Figure S5. Alignment of long reads (PacBio, ml#) to the predicted sequence (accession #MW020612; Rdo_MitoGenome) of the *Rhyzopertha dominica* mitochondrial genome and that predicted by Ouyang et al. [15] (accession #NC_042820). Protein-coding sequences are grayed and annotated below.

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nad2 ⟶

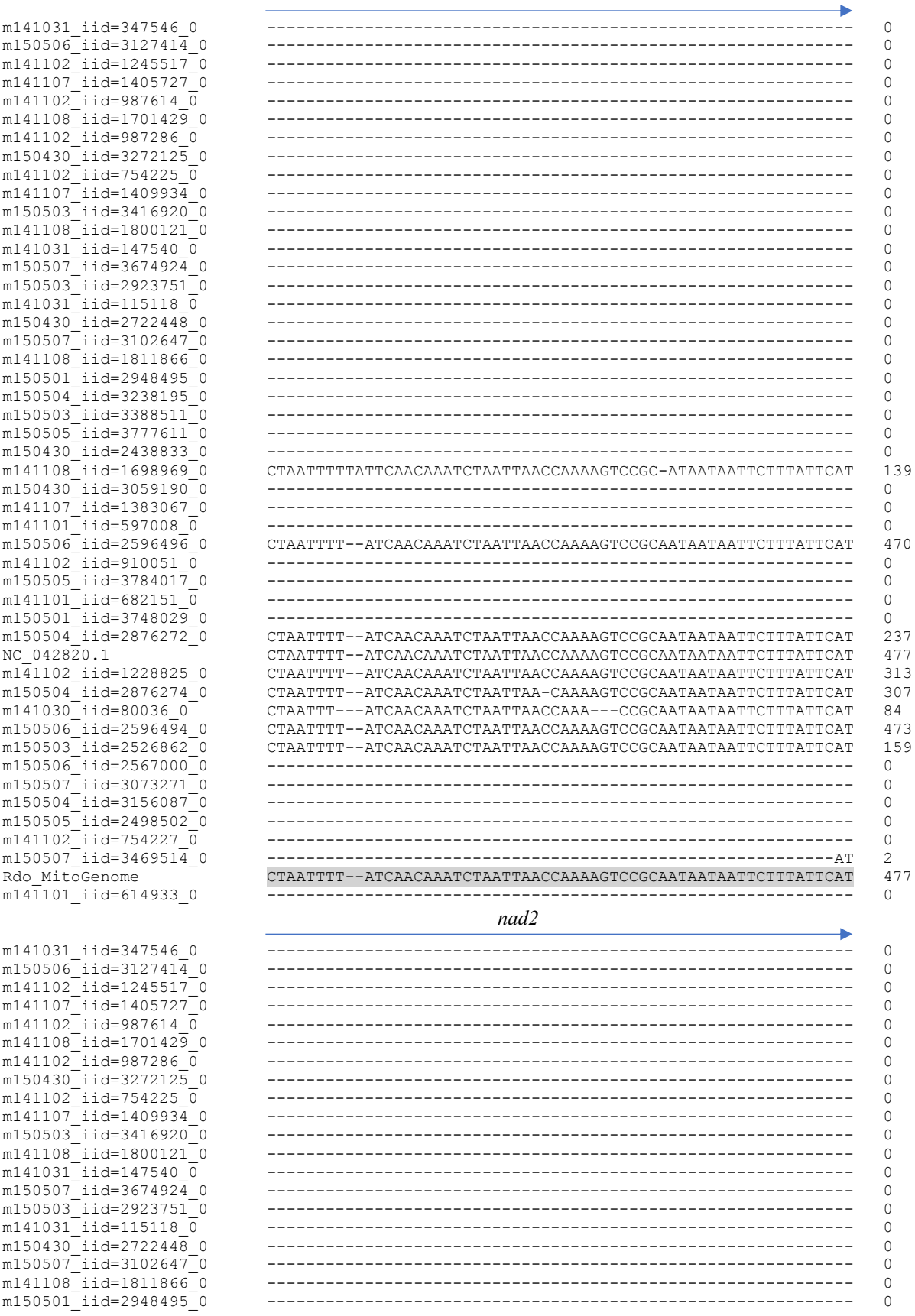
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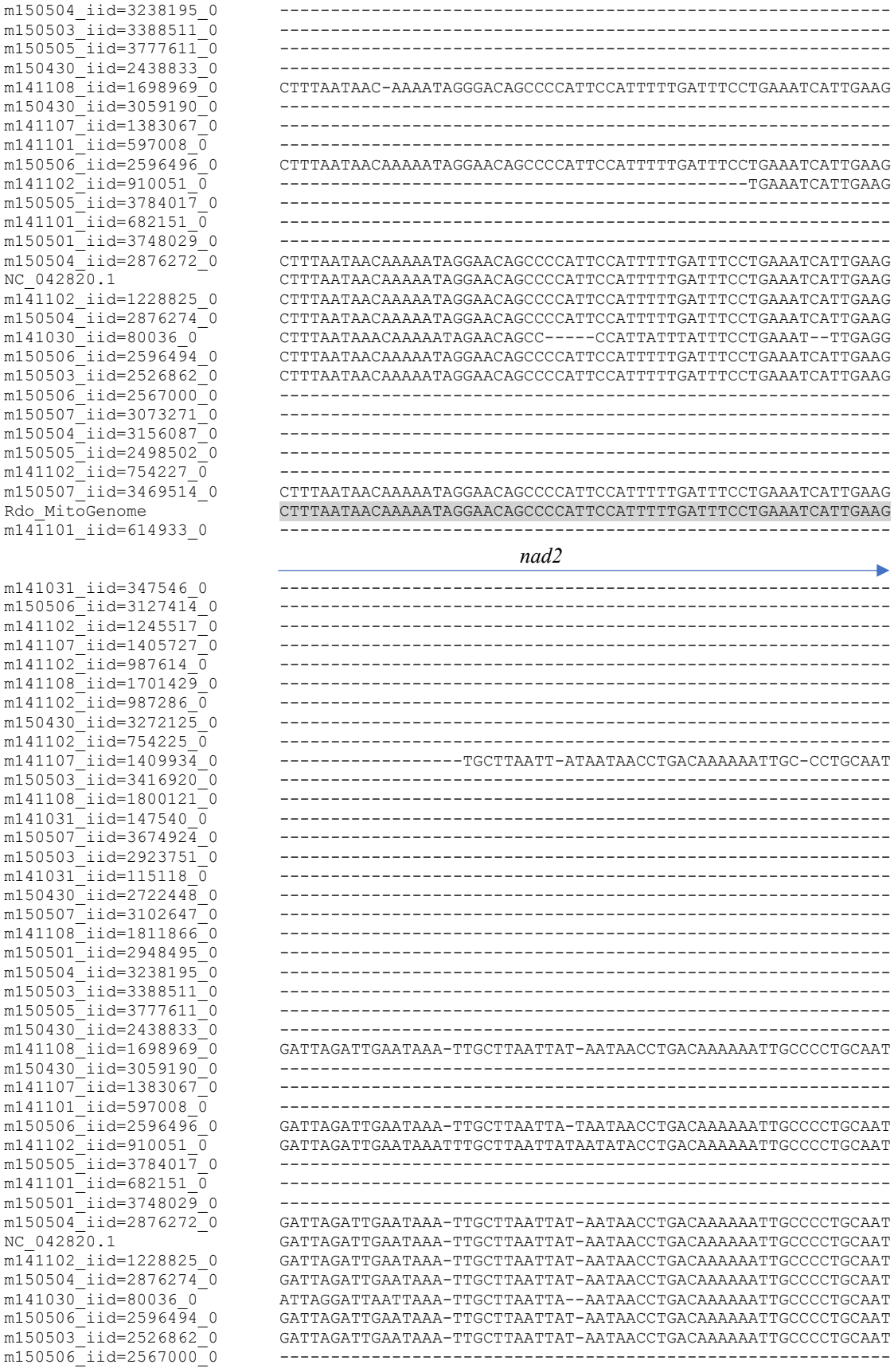
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nad2

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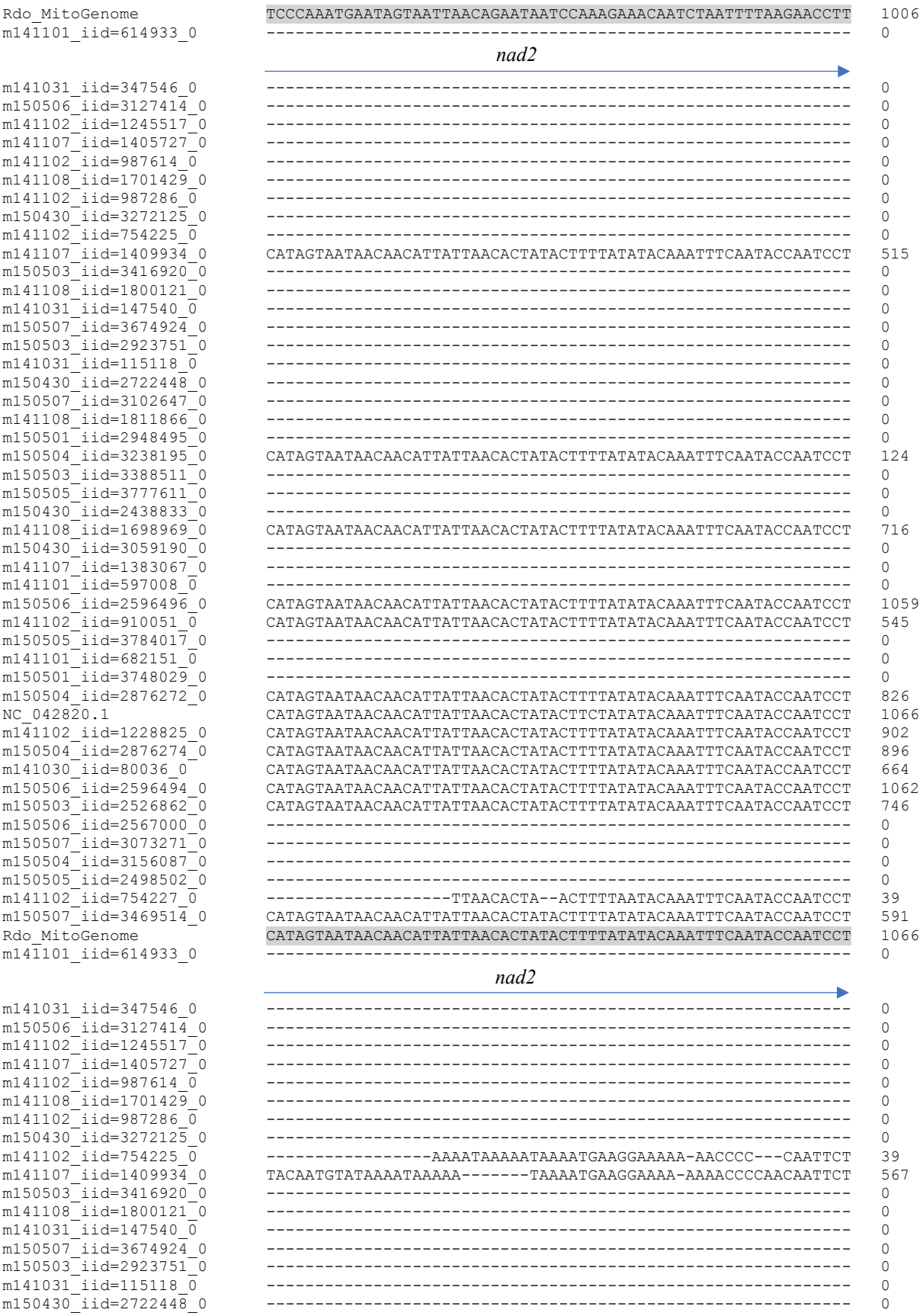
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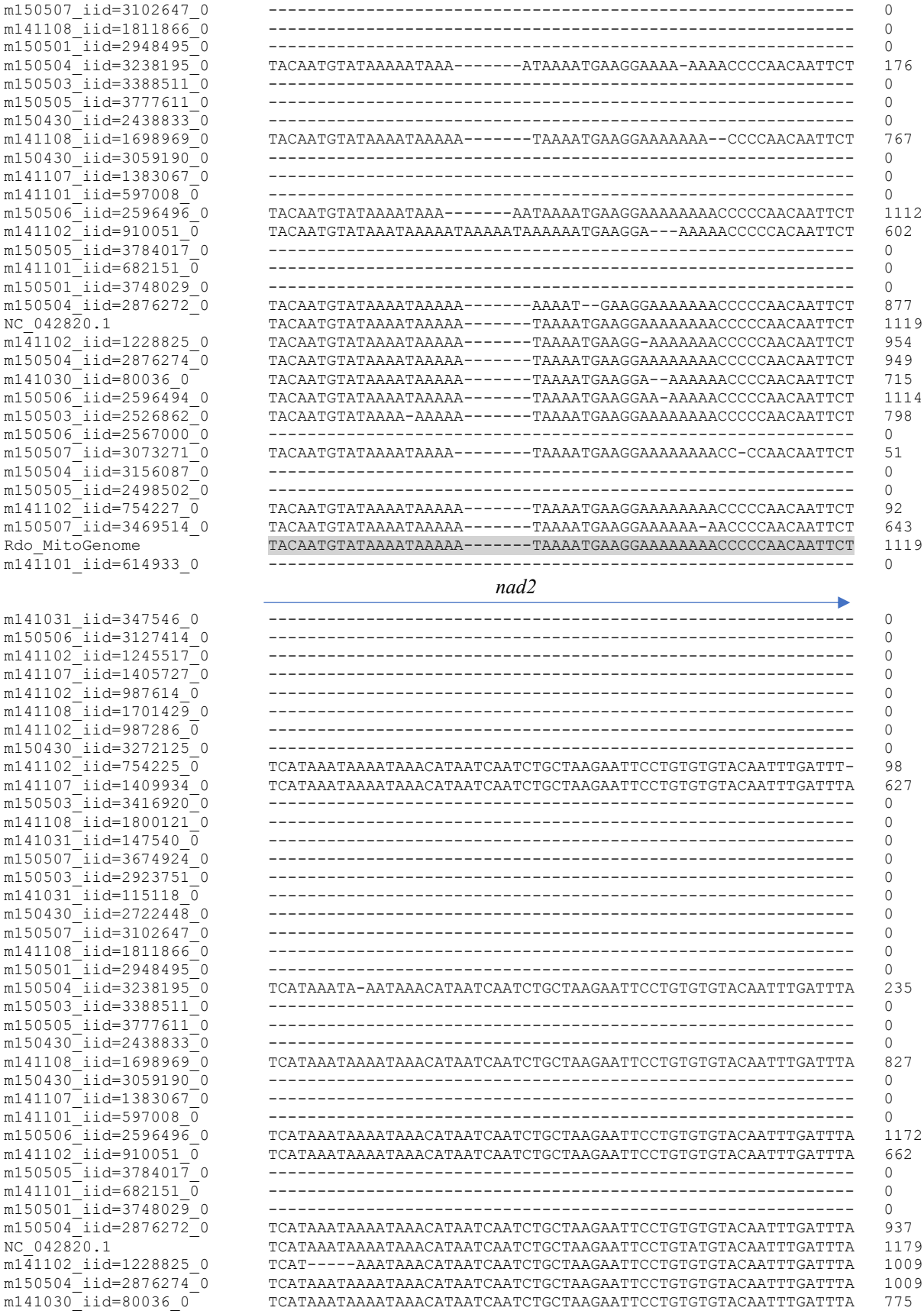
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NC_042820.1                AAAACATTTATTATCAATCTACTAAGAATAGGAGGATTGCCCCCTCTCCTAGGATTT-TT   946
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m150504_iid=2876274_0      AAAACATTTATTATCAATCTACTAAGAATAGGAGGATTGCCCCCTCTCCTAGGATTT-TT   776
m141030_iid=80036_0        AAAACATTTATTATCAATCTACTAAGAATAGGAGGATTGCCCCCTCTCCTAGGATTT-TT   544
m150506_iid=2596494_0      AAAACATTTATTATCAATCTACTAAGAATAGGAGGATTGCCCCCTCTCCTAGGATTT-TT   942
m150503_iid=2526862_0      AAAACATTTATTATCAATCTACTAAGAATAGGAGGATTG--CCCTCTCCTAGGATTT-TT   626
m150506_iid=2567000_0      ------------------------------------------------------------   0
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m150504_iid=3156087_0      ------------------------------------------------------------   0
m150505_iid=2498502_0      ------------------------------------------------------------   0
m141102_iid=754227_0       ------------------------------------------------------------   0
m150507_iid=3469514_0      AAAACATTTATTATCAATCTACTAAGAATAGGAGGATTGCCCCCTCTCCTAGGATTTTTT   471
Rdo_MitoGenome             AAAACATTTATTATCAATCTACTAAGAATAGGAGGATTGCCCCCTCTCCTAGGATTT-TT   946
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m150506_iid=3127414_0      ------------------------------------------------------------   0
m141102_iid=1245517_0      ------------------------------------------------------------   0
m141107_iid=1405727_0      ------------------------------------------------------------   0
m141102_iid=987614_0       ------------------------------------------------------------   0
m141108_iid=1701429_0      ------------------------------------------------------------   0
m141102_iid=987286_0       ------------------------------------------------------------   0
m150430_iid=3272125_0      ------------------------------------------------------------   0
m141102_iid=754225_0       ------------------------------------------------------------   0
m141107_iid=1409934_0      TCCCAAATGAATAGTAATTAACAGAATAATCCAAAGAAACAATCTAATTTTAAGAACCTT   455
m150503_iid=3416920_0      ------------------------------------------------------------   0
m141108_iid=1800121_0      ------------------------------------------------------------   0
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m150507_iid=3674924_0      ------------------------------------------------------------   0
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m141031_iid=115118_0       ------------------------------------------------------------   0
m150430_iid=2722448_0      ------------------------------------------------------------   0
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m141108_iid=1811866_0      ------------------------------------------------------------   0
m150501_iid=2948495_0      ------------------------------------------------------------   0
m150504_iid=3238195_0      TCCCAAATGAATAGTAATTAACAGAATAATCCAAAGAAACAATCTAATTTTAAGAACCTT   64
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m150505_iid=3777611_0      ------------------------------------------------------------   0
m150430_iid=2438833_0      ------------------------------------------------------------   0
m141108_iid=1698969_0      TCCCAAATGAATAGTAATTAACAGAATAATCCAAAGAAACAATCTAATTTTAAGAACCTT   656
