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                                ((.(((((..((((.........)))).(((((.......)))))).....(((((....
chr-3.trna87-Met-CAT    GG-GCUUAUAGUUUAAUUGGUUGAAACAUACCGCUCAUAACAGUGAUA-UUGUCGGUUCG 58
chr-5.trna505-Met-CAT   GG-GCAUAUAGUUUAAUUGGUUGAAACGUACCGCUCAUAACGGUGAUA-UUGUAGGUUCA 58
chr-1.trna394-Met-CAT   GG-GCUUAUAGUUUAAUUGGUUGAAACGUACCGCUCAUAACGGUGAUA-UUGUAGGUUCG 58
chr-1.trna396-Met-CAT   GG-GCUUAUAGUUUAAUUGGUUGAAACGUACCGCUCAUAACGGUGAUA-UUGUAGGUUCG 58
chr-2.trna577-Met-CAT   GG-GCUUAUAGUUUAAUUGGUUGAAACGUACCGCUCAUAACGGUGAUA-UUGUAGGUUCG 58
chr-4.trna57-Met-CAT    GG-GCUUAUAGUUUAAUUGGUUGAAACGUACCGCUCAUAACGGUGAUA-UUGUAGGUUCG 58
chr-7.trna139-Met-CAT   GG-GCUUAUAGUUUAAUUGGUUGAAACGUACCGCUCAUAACGGUGAUA-UUGUAGGUUCG 58
chr-7.trna615-Met-CAT   GG-GCUUAUAGUUUAAUUGGUUGAAACGUACCGCUCAUAACGGUGAUA-UUGUAGGUUCG 58
chr-6.trna176-Met-CAT   GG-GCUUAUAUUUUAAUUGGUUGAAACAUACCGCUCAUAACGGUGAUA-UUGUAGGUUCG 58
chr-7.trna270-Met-CAT   GG-GCUUAUAGUUUAAUUGGUUGAAACGUACCGCUCAUAACGGUGAUA-UUGUAGGUUCG 58
chr-6.trna281-Met-CAT   GG-GGUGGUGGCGCAGUUGGCUAGCGCGUAGGUCUCAUAAUCCUGAGG-UCGAGAGUUCG 58
chr-6.trna393-Met-CAT   GG-GGUGGUGGCGCAGUUGGCUAGCGCGUAGGUCUCAUAAUCCUGAGG-UCGAGAGUUCG 58
chr-6.trna277-Met-CAT   GG-GGUGGUGGCGCAGUUGGCUAGCGCGUAGGUCUCAUAAUCCUGAGG-UCGAGAGUUCG 58
chr-1.trna328-Met-CAT   GG-GGUGGUGGCGCAGUUGGCUAGCGCGUAGGUCUCAUAAUCCUGAGG-UCGAGAGUUCG 58
chr-1.trna324-Met-CAT   GG-GGUGGUGGCGCAGUUGGCUAGCGCGUAGGUCUCAUAAUCCUGAGG-UCGAGAGUUCG 58
chr-1.trna309-Met-CAT   GG-GGUGGUGGCGCAGUUGGCUAGCGCGUAGGUCUCAUAAUCCUGAGG-UCGAGAGUUCG 58
chr-1.trna184-Met-CAT   GG-GGUGGUGGCGCAGUUGGCUAGCGCGUAGGUCUCAUAAUCCUGAGG-UCGAGAGUUCG 58
chr-2.trna304-Met-CAT   GG-GGUGGUGGCGCAGUUGGCUAGCGCGUAGGUCUCAUAAUCCUGAGG-UCGAGAGUUCG 58
chr-2.trna546-Met-CAT   GG-GGUGGUGGCGCAGUUGGCUAGCGCGUAGGUCUCAUAAUCCUGAGG-UCGAGAGUUCG 58
chr-5.trna548-Met-CAT   GG-GGUGGUGGCGCAGUUGGCUAGCGCGUAGGUCUCAUAAUCCUGAGG-UCGAGAGUUCG 58
chr-5.trna346-Met-CAT   GG-GGUGGUGGCGCAGUUGGCUAGCGCGUAGGUCUCAUAAUCCUGAGG-UCGAGAGUUCG 58
