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                                (((((((..(((.........)))..(((((.......)))))).....(((((.....
chr-1.trna51-Val-TAC     GGUGCU-GUGGUGUAGUCGGUUAUCACGUCAGUCUUACACACUGAA-GGUCCCCAGUUC- 57
chr-1.trna50-Val-TAC     GGUGCU-GUGGUGUAGUCGGUUAUCACGUCAGUCUUACACACUGAA-GGUCCCCAGUUC- 57
chr-2.trna11-Val-TAC     GGUGCU-GUGGUGUAGUCGGUUAUCACGUCAGUCUUACACACUGAA-GGUCCCCAGUUC- 57
chr-3.trna197-Val-TAC    GGUGCU-GUGGUGUAGUCGGUUAUCACGUCAGUCUUACACACUGAA-GGUCCCCAGUUC- 57
chr-11.trna26-Val-TAC    GGUGCU-GUGGUGUAGUCGGUUAUCACGUCAGUCUUACACACUGAA-GGUCCCCAGUUC- 57
chr-7.trna373-Val-TAC    GGUGCU-GUGGUGUAGUCGGUUAUCACGUCAGUCUUACACACUGAA-GGUCCCCAGUUC- 57
chr-9.trna15-Val-TAC     GGUGCU-GUGGUGUAGUCGGUUAUCACGUCAGUCUUACACACUGAA-GGUCCCCAGUUC- 57
chr-9.trna105-Val-TAC    GGUGCU-GUGGUGUAGUCGGUUAUCACGUCAGUCUUACACACUGAA-GGUCCCCAGUUC- 57
chr-9.trna16-Val-TAC     GGUGCU-GUGGUGUAGUCGGUUAUCACGUCAGUCUUACACACUGAA-GGUCCCCAGUUC- 57
chr-9.trna253-Val-TAC    GGUGUU-GUGGUGUAGUCGGUUAUCACGUCAGUCUUACACACUGAA-GGUCCCCAGUUC- 57
chr-9.trna427-Val-TAC    GGUGCU-GUGGUGUAGUCGGUUAUCACGUCAGUCUUACACACUGAA-GGUCCCCAGUUC- 57
chr-11.trna259-Val-TAC   GGUGCU-GUGGUGUAGUCGGUUAUCACGUCAGUCUUACACACUGAA-GGUCCCCAGUUC- 57
chr-1.trna168-Val-TAC    GGUGCU-GUGGUGUAGUCGGUUAUCACGUCAGUCUUACACACUGAA-GGUCCCCAGUUC- 57
chr-6.trna290-Val-TAC    GGUGCU-GUGGUGUAGUCGGUUAUCACGUUAGUCUUACACACUAAA-GGUCCCCAGUUC- 57
chr-4.trna69-Val-TAC     GGUGCU-GUGGUGUAUUCUGUUAUCACGUCCGUCUUACACACUGAA-GGUCCCCAGUUC- 57
chr-5.trna64-Val-TAC     GGUGCU-GUGGUGUAGUCGGUUAUCACGUCAGUCUUACCCACUGAA-GGUCCCC--UUC- 55
chr-1.trna279-Val-TAC    GUCUGC-GUGGUGUAGU-GGUCACCACGUUUGCUUUACACGCAAAA-GGUCUCCGAUUC- 56
chr-1.trna280-Val-TAC    GUCUGA-GUGGUGUAGU-GGUUAUCACGUUUGCUUUACACGCAAAA-GGUCUCCGGUUC- 56
chr-1.trna281-Val-TAC    GUCUGA-GUGGUGUAGU-GGUUAUCACGUUUGCUUUACACGCAAAA-GGUCUCCGGUUC- 56
chr-1.trna326-Val-TAC    GUCUGA-GUGGUGUAGU-GGUUAUCACGUUUCCUUUACACGCAAAA-GGUCUCCGGUUC- 56
chr-11.trna24-Val-TAC    GAUGCU-GUGGUGUAGUC-GUUAUCACGUCAGUUUUACACACUGAA-GGUACCCAGUUCA 57
chr-7.trna64-Val-TAC     GGUCCC-GUAGCUCAGUUGGGCAGAGCAUUGGUCUUACG-AGCGAA-GGUCGCGGGUUC- 56
chr-3.trna166-Val-TAC    GCUGUC-UUAGCUCAAACGG-CAGAGCGCAUGGCUUACACCCAUGUUUGUUGUGGGUUC- 57
chr-3.trna86-Val-TAC     GUUGUC-UUAGCUCAAUUGG-UAGAGCGCAUGGUUUACAACCAUGU-AGUUGUGGGUUC- 56
chr-6.trna259-Val-TAC    GCUGUC-UUAGCUCAAUUGG-UAGAGCGCAUGGUUUACAACCAUGU-AGUUGUGGGUUC- 56
chr-1.trna482-Val-TAC    GUUGUC-UUAGCUCAAUUGG-UAGAGCACAUGGUUUACAACUAUGU-AGUUGUGGGUUC- 56
chr-5.trna36-Val-TAC     GCUGUC-UUAGCUCAAUUGG-UAGAGCGCAUGGUUUACAACCAUGU-AGUUGUGGGUUC- 56