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m141107_iid=1383067_0      ------------------------------------------------------------   0
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m150506_iid=2596496_0      TCCCAAATGAATAGTAATTAACAGAATAATCCAAAGAAACAATCTAATTTTAAGAACCTT   999
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m150505_iid=3784017_0      ------------------------------------------------------------   0
m141101_iid=682151_0       ------------------------------------------------------------   0
m150501_iid=3748029_0      ------------------------------------------------------------   0
m150504_iid=2876272_0      TCCCAAATGAATAGTAATTAACAGAATAATCCAAAGAAACAATCTAATTTTAAGAACCTT   766
NC_042820.1                TCCCAAATGAATAGTAATTAACAGAATAATCCAAAGAAACGATCTGATTTTAAGAACCTT   1006
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m150504_iid=2876274_0      TCCCAAATGAATAGTAATTAACAGAATAATCCAAAGAAACAATCTAATTTTAAGAACCTT   836
m141030_iid=80036_0        TCCCAAATGAATAGTAATTAACAGAATAATCCAAAGAAACAATCTAATTTTAAGAACCTT   604
m150506_iid=2596494_0      TCCCAAATGAATAGTAATTAACAGAATAATCCAAAGAAACAATCTAATTTTAAGAACCTT   1002
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m150505_iid=2498502_0      ------------------------------------------------------------   0
m141102_iid=754227_0       ------------------------------------------------------------   0
m150507_iid=3469514_0      TCCCAAATGAATAGTAATTAACAGAATAATCCAAAGAAACAATCTAATTTTAAGAACCTT   531
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Rdo_MitoGenome TCCCAAATGAATAGTAATTAACAGAATAATCCAAAGAAACAATCTAATTTTAAGAACCTT 1006
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nad2
m141031_iid=347546_0 0
m150506_iid=3127414_0 0
m141102_iid=1245517_0 0
m141107_iid=1405727_0 0
m141102_iid=987614_0 0
m141108_iid=1701429_0 0
m141102_iid=987286_0 0
m150430_iid=3272125_0 0
m141102_iid=754225_0 0
m141107_iid=1409934_0 CATAGTAATAACAACATTATTAACACTATACTTTTATATACAAATTTCAATACCAATCCT 515
m150503_iid=3416920_0 0
m141108_iid=1800121_0 0
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m150507_iid=3102647_0 0
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m141107_iid=1383067_0 0
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m150506_iid=2596496_0 CATAGTAATAACAACATTATTAACACTATACTTTTATATACAAATTTCAATACCAATCCT 1059
m141102_iid=910051_0 CATAGTAATAACAACATTATTAACACTATACTTTTATATACAAATTTCAATACCAATCCT 545
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m150506_iid=2596494_0 CATAGTAATAACAACATTATTAACACTATACTTTTATATACAAATTTCAATACCAATCCT 1062
m150503_iid=2526862_0 CATAGTAATAACAACATTATTAACACTATACTTTTATATACAAATTTCAATACCAATCCT 746
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m150507_iid=3073271_0 0
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Rdo_MitoGenome CATAGTAATAACAACATTATTAACACTATACTTTTATATACAAATTTCAATACCAATCCT 1066
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nad2
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m141107_iid=1409934_0 TACAATGTATAAAATAAAAA-------TAAAATGAAGGAAAA-AAAACCCCAACAATTCT 567
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m150503_iid=2526862_0 TACAATGTATAAAA-AAAAA-------TAAAATGAAGGAAAAAAAACCCCCAACAATTCT 798
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m150507_iid=3073271_0 TACAATGTATAAAATAAAA--------TAAAATGAAGGAAAAAAAACC-CCAACAATTCT 51
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m150505_iid=2498502_0 0
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m150507_iid=3469514_0 TACAATGTATAAAATAAAAA-------TAAAATGAAGGAAAAAA-AACCCCAACAATTCT 643
Rdo_MitoGenome TACAATGTATAAAATAAAAA-------TAAAATGAAGGAAAAAAAACCCCCAACAATTCT 1119
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nad2
m141031_iid=347546_0 0
m150506_iid=3127414_0 0
m141102_iid=1245517_0 0
m141107_iid=1405727_0 0
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m141108_iid=1701429_0 0
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m141107_iid=1409934_0 TCATAAATAAAATAAACATAATCAATCTGCTAAGAATTCCTGTGTGTGTACAATTTGATTTA 627
m150503_iid=3416920_0 0
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m150507_iid=3674924_0 0