chr-3.trna641-Met-CAT   GG-GGUGGUGGCGCAGUUGGCUAGCGCGUAGGUCUCAUAAUCCUGAGG-UCGAGAGUUCG 58
chr-2.trna599-Met-CAT   GG-GGUGGUGGCGCAGUUGGCUAGCGCGUAGGUCUCAUAAUCCUGAGG-UCGAGAGUUCG 58
chr-3.trna477-Met-CAT   GG-GGCGGUGGCGCAGUUGGCUAGCGCGUAGGUCUCAUAAUCCUGAGG-UCGAGAGUUCG 58
chr-3.trna405-Met-CAT   GG-GGCGGUGGCGCAGUUGGCUAGCGCGUAGGUCUCAUAAUCCUGAGG-UCGAGAGUUCG 58
chr-3.trna368-Met-CAT   GG-GGCGGUGGCGCAGUUGGCUAGCGCGUAGGUCUCAUAAUCCUGAGG-UCGAGAGUUCG 58
chr-3.trna307-Met-CAT   GG-GGCGGUGGCGCAGUUGGCUAGCGCGUAGGUCUCAUAAUCCUGAGG-UCGAGAGUUCG 58
chr-6.trna279-Met-CAT   GG-GGCGGUGGCGCAGUUGGCUAGCGCGUAGGUCUCAUAAUCCUGAGG-UCGAGAGUUCG 58
chr-3.trna560-Met-CAT   GG-GGCGGUGGCGCAGUUGGCUAGCGCGUAGGUCUCAUAAUCCUGAGG-UCGAGAGUUCG 58
chr-3.trna266-Met-CAT   GG-GGCGGUGGCGCAGUUGGCUAGCGCGUAGGUCUCAUAAUCCUGAGG-UCGAGAGUUCG 58
chr-3.trna564-Met-CAT   GG-GGCGGUGGCGCAGUUGGCUAGCGCGUAGGUCUCAUAAUCCUGAGG-UCGAGAGUUCG 58
chr-6.trna394-Met-CAT   GG-GGUGGUGGUGCAGUUGGCUAGCGCGUAGGUCUCAUAAUCCUGAGG-UCGAGAGUUCG 58
chr-6.trna280-Met-CAT   GG-GGCGGUGGCGCAGUUGGUUAGCGCGUAGGUCUCAUAAUCCUGAGG-UCGAGAGUUCG 58
chr-3.trna562-Met-CAT   GG-GGCAGUGGCGCAGUUGGCUAGCGCGUAGGUCUCAUAAUCCUGAGG-UCGAGAGUUCG 58
chr-3.trna386-Met-CAT   GG-GGCAGUGGCGCAGUUGGCUAGCGCGUAGGUCUCAUAAUCCUGAGG-UCGAGAGUUCG 58
chr-3.trna286-Met-CAT   GG-GGCAGUGGCGCAGUUGGCUAGCGCGUAGGUCUCAUAAUCCUGAGG-UCGAGAGUUCG 58
chr-2.trna598-Met-CAT   UGGGGUGGUGGCGCAGUUGGCUAGCGCGUAGGUCUCAUAAUCCUGAGG-UCGAGAGUUCG 59
chr-2.trna597-Met-CAT   UG-GGUGGUGGCGCAGUUGGCUAGCUCGUAGGUCUCAUAAUACUGAGG-UCGAGAGUUCG 58
chr-3.trna511-Met-CAT   GC-CUGUCUAGCUCAGUUGG-UAGAGCCGAGG-CUCAUAACCUAGUGG-UCUUGGGUUCG 56
chr-6.trna278-Met-CAT   GG---CGGUGGCGCAGUUGGCGCGUAGGUCUCAUAAUCCUGAGG-UCGAGAGUUCG 56
chr-7.trna209-Met-CAT   -G-CGGGGUAGAGGAAUUGGUCAGCUCAUCAGGCUCAUGACCUGAGGA-CUGUAGGUUCG 57
chr-5.trna56-Met-CAT    -G-CGGGGUAGAGUAAUUGGUCAACUCAUCAGGCUCAUGACCUGAAGA-CUGCAGGUUCG 57
chr-6.trna35-Met-CAT    AG-CGGGGUAGAGGAAUUGGUCAAAUCAUCAGGCUCAUGACCUGAAGA-CUACAGGUUCG 58
