Asn-GTT     GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACACAAGG------------ 47
chr-1D.trna121-Asn-GTT   GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACACAAGG------------ 47
chr-2A.trna80-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACACAAGG------------ 47
chr-2B.trna99-Asn-GTT    GCUAGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACACAAGG------------ 47
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chr-6B.trna24-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACACAAGG------------ 47
chr-6B.trna23-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACACAAGG------------ 47
chr-2C.trna8-Asn-GTT     GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACACAAGG------------ 47
chr-2C.trna22-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACACAAGG------------ 47
chr-2C.trna90-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACACAAGG------------ 47
chr-7C.trna35-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACACAAGG------------ 47
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chr-1D.trna106-Asn-GTT   GCUGGAGUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACACAAGG------------ 47
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chr-2C.trna103-Asn-GTT   GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACACAAGG------------ 47
chr-7C.trna66-Asn-GTT    GCUGGAGUAGAUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACACAAGG------------ 47
chr-6C.trna70-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAGAGCGUAUGGCUGUUAACCAUAAGG------------ 47
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chr-1B.trna102-Asn-GTT   GCUGGAAUAGCUCAGUUGGUUAGAGCGUAUGGCUGUUAAUCAAAAGG------------ 47
chr-1C.trna75-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAGAGCGUAUGGCUGUUAAUCAUAAGG------------ 47
chr-1D.trna120-Asn-GTT   GCUGGAAUAGCUCAGUUGGUUAGAGCGUAUGGCUGUUAAUCAUAAGG------------ 47
chr-3B.trna44-Asn-GTT    GCUGGAGUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACACAAGG------------ 47
chr-2D.trna87-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUUGCUGUUAACCACACAAUG------------ 47
chr-2A.trna9-Asn-GTT     GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACACAAGG------------ 47
chr-3C.trna52-Asn-GTT    GCUGCAGUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACACAAGG------------ 47
chr-1D.trna19-Asn-GTT    GCUGUAGUAGGUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACACAAAG------------ 47
chr-1C.trna59-Asn-GTT    GCUGGAAUAACUCAGUUGGUUAGAGCGUACGGCUGUUACCCAUAAUG------------ 47
chr-1B.trna88-Asn-GTT    GCAGGAGUAGCUCAGUUGGUUAGAUCGUGUGGCUGUUAACCACACAAGG------------ 47
chr-2B.trna18-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGACUGUUAACCACACAAGG------------ 47
chr-4D.trna83-Asn-GTT    UCCUCAGUAGCUCAGU--GGUAGAGUGGUCGGUUGUUAACUGACUGG------------ 45
chr-4A.trna11-Asn-GTT    UCCUCAGUAGCUCAGU--GGUAGAGUGGUCGGUUGUUAACUGACUGG------------ 45
chr-4B.trna4-Asn-GTT     UCCUCAGUAGCUCAGU--GGUAGAGUGGUCGGUUGUUAACUGACUGG------------ 45
chr-4C.trna78-Asn-GTT    UCCUCAGUAGCUCAGU--GGUAGAGUGGUCGGUUGUUAACUGACUGG------------ 45
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chr-1B.trna24-Asn-GTT    GUGGCUGUAGUUUAGU-GGUUAGAAUUCUACGUUGUUGCCGUAGAGA------------ 46
chr-1B.trna86-Asn-GTT    GGAGAGAUGGCUGAGUGAACUAAAGCGGCGGAUUGUUAAUCCGUUGUACAAUUUUUU--- 57
chr-6D.trna76-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAGAGCGUAUGGCUGUUAACAAUAAGGCCCAAACCUCAAA 60
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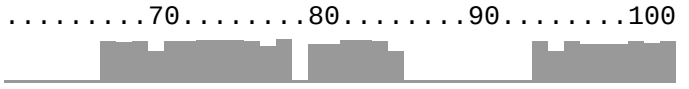
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chr-3A.trna17-Asn-GTT    ------UCGGAGGUUCAA-GCCCUC--------CCUCUAGCG 74
chr-7A.trna22-Asn-GTT    ------UCGGAGGUUCAA-GCCCUC--------CCUCUAGCG 74