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m150507_iid=3102647_0 0
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m150501_iid=2948495_0 0
m150504_iid=3238195_0 TCATAAATA-AATAAACATAATCAATCTGCTAAGAATTCCTGTGTGTGTACAATTTGATTTA 235
m150503_iid=3388511_0 0
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m141108_iid=1698969_0 TCATAAATAAAATAAACATAATCAATCTGCTAAGAATTCCTGTGTGTGTACAATTTGATTTA 827
m150430_iid=3059190_0 0
m141107_iid=1383067_0 0
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m150506_iid=2596496_0 TCATAAATAAAATAAACATAATCAATCTGCTAAGAATTCCTGTGTGTGTACAATTTGATTTA 1172
m141102_iid=910051_0 TCATAAATAAAATAAACATAATCAATCTGCTAAGAATTCCTGTGTGTGTACAATTTGATTTA 662
m150505_iid=3784017_0 0
m141101_iid=682151_0 0
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NC_042820.1 TCATAAATAAAATAAACATAATCAATCTGCTAAGAATTCCTGTATGTACAATTTGATTTA 1179
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m150504_iid=2876274_0 TCATAAATAAAATAAACATAATCAATCTGCTAAGAATTCCTGTGTGTGTACAATTTGATTTA 1009
m141030_iid=80036_0 TCATAAATAAAATAAACATAATCAATCTGCTAAGAATTCCTGTGTGTGTACAATTTGATTTA 775

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m150506_iid=2567000_0      ------------------------------------------------------------   0
m150507_iid=3073271_0      TCATAAATAAAATAAACATAATCAATCTGCTAAGAATTCCTGTGTGTACAATTTGATTTA   111
m150504_iid=3156087_0      ------------------------------------------------------------   0
m150505_iid=2498502_0      ------------------------------------------------------------   0
m141102_iid=754227_0       TCATAAATAAAATAAACATAATCAATCTGCTAAGAATTCCTGTGTGTACAATTTGATTTA   152
m150507_iid=3469514_0      TCATAAATAAAATAAACATAATCAATCTGCTAAGAATTCCTGTGTGTACAATTTGATTTA   703
Rdo_MitoGenome             TCATAAATAAAATAAACATAATCAATCTGCTAAGAATTCCTGTGTGTACAATTTGATTTA   1179
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                                                nad2
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m141107_iid=1405727_0      ------------------------------------------------------------   0
m141102_iid=987614_0       ------------------------------------------------------------   0
m141108_iid=1701429_0      ------------------------------------------------------------   0
m141102_iid=987286_0       ------------------------------------------------------------   0
m150430_iid=3272125_0      ------------------------------------------------------------   0
m141102_iid=754225_0       ACTTTTATTAAGGATTTAAGTTAAATCAAACTAACAGCCTTCAAGAGCTGTAAATAGCAA   158
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m150503_iid=3416920_0      ------------------------------------------------------------   0
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m141031_iid=147540_0       ------------------------------------------------------------   0
m150507_iid=3674924_0      ------------------------------------------------------------   0
m150503_iid=2923751_0      ------------------------------------------------------------   0
m141031_iid=115118_0       ------------------------------------------------------------   0
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m150507_iid=3102647_0      ------------------------------------------------------------   0
m141108_iid=1811866_0      ------------------------------------------------------------   0
m150501_iid=2948495_0      ------------------------------------------------------------   0
m150504_iid=3238195_0      ACTTTTATTAAGGATTTAAGTTAAATCAAACTAACAGCCTTCAAAGCTGTAA-AAAGCAA   294
m150503_iid=3388511_0      ------------------------------------------------------------   0
m150505_iid=3777611_0      ------------------------------------------------------------   0
m150430_iid=2438833_0      ------------------------------------------------------------   0
m141108_iid=1698969_0      ACTTTTATTAAGGATTTAAGTTAAATCAAACTAACAGCCTTCAAAGCTGTAAATAAGCAA   887
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m141107_iid=1383067_0      ------------------------------------------------------------   0
m141101_iid=597008_0       ------------------------------------------------------------   0