chr-1.trna189-Met-CAT   AG-CAGGGUAGAGGAAUUGGUCAACUCAUCAGGCUCAUGACCUGAAGA-CUGCAGGUUCG 58
chr-2.trna541-Met-CAT   AG-CAGGGUAGAGGAAUUGGUCAACUCAUCAGGCUCAUGACCUGAAGA-CUGCAGGUUCG 58
chr-1.trna89-Met-CAT    AG-CGGGGUAGAGGAAUUGGUCAACUCAUCAGGCUCAUGACCUGAAGA-CUGCAGGUUCG 58
chr-1.trna456-Met-CAT   AG-CGGGGUAGAGGAAUUGGUCAACUCAUCAGGCUCAUGACCUGAAGA-CUGCAGGUUCG 58
chr-2.trna77-Met-CAT    AG-CGGGGUAGAGGAAUUGGUCAACUCAUCAGGCUCAUGACCUGAAGA-CUGCAGGUUCG 58
chr-2.trna544-Met-CAT   AG-CGGGGUAGAGGAAUUGGUCAACUCAUCAGGCUCAUGACCUGAAGA-CUGCAGGUUCG 58
chr-2.trna574-Met-CAT   AG-CGGGGUAGAGGAAUUGGUCAACUCAUCAGGCUCAUGACCUGAAGA-CUGCAGGUUCG 58
chr-3.trna264-Met-CAT   AG-CGGGGUAGAGGAAUUGGUCAACUCAUCAGGCUCAUGACCUGAAGA-CUGCAGGUUCG 58
chr-3.trna503-Met-CAT   AG-CGGGGUAGAGGAAUUGGUCAACUCAUCAGGCUCAUGACCUGAAGA-CUGCAGGUUCG 58
chr-3.trna607-Met-CAT   AG-CGGGGUAGAGGAAUUGGUCAACUCAUCAGGCUCAUGACCUGAAGA-CUGCAGGUUCG 58
chr-4.trna134-Met-CAT   AG-CGGGGUAGAGGAAUUGGUCAACUCAUCAGGCUCAUGACCUGAAGA-CUGCAGGUUCG 58
chr-7.trna21-Met-CAT    AG-CGGGGUAGAGGAAUUGGUCAACUCAUCAGGCUCAUGACCUGAAGA-CUGCAGGUUCG 58
chr-7.trna167-Met-CAT   AG-CGGGGUAGAGGAAUUGGUCAACUCAUCAGGCUCAUGACCUGAAGA-CUGCAGGUUCG 58
chr-7.trna443-Met-CAT   AG-CGGGGUAGAGGAAUUGGUCAACUCAUCAGGCUCAUGACCUGAAGA-CUGCAGGUUCG 58
chr-7.trna469-Met-CAT   AG-CGGGGUAGAGGAAUUGGUCAACUCAUCAGGCUCAUGACCUGAAGA-CUGCAGGUUCG 58
chr-7.trna617-Met-CAT   AG-CGGGGUAGAGGAAUUGGUCAACUCAUCAGGCUCAUGACCUGAAGA-CUGCAGGUUCG 58
chr-7.trna621-Met-CAT   AG-CGGGGUAGAGGAAUUGGUCAACUCAUCAGGCUCAUGACCUGAAGA-CUGCAGGUUCG 58
chr-4.trna76-Met-CAT    AG-CGGGGUAGAGGAAUUGGUGAACUCAUCAGGCUCAUGACCUGAAGA-CUGCAGGUUCG 58
chr-1.trna54-Met-CAT    AG-CGGGGUAGAGGAAUUGGUCAAAUCAUCGGGCUCAUGACCUGAAGA-GUGCAGGUUCG 58
chr-4.trna391-Met-CAT   AG-CGGGGUAGAGGAAUUGGUCAAAUCAUCAAGCUCAUGACCUGAAGA-CUGUAGGUUCG 58
chr-3.trna89-Met-CAT    AA-GCGGGUAGAGGAAUUGGUCAACUCAUUAGGCUCAUGACCUGAAGA-CUGCAGGUUCG 58
chr-4.trna111-Met-CAT   AG-CGGAGUAGAGUAGUUUGGUAGCUCACGAGGCUCAUAACCUUGAGG-UCACGGGUUCG 58
chr-4.trna434-Met-CAT   GC-AUCCAUGGCUGAA-UGGUUAAAGCGCUCAACUCAUAAUUGGUAAAUUUAUCGGUUCA 58