chr-7.trna102-Val-TAC    GCUGUC-UUAGCUCAAUUGG-UAGAGCACAUGGUUUACAACCAUGU-AGCUGUGGGUUC- 56
chr-5.trna33-Val-TAC     GCUGUC-UUAUCUCAAUUGG-UAGAGCACAUGGUUUACAACCAUGU-AGCUGUGGGUUC- 56
chr-3.trna360-Val-TAC    GCUGCC-UUAGCUCAAUUGG-UAGAGCGCAUGGUUUACAACCAUGU-AGUUGUGGGUUC- 56
chr-6.trna116-Val-TAC    GCUGUC-UUAGCUCAAUUGG-UAGAGCACAUGACUUACAUUCAUGU-AGUUGUGGGUUC- 56
chr-3.trna55-Val-TAC     GCUGUCUUUAGCUCAAUUGG-CAGAGCACAUGGUUUACAACCGUGU-AGUUGUGGGAUC- 57
chr-9.trna283-Val-TAC    GCUGUC-UUAGCUCAAUCGG-UAAAGCACAUGGUUUACGACCAUGU-UAUUGUGGGUUC- 56
chr-11.trna25-Val-TAC    AUUG------GUGUACUCGGUUAUCACGUCAGUCUUACACACUGAA-GGUCCCCGGUUC- 52
                         .........10........20........30........40........50.........
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                         ....))))))))))))).
chr-1.trna51-Val-TAC     GAGCCUGGGCAGCACCA 74
chr-1.trna50-Val-TAC     GAGCCUGGGCAGCACCA 74
chr-2.trna11-Val-TAC     GAGCCUGGGCAGCACCA 74
chr-3.trna197-Val-TAC    GAGCCUGGGCAGCACCA 74
chr-11.trna26-Val-TAC    GAGCCUGGGCAGCACCA 74
chr-7.trna373-Val-TAC    GAGCCUGGGCAGCGCCA 74
chr-9.trna15-Val-TAC     GAGCCUGGGCAGCACCA 74
chr-9.trna105-Val-TAC    GAGCCUGGGCAGCACCA 74
chr-9.trna16-Val-TAC     GAGCCUGGGCAGCACCA 74
chr-9.trna253-Val-TAC    GAACCUGGGCAGCACCA 74
chr-9.trna427-Val-TAC    GAGACUGGGCAGCACCA 74
chr-11.trna259-Val-TAC   GAGAUUGGGCAGCACCA 74
chr-1.trna168-Val-TAC    GAGCCUGGGCAGCACUA 74
chr-6.trna290-Val-TAC    GAGCCUGGGCAGCACCA 74
chr-4.trna69-Val-TAC     GAGCCUGGGCAGCACCA 74
chr-5.trna64-Val-TAC     GAGCCUGGGCAGCACCA 72
chr-1.trna279-Val-TAC    GAACCCAGGCUUGGACA 73
chr-1.trna280-Val-TAC    GAACCCGGGCUUGGACA 73
chr-1.trna281-Val-TAC    GAACCCGGGCUUGGACA 73
chr-1.trna326-Val-TAC    GAACCCGGGCUUGGACA 73
chr-11.trna24-Val-TAC    UUGCCUGGGCAGCACCA 74
chr-7.trna64-Val-TAC     GAGCCCCGCCGGGACCA 73
chr-3.trna166-Val-TAC    AACUCCCACAGAUGGCU 74
chr-3.trna86-Val-TAC     GAUUCCCACAGAUGGCA 73
chr-6.trna259-Val-TAC    GAUUCCCGCAGAUGGCA 73
chr-1.trna482-Val-TAC    AAUUCCCGCAGAUGGCA 73
chr-5.trna36-Val-TAC     AAUUCCCACAUAUAGCA 73
chr-7.trna102-Val-TAC    GAUUCCUGCAGAUGGCA 73
chr-5.trna33-Val-TAC     AAUUCCCACAGAUGGCA 73
chr-3.trna360-Val-TAC    AAUUCCCGCAGAUGGCA 73
chr-6.trna116-Val-TAC    GAUUCCCACAGAUGGCA 73
chr-3.trna55-Val-TAC     GAUUCCCGCAGAUGGCA 74
chr-9.trna283-Val-TAC    GACUCCCGCAGAUGGCA 73
chr-11.trna25-Val-TAC    GAGUCUGGGCAGCACCA 69
                         .........70......
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