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m150505_iid=3784017_0      ------------------------------------------------------------   0
m141101_iid=682151_0       ------------------------------------------------------------   0
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m150504_iid=2876272_0      ACTTTTATTAAGGATTTAAGTTAAATCAAACTAACAGCCTTCAAAGCTGTAAATAAGCAA   997
NC_042820.1                ACTTTTATTAAGGATTTAAGTTAAATCAAACTAACAGCCTTCAAAGCTGTAAATAAGCAA   1239
m141102_iid=1228825_0      ACTTTTATTAAGGATTTAAGTTAAATCAAACTAACAGCCTTCAAAGCTGTAAATAAGCAA   1069
m150504_iid=2876274_0      ACTTTTATTAAGGATTTAAGTTAAATCAAACTAACAGCCTTCAAAGCTGTAAATAAGCAA   1069
m141030_iid=80036_0        ACTTTTATTAAGGATTTAAGTTAAATCAAACTAACAGCCTTCAAAGCTGTAAATAAGCAA   835
m150506_iid=2596494_0      ACTTTTATTAAGGATTTAAGTTAAATCAAACTAACAGCCTTCAAAGCTGTAAATAAGCAA   1234
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m150506_iid=2567000_0      ------------------------------------------------------------   0
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m150505_iid=2498502_0      ------------------------------------------------------------   0
m141102_iid=754227_0       ACTTTTATTAAGGATTTAAGTTAAATCAAACTAACAGCCTTCAAAGCTGTAAATAAGCAA   212
m150507_iid=3469514_0      ACTTTTATTAAGGATTTAAGTTAAATCAAACTAACAGCCTTCAAAGCTGTAAATAAGCAA   763
Rdo_MitoGenome             ACTTTTATTAAGGATTTAAGTTAAATCAAACTAACAGCCTTCAAAGCTGTAAATAAGCAA   1239
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m150506_iid=3127414_0      ------------------------------------------------------------   0
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m141107_iid=1405727_0      ------------------------------------------------------------   0
m141102_iid=987614_0       ------------------------------------------------------------   0
m141108_iid=1701429_0      ------------------------------------------------------------   0
m141102_iid=987286_0       ------------------------------------------------------------   0
m150430_iid=3272125_0      ------------------------------------------------------------   0
m141102_iid=754225_0       ATGTTTAAGCCTTAGAGCTTAACTCACCTTTAAATTTGCAATTTAAAATCATTTTGAATA   218
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m150507_iid=3674924_0      ------------------------------------------------------------   0
m150503_iid=2923751_0      ------------------------------------------------------------   0
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m150507_iid=3102647_0      ------------------------------------------------------------   0
m141108_iid=1811866_0      ------------------------------------------------------------   0
m150501_iid=2948495_0      ------------------------------------------------------------   0
m150504_iid=3238195_0      ATGTTTAAGCCTTAGAGCTTAACTCACCTTTAAATTTGCAATTTAAAATCATTTTGAATA   354
m150503_iid=3388511_0      ------------------------------------------------------------   0
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m150430_iid=2438833_0      ------------------------------------------------------------   0
m141108_iid=1698969_0      ATGTTTAAGCCTTAGAGCTTAACTCACCTTTAAATTTGCAATTTAAAATCATTTTGAATA   947
m150430_iid=3059190_0      ------------------------------------------------------------   0
m141107_iid=1383067_0      ------------------------------------------------------------   0
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m150506_iid=2596496_0      ATGTTTAAGCCTTAGAGCTTAACTCACCTTTAAATTTGCAATTTAAAATCATTTTGAATA   1292
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m150505_iid=3784017_0      ------------------------------------------------------------   0
m141101_iid=682151_0       ------------------------------------------------------------   0
m150501_iid=3748029_0      ------------------------------------------------------------   0
m150504_iid=2876272_0      ATGTTTAAGCCTTAGAGCTTAACTCACCTTTAAATTTGCAATTTAAAATCATTTTGAATA   1057
NC_042820.1                ATGTTTAAGCCTTAGAGCTTAACTCACCTTTAAATTTGCAATTTAAAATCATTTTGAATA   1299