chr-7A.trna31-Asn-GTT    ------UCGGAGGUUCAA-GCCCUC--------CCUCUAGCG 74
chr-7A.trna33-Asn-GTT    ------UCGGAGGUUCAA-GCCCUC--------CCUCUAGCG 74
chr-7B.trna24-Asn-GTT    ------UCGGAGGUUCAA-GCCCUC--------CCUCUAGCG 74
chr-7C.trna31-Asn-GTT    ------UCGGAGGUUCAA-GCCCUC--------CCUCUAGCG 74
chr-2A.trna88-Asn-GTT    ------UCGAAGGUUCAA-GCCCUU--------CCUCUAGCG 74
chr-2B.trna90-Asn-GTT    ------UCGAAGGUUCAA-GCCCUU--------CCUCUAGCG 74
chr-2C.trna110-Asn-GTT   ------UCGAAGGUUCAA-GCCCUU--------CCUCUAGCG 74
chr-2D.trna97-Asn-GTT    ------UCGAAGGUUCAA-GCCCUU--------CCUCUAGCG 74
chr-2D.trna98-Asn-GTT    ------UCGAAGGUUCAA-GCCCUU--------CCUCUAGCG 74
chr-1B.trna104-Asn-GTT   ------UCGGAGGUUCAA-GCCCUC--------CUUCUAGCG 74
chr-7D.trna22-Asn-GTT    ------UCGGAGGUUCAA-GCCCUC--------CUUCUAGCG 74
chr-7C.trna6-Asn-GTT     ------UCGGAGGUUCAA-GCCCUC--------CUUCUAGCG 74
chr-7B.trna57-Asn-GTT    ------UCGGAGGUUCAA-GCCCUC--------CUUCUAGCG 74
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chr-7D.trna48-Asn-GTT    ------UCGGAGGUUCAA-GCCCUC--------CUUCUAGCG 74
chr-7B.trna4-Asn-GTT     ------UCGGAGGUUCAA-GCCCUC--------CUUCUAGCG 74
chr-7A.trna103-Asn-GTT   ------UCGGAGGUUCAA-GCCCUC--------CUUCUAGCG 74
chr-7A.trna83-Asn-GTT    ------UCGGAGGUUCAA-GCCCUC--------CUUCUAGCG 74
chr-1C.trna1-Asn-GTT     ------UCGGAGGUUCAA-GCCCUC--------CUUCUAGCG 74
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chr-7D.trna49-Asn-GTT    ------UCGGAGGUUCAA-GCCCUC--------CUUCUAGCG 74
chr-7D.trna76-Asn-GTT    ------UCGGAGGUUCAA-GCCCUC--------CUUCUAGCG 74
chr-1C.trna2-Asn-GTT     ------UCGGAGGUUCAA-GCCCUC--------CUUCUAGCG 74
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chr-2C.trna22-Asn-GTT    ------UCGGAGGUUCAA-GCCCUC--------CUUCUAGCG 74
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chr-7C.trna35-Asn-GTT    ------UCGGAGGUUCAA-GCCCUC--------CUUCUAGCG 74
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chr-7C.trna33-Asn-GTT    ------UCGGAGGUUCAA-GCCCUC--------CUUCUAGCG 74
chr-1A.trna96-Asn-GTT    ------UCGAAGGUUCAA-GCCCUU--------CUUCUAGCG 74
chr-1D.trna106-Asn-GTT   ------UCGAAGGUUCAA-GCCCUU--------CUUCUAGCG 74
chr-7D.trna21-Asn-GTT    ------UCGGAGGUUCAA-GCCCUC--------CCUCUAGCG 74
chr-2C.trna103-Asn-GTT   ------UCGGAGGUUCGA-GCCCUC--------CUUCUAGCG 74
chr-7C.trna66-Asn-GTT    ------UCGGAGGUUCAA-GCCCUC--------CCUCUAGCG 74
chr-6C.trna70-Asn-GTT    ------UCGGAGGUUCAA-GCCCUC--------CUUCUAGCG 74
chr-6D.trna77-Asn-GTT    ------UCGGAGGUUCAA-GCCCUC--------CUUCUAGCG 74
chr-1B.trna102-Asn-GTT   ------UUGGAGGUUCAA-GCCCUC--------CUUCUAGCG 74
chr-1C.trna75-Asn-GTT    ------UUGGAGGUUCAA-GCCCUC--------CUUCUAGCG 74
chr-1D.trna120-Asn-GTT   ------UUGGAGGUUCAA-GCCCUC--------CUUCUAGCG 74
chr-3B.trna44-Asn-GTT    ------UCGGAGGUUCAA-GCCCUC--------CGUCUAGCG 74
chr-2D.trna87-Asn-GTT    ------UCGGAGGUUCAA-GCCCUC--------CUUCUAGCG 74
chr-2A.trna9-Asn-GTT     ------UCGGAGGUUCAAGGCCUC--------CUUCUAGCG 75
chr-3C.trna52-Asn-GTT    ------UCGGAGGUUCAA-GCCCUC--------CCUCUAGCG 74
chr-1D.trna19-Asn-GTT    ------UCGAAGGUUCAA-GUCCUU--------CCUCUAGCG 74
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chr-1B.trna88-Asn-GTT    ------UCGAAAGUUCAA-GCCCUU--------CUUCUAGCG 74
chr-2B.trna18-Asn-GTT    ------UCGGAGGUUCAA-GCCCUC----------CUAGCG 71
chr-4D.trna83-Asn-GTT    ------UCAUAGGUUCGA-AUCCUG--------CUUGGGGAG 72
chr-4A.trna11-Asn-GTT    ------UCAUAGGUUCGA-AUCCUG--------CUUGGGGAG 72
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chr-4C.trna79-Asn-GTT    ------UCGUAGGUUCGA-AUCCUG--------CUUGGGGAG 72
chr-1B.trna24-Asn-GTT    -------CCUGGGCUAGA-AUCCCA--------GCAGCCACA 72
chr-1B.trna86-Asn-GTT    --UGUACCGAGGGUUCGA-AUCCCU--------CUCUUUCCG 88
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