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                                                   10        20        30        40        50        60        70        80        90       100       110       120&
Bos_taurus_cattle                                  GCUCU---GUGAUGAAC-UCCAUGCGUGUCAUCUGAG--CCUGGCUU-CCCUGUCAUC---UC---AG--CCCAG--GUAGUGUUCUACUUCCCAAGGCUGUUGUCUGGCCUGGAAAGGG
Pan_troglodytes_chimpanzee                         GCUCU---GUGAUGGAG-CCCAUGCGUGUCAUCUGAGCCUCUGGCUU-CCCUGCCAGU---GC---AG--CCCUG--GCAGUGUCCUACUUCCCAGGGCUGUUGUCU-GCCUGGCGGGAA
Homo_sapiens_human                                 GCUCU---GUGAUGGAG-CCCAUGCGUGUCAUCUGAGCCUCUGGCUU-CCCUGCCAGU---GC---AG--CCCUG--GCAGUGUCCUACUUCCCAGGGCUGUUGUCU-GCCUGGCGGGAA
Canis_lupus_familiaris_dog                         GCUCU---GUGAUGAGC--CCAUGCGUGUCAUCUGAG--CCUGGCUU-CCCCGUC--C---UC---AG-CCCCGG--GGAGUGUUCUACUUCCCUGGCCUGUCAGCUGGCCUCGUGUGGG
Mus_musculus_house_mouse                           GCUCU---GUGAUGAAC-CCCAUGCGUGUCAUCUGAG--CCUGGCUU-CCCUGUUGUU---ACCUUAG--CCCAG--GUAGUGUUCUACUUACCAGGGCUUUUGCCUGGCUUAUCAGGGA
Echinops_telfairi_small_Madagascar_hedgehog        GCUCU---GUGAUGAAC-CCCAUGCGUGUCAUCUGAG--CCCAGAUU-CCCUGUUGUC---UC---AG--CCCUGGUGUGGUGUUCUACUUCCCAGAGCUGUUGUCUGACCCAGUAGGAG
Monodelphis_domestica_gray_short-tailed_opossum    GCUCU---GUGAUGAUCCCCCAUGCGUGUCAUCUGAG--CUCAGCUUCCCCUGAUCUC---UC---AGUUCCAAG--UGGGUGUUUUGCCCUCUGG------UCUCUGGGCUGGCAGUGG
                                                   .....---...[[[[..-....[[[[[[[[[[[[..[--[[[[[[[[-(.(((((((..---.(---((--(((((--((((((...))))).))))))))).....-...))))))))
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                                                          130       140       150       160       170&        10        20        30        40        50        60
Bos_taurus_cattle                                  G-----AUCCCAGGCAAA-GGAUCAACCUUUGUAUUCUGAGAGCAGAA-G&GUG-CUCGCU-----------UUGG------C-AG--C-AC--AUAUAC---UAAAA--UU--GGAAC
Pan_troglodytes_chimpanzee                         G-----GUCCUGGGCAAA-GGAUCAGUCUUUGUACUCUGAGAGCAGACUA&GUG-CUCGC------------UUCGG------C-AG--C-AC--AUAUAC---UAAAA--UU--GGAAC
Homo_sapiens_human                                 G-----GUCCUGGGCAAA-GGAUCAGUCUUUGUACUCUGAGAGCAGACUA&GUG-CUCGC------------UUCGG------C-AG--C-AC--AUAUAC---UAAAA--UU--GGAAC
Canis_lupus_familiaris_dog                         A-----GUCUU-GGCAAA-GGAUCAGCCUUCGUAUCCUGAGAGCAGAU-C&GUG-CU---------------UCGG------C-AG--C-AC--AUAUAC---UAAAA--UU--GGAAC
Mus_musculus_house_mouse                           A-----GCUUUGGGCAAA-GGAUCAGUCCUUGUAUUCUGAGAGCAGAC-A&GUG-CUCGC------------UUCGG------C-AG--C-AC--AUAUAC---UAAAA--UU--GGAAC
Echinops_telfairi_small_Madagascar_hedgehog        --------UCUGGACAAAGGGAUCUAUCUUUCCAUUCUGAGAGCAGACGA&GUG-CUCGC------------UUCGG------C-AG--C-AC--AUAUAC---UAAAA--UU--GGAAC
Monodelphis_domestica_gray_short-tailed_opossum    ------CUUCUGGGCACA-UGAUCAUAAUUUA-ACCCUGAGAGCAAAUUG&GUG-CU---------------UCAG------C-AG--C-AC--AUAUAC---UAAAA--UU--GGAAC
                                                   ------)))..))[[...-.[[[[...[[[[[[...(((....)))...-.&{{{-{.---------------...........-.}--}-}}--.....-.....-.{--{{{{{
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                                                           80        90       100       110       120       130       140       150       160       170       180       190
Bos_taurus_cattle                                  G-AUA----CAGAGAAGAUU-------------------------------------------------------------AGCAUGGC-CCCUGCGCAA-GGAUGACACGCAAAUU---CGU
Pan_troglodytes_chimpanzee                         G-AUA----CAGAGAAGAUU-------------------------------------------------------------AGCAUGGC-CCCUGCGCAA-GGAUGACACGCAAAUU---CGU
Homo_sapiens_human                                 G-AUA----CAGAGAAGAUU-------------------------------------------------------------AGCAUGGC-CCCUGCGCAA-GGAUGACACGCAAAUU---CGU
Canis_lupus_familiaris_dog                         G-AUA----CAGAGAAGAUU-------------------------------------------------------------AGCAUGGC-CCCUGCGCAA-GGAUGACACGCAAAUU---CGU
Mus_musculus_house_mouse                           G-AUA----CAGAGAAGAUU-------------------------------------------------------------AGCAUGGC-CCCUGCGCAA-GGAUGACACGCAAAUU---CGU
Echinops_telfairi_small_Madagascar_hedgehog        G-AUA----CAGAGAAGAUU-------------------------------------------------------------AGCAUGGC-CCCUGCGCAA-GGAUGACACGCAAAUU---CGU
Monodelphis_domestica_gray_short-tailed_opossum    G-AUA----CAGAGAAGAUU-------------------------------------------------------------AGCAUGGC-CCCUGCACAA-GGAUGACAUGCAAAUU---CGU
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reliab_paired
conservation

                                                           200       210
Bos_taurus_cattle                                  GAAGU------------GUUCCAUAUUUUU
Pan_troglodytes_chimpanzee                         GAAGU------------GUUCCAUAUUUUU
Homo_sapiens_human                                 GAAGC------------GUUCCAUAUUUUU
Canis_lupus_familiaris_dog                         GAAGC------------GUUCCAUAUUUUU
Mus_musculus_house_mouse                           GAAGC------------GUUCCAUAUUUUU
Echinops_telfairi_small_Madagascar_hedgehog        GAAGC------------GUUCCAUAUUUUU
Monodelphis_domestica_gray_short-tailed_opossum    GAAGC------------GUUCCAUAUUUUU
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conservation
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