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m141030_iid=80036_0        ATGTTTAAGCCTTAGAGCTTAACTCACCTTTAAATTTGCAATTTAAAATCATTTTGAATA   895
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m150504_iid=3156087_0      ------AAGCCTTAGAGCTTAACTCACCTTTAAATTTGCAATTTAAAATCATTTTGAATA   54
m150505_iid=2498502_0      ------------------------------------------------------------   0
m141102_iid=754227_0       ATGTTTAAGCCTTAGAGCTTAACTCACCTTTAAATTTGCAATTTAAAATCATTTTGAATA   272
m150507_iid=3469514_0      ATGTTTAAGCCTTAGAGCTTAACTCACCTTTAAATTTGCAATTTAAAATCATTTTGAATA   823
Rdo_MitoGenome             ATGTTTAAGCCTTAGAGCTTAACTCACCTTTAAATTTGCAATTTAAAATCATTTTGAATA   1299
m141101_iid=614933_0       ------------------------------------------------------------   0


m141031_iid=347546_0       ------------------------------------------------------------   0
m150506_iid=3127414_0      ------------------------------------------------------------   0
m141102_iid=1245517_0      ------------------------------------------------------------   0
m141107_iid=1405727_0      ------------------------------------------------------------   0
m141102_iid=987614_0       ------------------------------------------------------------   0
m141108_iid=1701429_0      ------------------------------------------------------------   0
m141102_iid=987286_0       ------------------------------------------------------------   0
m150430_iid=3272125_0      ------------------------------------------------------------   0
m141102_iid=754225_0       TAAGACCGATGAGAAGGAAAA-CCCGTAAATAGATTTACAATCTAACGCTTAAACTCAGC   277
m141107_iid=1409934_0      TAAGACCGATGAGAAGGAAAA-CCCGTAAATAGATTTACAATCTAACGCTTAAACTCAGC   806
m150503_iid=3416920_0      ------------------------------------------------------------   0
m141108_iid=1800121_0      ------------------------------------------------------------   0
m141031_iid=147540_0       ------------------------------------------------------------   0
m150507_iid=3674924_0      ------------------------------------------------------------   0
m150503_iid=2923751_0      ------------------------------------------------------------   0
m141031_iid=115118_0       ------------------------------------------------------------   0
m150430_iid=2722448_0      ------------------------------------------------------------   0
m150507_iid=3102647_0      ------------------------------------------------------------   0
m141108_iid=1811866_0      ------------------------------------------------------------   0
m150501_iid=2948495_0      ------------------------------------------------------------   0
m150504_iid=3238195_0      TAAGACCGATGAGAAGGAAAACCCCGTAAATAGATTTACAATCTAACGCTTAAACTCAGC   414
m150503_iid=3388511_0      ------------------------------------------------------------   0
m150505_iid=3777611_0      ------------------------------------------------------------   0
m150430_iid=2438833_0      ------------------------------------------------------------   0
m141108_iid=1698969_0      TAAGACCGATGAGAAGGAAAACCCCGTAAATAGATTTACAATCTAACGCTTAAACTCAGC   1007
m150430_iid=3059190_0      ------------------------------------------------------------   0
m141107_iid=1383067_0      ------------------------------------------------------------   0
m141101_iid=597008_0       ------------------------------------------------------------   0
m150506_iid=2596496_0      TAAGACCGATGAGAAGGAAAACCCCGTAAATAGATTTACAATCTAACGCTTAAACTCAGC   1352
m141102_iid=910051_0       TAAGACCGATGAGAAGGAAAACCCCGTAAATAGATTTACAATCTAACGCTTAAACTCAGC   842
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m150505_iid=3784017_0      ------------------------------------------------------------   0
m141101_iid=682151_0       ------------------------------------------------------------   0
m150501_iid=3748029_0      ------------------------------------------------------------   0
m150504_iid=2876272_0      TAAGACCGATGAGAAGGAAAACCCCGTAAATAGATTTACAATCTAACGCTTAAACTCAGC   1117
NC_042820.1                TAAGACCGATGAGAAGGAAAACCCCGTAAATAGATTTACAATCTAACGCTTAAACTCAGC   1359