chr-4.trna435-Met-CAT   GC-AUCCAUGGCUGAA-UGGUUAAAGCGCUCAACUCAUAAUUGGUAAAUUUAUCGGUUCA 58
chr-4.trna107-Met-CAT   GC-AUCCAUGGAUGAA-UGGUUAAAGCGCCCAACUCAUAAUUGGUAAAUUUGUGGGUUCA 58
chr-5.trna547-Met-CAT   GC-AUCCAUGGCUGAA-UGGUUAAAGCACCCAACUCAUAAUUGGUAAAUUUGCGGGUUCA 58
chr-7.trna321-Met-CAT   GC-AUCCAUGGCUGAA-UGGUUAAAGCACCCAACUCAUAAUUGGUAAAUUUGCGGGUUCA 58
chr-7.trna446-Met-CAT   GC-AUCCAUGGCUGAA-UGAUUAAAGCGCCCAACUCAUAAUUGGUAAAUUUGCGGGUUCA 58
chr-6.trna194-Met-CAT   GC-AUCCAUGGCUGAA-UGGUUAAAGAGCCCGACUCAUAAUUGGUAAAUUUGCGGGUUCA 58
chr-2.trna27-Met-CAT    AC-CUACUUGACUCAG-CGGUUAGAGUAUCGCUUUCAUACGGCG-AGAGUCAUUGGUUCA 57
chr-4.trna31-Met-CAT    AC-CUACUUGACUCAG-CGGUUAGAGUAUCGCUUUCAUACGGCG-AGAGUCAUUGGUUCA 57
chr-4.trna275-Met-CAT   AC-CUACUUGACUCAG-CGGUUAGAGUAUCGCUUUCAUACGGCG-AGAGUCAUUGGUUCA 57
chr-4.trna468-Met-CAT   AC-CUACUUGACUCAG-CGGUUAGAGUAUCGCUUUCAUACGGCG-AGAGUCAUUGGUUCA 57
chr-4.trna521-Met-CAT   AC-CUACUUGACUCAG-CGGUUAGAGUAUCGCUUUCAUACGGCG-AGAGUCAUUGGUUCA 57
chr-7.trna25-Met-CAT    AC-CUACUUGACUCAG-CGGUUAGAGUAUCGCUUUCAUACGGCG-AGAGUCAUUGGUUCA 57
chr-7.trna410-Met-CAT   AC-CUACUUGACUCAG-CGGUUAGAGUAUCGCUUUCAUACGGCG-AGAGUCAUUGGUUCA 57
chr-7.trna462-Met-CAT   AC-CUACUUGACUCAG-CGGUUAGAGUAUCGCUUUCAUACGGCG-AGAGUCAUUGGUUCA 57
chr-1.trna481-Met-CAT   AC-CUACUUGACUCAG-CGGUUAGAGUAUCACUUUCAUACGACG-AGAGUCAUUGGUUCA 57
chr-4.trna453-Met-CAT   GC-CUACUUAACUCAG-UGGUUAGAGUAUUGCUUUCAUAUGGCG-GGAGUCAUUGGUUCA 57
chr-3.trna635-Met-CAT   GC-CUACUUAACUCAG-UGGUUAGAGUAUUGCUUUCAUACGGCA-GGAGUCAUUGGUUCA 57
chr-7.trna510-Met-CAT   GC-CUACUUAACUCAG-UGGUUAGAGUAUUGCUUUCAUACGGCG-GGAGUCAUUGGUUGA 57
chr-5.trna206-Met-CAT   GA---GUAUAGAGCAGUUUGGUAGCUCAUAAGGCUCAUAACCUUGGGG-UUGCGGGUUCC 56
chr-1.trna413-Met-CAT   ACUCCU-------CAGUUGG-UAAAGCACAAAGCACAUAAACCUUGUGG-ACAUGGGUUCA 51
chr-1.trna450-Met-CAT   ACUCCU-------CAGUUGG-UAAAGCACAAAGCACAUAAACCUUGUGG-ACAUGGGUUCA 51
                                .........10........20........30........40........50.........