m141102_iid=1228825_0      TAAGACCGATGAGAAGGAAAACCCCGTAAATAGATTTACAATCTAACGCTTAAACTCAGC   1189
m150504_iid=2876274_0      TAAGACCGATGAGAAGGAAAACCCCGTAAATAGATTTACAATCTAACGCTTAAACTCAGC   1189
m141030_iid=80036_0        TAAGACCGATGAGAAGGAAAACCCCGTAAATAGATTTACAATCTAACGCTTAAACTCAGC   955
m150506_iid=2596494_0      TAAGACCGATGAGAAGGAAAACCCCGTAAATAGATTTACAATCTAACGCTTAAACTCAGC   1354
m150503_iid=2526862_0      TAAGACCGATGAGAAGGAAAACCCCGTAAATAGATTTACAATCTAACGCTTAAACTCAGC   1038
m150506_iid=2567000_0      ------------------------------------------------------------   0
m150507_iid=3073271_0      TAAGACCGATGAGAAGGAAAACCCCGTAAATAGATTTACAATCTAACGCTTAAACTCAGC   291
m150504_iid=3156087_0      TAAGACCGATGAGAAGGAAAACCCCGTAAATAGATTTACAATCTAACGCTTAAACTCAGC   114
m150505_iid=2498502_0      ------------------------------------------------------------   0
m141102_iid=754227_0       TAAGACCGATGAGAAGGAAAA-CCCGTAAATAGATTTACAATCTAACGCTTAAACTCAGC   331
m150507_iid=3469514_0      TAAGACCGATGAGAAGGAAAACCCCGTAAATAGATTTACAATCTAACGCTTAAACTCAGC   883
Rdo_MitoGenome             TAAGACCGATGAGAAGGAAAACCCCGTAAATAGATTTACAATCTAACGCTTAAACTCAGC   1359
m141101_iid=614933_0       ------------------------------------------------------------   0


m141031_iid=347546_0       ------------------------------------------------------------   0
m150506_iid=3127414_0      ------------------------------------------------------------   0
m141102_iid=1245517_0      ------------------------------------------------------------   0
m141107_iid=1405727_0      ------------------------------------------------------------   0
m141102_iid=987614_0       ------------------------------------------------------------   0
m141108_iid=1701429_0      ------------------------------------------------------------   0
m141102_iid=987286_0       ------------------------------------------------------------   0
m150430_iid=3272125_0      ------------------------------------------------------------   0
m141102_iid=754225_0       CACCTCAACGAATAAATGATTATATTCAACAAACCACAAAGACATCGGAACACTATACTT   337
m141107_iid=1409934_0      CACCTCAACGAATAAATGATTATATTCAACAAACCACAAAGACATCGGAACACTATACTT   866
m150503_iid=3416920_0      ------------------------------------------------------------   0
m141108_iid=1800121_0      ------------------------------------------------------------   0
m141031_iid=147540_0       ------------------------------------------------------------   0
m150507_iid=3674924_0      ------------------------------------------------------------   0
m150503_iid=2923751_0      ------------------------------------------------------------   0
m141031_iid=115118_0       ------------------------------------------------------------   0
m150430_iid=2722448_0      ------------------------------------------------------------   0
m150507_iid=3102647_0      ------------------------------------------------------------   0
m141108_iid=1811866_0      ------------------------------------------------------------   0
m150501_iid=2948495_0      ------------------------------------------------------------   0
m150504_iid=3238195_0      CACCTCAACGAATAAATGATTATATTCAACAAACCACAAAGACATCGGAACACTATACTT   474
m150503_iid=3388511_0      ------------------------------------------------------------   0
m150505_iid=3777611_0      ------------------------------------------------------------   0
m150430_iid=2438833_0      ------------------------------------------------------------   0
m141108_iid=1698969_0      CACCTCAACGAATAAATGATTATATTCAACAAACCACAAAGACATCGGAACACTATACTT   1067
m150430_iid=3059190_0      ------------------------------------------------------------   0
m141107_iid=1383067_0      ------------------------------------------------------------   0
m141101_iid=597008_0       ------------------------------------------------------------   0
m150506_iid=2596496_0      CACCTCAACGAATAAATGATTATATTCAACAAACCACAAAGACATCGGAACACTATACTT   1412
m141102_iid=910051_0       CACCTCAACGAATAAATGATTATATTCAACAAACCACAAAGACATCGGAACACTATACTT   902
m150505_iid=3784017_0      ------------------------------------------------------------   0
m141101_iid=682151_0       ------------------------------------------------------------   0
m150501_iid=3748029_0      ------------------------------------------------------------   0
m150504_iid=2876272_0      CACCTCAACGAATAAATGATTATATTCAACAAACCACAAAGACATCGGAACACTATACTT   1177
NC_042820.1                CACCTCAACGAATAAATGATTATATTCAACAAACCACAAAGACATCGGAACACTATACTT   1419
m141102_iid=1228825_0      CACCTCAACGAATAAATGATTATATTCAACAAACCACAAAGACATCGGAACACTATACTT   1249
m150504_iid=2876274_0      CACCTCAACGAATAAATGATTATATTCAACAAACCACAAAGACATCGGAACACTATACTT   1249
m141030_iid=80036_0        CACCTCAACGAATAAATGATTATATTCAACAAACCACAAAGACATCGGAACACTATACTT   1015
m150506_iid=2596494_0      CACCTCAACGAATAAATGATTATATTCAACAAACCACAAAGACATCGGAACACTATACTT   1414
m150503_iid=2526862_0      CACCTCAACGAATAAATGATTATATTCAACAAACCACAAAGACATCGGAACACTATACTT   1098
m150506_iid=2567000_0      ------------------------------------------------------------   0
m150507_iid=3073271_0      CACCTCAACGAATAAATGATTATATTCAACAAACCACAAAGACATCGGAACACTATACTT   351
m150504_iid=3156087_0      CACCTCAACGAATAAATGATTATATTCAACAAACCACAAAGACATCGGAACACTATACTT   174
m150505_iid=2498502_0      ------------------------------------------------------------   0
m141102_iid=754227_0       CACCTCAACGAATAAATGATTATATTCAACAAACCACAAA----ACATAACACTATACTT   387
m150507_iid=3469514_0      CACCTCAACGAATAAATGATTATATTCAACAAACCACAAAGACATCGGAACACTATACTT   943
Rdo_MitoGenome             CACCTCAACGAATAAATGATTATATTCAACAAACCACAAAGACATCGGAACACTATACTT   1419
m141101_iid=614933_0       ------------------------------------------------------------   0

                                        cox1

m141031_iid=347546_0       ------------------------------------------------------------   0
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m150506_iid=3127414_0      ------------------------------------------------------------   0
m141102_iid=1245517_0      ------------------------------------------------------------   0
m141107_iid=1405727_0      ------------------------------------------------------------   0
m141102_iid=987614_0       ------------------------------------------------------------   0
m141108_iid=1701429_0      ------------------------------------------------------------   0
m141102_iid=987286_0       ------------------------------------------------------------   0
m150430_iid=3272125_0      ------------------------------------------------------------   0
m141102_iid=754225_0       CATCTTCGGAATCTGATCAGGAATAGTAGGAACAGCCCTAAGAATACTAATCCGATCCGA   397
m141107_iid=1409934_0      CATCTTCGGAATCTGATCAGGAATAGTAGGAACAGCCCTAAGAATACTAATCCGATCCGA   926
m150503_iid=3416920_0      ------------------------------------------------------------   0
m141108_iid=1800121_0      ------------------------------------------------------------   0
m141031_iid=147540_0       ------------------------------------------------------------   0
m150507_iid=3674924_0      ------------------------------------------------------------   0
m150503_iid=2923751_0      ------------------------------------------------------------   0
m141031_iid=115118_0       ------------------------------------------------------------   0
m150430_iid=2722448_0      ------------------------------------------------------------   0
m150507_iid=3102647_0      ------------------------------------------------------------   0
m141108_iid=1811866_0      ------------------------------------------------------------   0
m150501_iid=2948495_0      ------------------------------------------------------------   0
m150504_iid=3238195_0      CATCTTCGGAATCTGATCAGGAATAGTAGGAACAGCCCTAAGAATACTAATCCGATCCGA   534
m150503_iid=3388511_0      ------------------------------------------------------------   0
m150505_iid=3777611_0      ------------------------------------------------------------   0
m150430_iid=2438833_0      ----------------------------------------------------------ATCCGA   6
m141108_iid=1698969_0      CATCTTCGGAATCTGATCAGGAATAGTAGGAACAGCCCTAAGAATACTAATCCGATCCGA   1127
m150430_iid=3059190_0      ------------------------------------------------------------   0