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                                ...)))))..)))))))...
chr-3.trna87-Met-CAT    AGCCCUAC-UAAGCCC--A 74
chr-5.trna505-Met-CAT   AGCCCUAC-UAAGCCC--A 74
chr-1.trna394-Met-CAT   AGCCCUAC-UAAGCCC--A 74
chr-1.trna396-Met-CAT   AGCCCUAC-UAAGCCC--A 74
chr-2.trna577-Met-CAT   AGCCCUAC-UAAGCCC--A 74
chr-4.trna57-Met-CAT    AGCCCUAC-UAAGCCC--A 74
chr-7.trna139-Met-CAT   AGCCCUAC-UAAGCCC--A 74
chr-7.trna615-Met-CAT   AGCCCUAC-UAAGCCC--A 74
chr-6.trna176-Met-CAT   AGCCCUAC-UAAGCCC--A 74
chr-7.trna270-Met-CAT   AGCCCUAC-UAAGGUA--A 74
chr-6.trna281-Met-CAT   AGCCUCUC-UCAACCC--A 74
chr-6.trna393-Met-CAT   AGCCUCUC-UCACCCC--A 74
chr-6.trna277-Met-CAT   AGCCUCUC-UCACCCC--A 74
chr-1.trna328-Met-CAT   AGCCUCUC-UCACCCC--A 74
chr-1.trna324-Met-CAT   AGCCUCUC-UCACCCC--A 74
chr-1.trna309-Met-CAT   AGCCUCUC-UCACCCC--A 74
chr-1.trna184-Met-CAT   AGCCUCUC-UCACCCC--A 74
chr-2.trna304-Met-CAT   AGCCUCUC-UCACCCC--A 74
chr-2.trna546-Met-CAT   AGCCUCUC-UCACCCC--A 74
chr-5.trna548-Met-CAT   AGCCUCUC-UCACCCC--A 74
chr-5.trna346-Met-CAT   AGCCUCUC-UCACCCC--A 74
chr-3.trna641-Met-CAT   AGCCUCUC-UCACCCC--A 74
chr-2.trna599-Met-CAT   AGCCUCUC-UCACCCC--A 74
chr-3.trna477-Met-CAT   AGCCUCUC-UCGCCCC--A 74
chr-3.trna405-Met-CAT   AGCCUCUC-UCGCCCC--A 74
chr-3.trna368-Met-CAT   AGCCUCUC-UCGCCCC--A 74
chr-3.trna307-Met-CAT   AGCCUCUC-UCGCCCC--A 74
chr-6.trna279-Met-CAT   AGCCUCUC-UCGCCCC--A 74
chr-3.trna560-Met-CAT   AGCCUCUC-UCGCCCC--A 74
chr-3.trna266-Met-CAT   AGCCUCUC-UCGCCCC--A 74
chr-3.trna564-Met-CAT   AGCCUCUC-UCGCCCC--A 74
chr-6.trna394-Met-CAT   AGCCUCUC-UCACCCC--A 74
chr-6.trna280-Met-CAT   AGCCUCUC-UCGCCCC--A 74
chr-3.trna562-Met-CAT   AGCCUCUC-UCGCCCC--A 74
chr-3.trna386-Met-CAT   AGCCUCUC-UCGCCCC--A 74
chr-3.trna286-Met-CAT   AGCCUCUC-UCGCCCC--A 74
chr-2.trna598-Met-CAT   AGCCUCUC-UCACCCA--A 75
chr-2.trna597-Met-CAT   AGCCUCUC-ACACCCUGAA 76
chr-3.trna511-Met-CAT   AGUCCCAA-GGCAGGC--A 72
chr-6.trna278-Met-CAT   AGCUUCCC-GCAGAAU-CU 73
chr-7.trna209-Met-CAT   GAUCCUGU-CCUCACC--U 73
chr-5.trna56-Met-CAT    AAUCCUGU-CCCCACC--U 73
chr-6.trna35-Met-CAT    AAUCCUGU-CCCCGCC--U 74
chr-1.trna189-Met-CAT   AAUCCUGU-CCCCGCC--U 74
chr-2.trna541-Met-CAT   AAUCCUGU-CCCCGCC--U 74
chr-1.trna89-Met-CAT    AAUCCUGU-CCCCGCC--C 74
chr-1.trna456-Met-CAT   AAUCCUGU-CCCCGCC--U 74
chr-2.trna77-Met-CAT    AAUCCUGU-CCCCGCC--U 74
chr-2.trna544-Met-CAT   AAUCCUGU-CCCCGCC--U 74
chr-2.trna574-Met-CAT   AAUCCUGU-CCCCGCC--U 74
chr-3.trna264-Met-CAT   AAUCCUGU-CCCCGCC--U 74
chr-3.trna503-Met-CAT   AAUCCUGU-CCCCGCC--U 74
chr-3.trna607-Met-CAT   AAUCCUGU-CCCCGCC--U 74
chr-4.trna134-Met-CAT   AAUCCUGU-CCCCGCC--U 74
chr-7.trna21-Met-CAT    AAUCCUGU-CCCCGCC--U 74
chr-7.trna167-Met-CAT   AAUCCUGU-CCCCGCC--U 74
chr-7.trna443-Met-CAT   AAUCCUGU-CCCCGCC--U 74
chr-7.trna469-Met-CAT   AAUCCUGU-CCCCGCC--U 74
chr-7.trna617-Met-CAT   AAUCCUGU-CCCCGCC--U 74
chr-7.trna621-Met-CAT   AAUCCUGU-CCCCGCC--U 74
chr-4.trna76-Met-CAT    AAUCCUGU-CCCCGCC--U 74
chr-1.trna54-Met-CAT    AAUCCUUU-CCCCGCC--U 74
chr-4.trna391-Met-CAT   AAUCCUGU-CCCCGCC--U 74
chr-3.trna89-Met-CAT    AAUCCUGUCCCCGCCU--A 75
chr-4.trna111-Met-CAT   AUUCCGU-CUCCGCA--C 74
chr-4.trna434-Met-CAT   AUUCCUGC-UGGAUGC--A 74
chr-4.trna435-Met-CAT   AUUCCUGC-UGGAUGC--A 74
chr-4.trna107-Met-CAT   AUUCCUGC-UGGAUGC--A 74
chr-5.trna547-Met-CAT   AUUCCUGC-UGGAUGC--A 74
chr-7.trna321-Met-CAT   AUUCCUGC-UGGAUGC--A 74
chr-7.trna446-Met-CAT   AUUCCUGC-UGGAUGC--A 74
chr-6.trna194-Met-CAT   AUUCCUGC-UGGAUGC--A 74
chr-2.trna27-Met-CAT    AAUCCAAU-AGUAGGU--A 73
chr-4.trna31-Met-CAT    AAUCCAAU-AGUAGGU--A 73
chr-4.trna275-Met-CAT   AAUCCAAU-AGUAGGU--A 73
chr-4.trna468-Met-CAT   AAUCCAAU-AGUAGGU--A 73
chr-4.trna521-Met-CAT   AAUCCAAU-AGUAGGU--A 73
chr-7.trna25-Met-CAT    AAUCCAAU-AGUAGGU--A 73
chr-7.trna410-Met-CAT   AAUCCAAU-AGUAGGU--A 73
chr-7.trna462-Met-CAT   AAUCCAAU-AGUAGGU--A 73
chr-1.trna481-Met-CAT   AAUCCAAU-AGUAGGU--A 73
chr-4.trna453-Met-CAT   AAUCCAAU-AGUAGGU--A 73
chr-3.trna635-Met-CAT   AAUCCAAU-AGUAGGU--A 73
chr-7.trna510-Met-CAT   AAUCCGGU-AGUAGGU--A 73
chr-5.trna206-Met-CAT   AUUCCCAC-UACCGCC--U 72
chr-1.trna413-Met-CAT   AGCCCCAUGAUAGGU---G 67
chr-1.trna450-Met-CAT   AGCCCCAUGAUAGGU---G 67
                                .........70........
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