m141107_iid=1383067_0      ------------------------------------------------------------   0
m141101_iid=597008_0       ------------------------------------------------------------   0
m150506_iid=2596496_0      CATCTTCGGAATCTGATCAGGAATAGTAGGAACAGCCCTAAGAATACTAATCCGATCCGA   1472
m141102_iid=910051_0       CATCTTCGGAATCTGATCAGGAATAGTAGGAACAGCCCTAAGAATACTAATCCGATCCGA   962
m150505_iid=3784017_0      ------------------------------------------------------------   0
m141101_iid=682151_0       ------------------------------------------------------------   0
m150501_iid=3748029_0      ------------------------------------------------------------   0
m150504_iid=2876272_0      CATCTTCGGAATCTGATCAGGAATAGTAGGAACAGCCCTAAGAATACTAATCCGATCCGA   1237
NC_042820.1                CATCTTCGGAATCTGATCAGGAATAGTAGGAACAGCCCTAAGAATACTAATCCGATCCGA   1479
m141102_iid=1228825_0      CATCTTCGGAATCTGATCAGGAATAGTAGGAACAGCCCTAAGAATACTAATCCGATCCGA   1309
m150504_iid=2876274_0      CATCTTCGGAATCTGATCAGGAATAGTAGGAACAGCCCTAAGAATACTAATCCGATCCGA   1309
m141030_iid=80036_0        CATCTTCGGAATCTGATCAGGAATAGTAGGAACAGCCCTAAGAATACTAATCCGATCCGA   1075
m150506_iid=2596494_0      CATCTTCGGAATCTGATCAGGAATAGTAGGAACAGCCCTAAGAATACTAATCCGATCCGA   1474
m150503_iid=2526862_0      CATCTTCGGAATCTGATCAGGAATAGTAGGAACAGCCCTAAGAATACTAATCCGATCCGA   1158
m150506_iid=2567000_0      ------------------------------------------------------------   0
m150507_iid=3073271_0      CATCTTCGGAATCTGATCAGGAATAGTAGGAACAGCCCTAAGAATACTAATCCGATCCGA   411
m150504_iid=3156087_0      CATCTTCGGAATCTGATCAGGAATAGTAGGAACAGCCCTAAGAATACTAATCCGATCCGA   234
m150505_iid=2498502_0      ------------------------------------------------------------   0
m141102_iid=754227_0       CATCTTCGGAATCTGATCAGGAATAGTAGGAACAGCCCTAAGAATACTAATCCGATCCGA   447
m150507_iid=3469514_0      CATCTTCGGAATCTGATCAGGAATAGTAGGAACAGCCCTAAGAATACTAATCCGATCCGA   1003
Rdo_MitoGenome             CATCTTCGGAATCTGATCAGGAATAGTAGGAACAGCCCTAAGAATACTAATCCGATCCGA   1479
m141101_iid=614933_0       ----------------------------GGAACAGCCCTAAGAATACTAATCCGATCCGA   32
                                                        cox1
m141031_iid=347546_0       ------------------------------------------------------------   0
m150506_iid=3127414_0      ------------------------------------------------------------   0
m141102_iid=1245517_0      ------------------------------------------------------------   0
m141107_iid=1405727_0      ------------------------------------------------------------   0
m141102_iid=987614_0       ------------------------------------------------------------   0
m141108_iid=1701429_0      ------------------------------------------------------------   0
m141102_iid=987286_0       ------------------------------------------------------------   0
m150430_iid=3272125_0      ------------------------------------------------------------   0
m141102_iid=754225_0       ATTAGGAAATCCAGGAGCCCTAATTGGAGATGACCAAA-TTTATAACGTAATTGTAACAG   456
m141107_iid=1409934_0      ATTAGGAAATCCAGGAGCCCTAATTGGAGATGACCAAA-TTTATAACGTAATTGTAACAG   985
m150503_iid=3416920_0      ------------------------------------------------------------   0
m141108_iid=1800121_0      ------------------------------------------------------------   0
m141031_iid=147540_0       ------------------------------------------------------------   0
m150507_iid=3674924_0      ----------------------------------------------------------TGTAACAG   8
m150503_iid=2923751_0      ------------------------------------------------------------   0
m141031_iid=115118_0       ------------------------------------------------------------   0
m150430_iid=2722448_0      ------------------------------------------------------------   0
m150507_iid=3102647_0      ------------------------------------------------------------   0
m141108_iid=1811866_0      ------------------------------------------------------------   0
m150501_iid=2948495_0      ------------------------------------------------------------   0
m150504_iid=3238195_0      T-TAGGAAATCCAGGAGCCCTAATTGGAGATGACCAAA-TTTATAACGTAATTGTAACAG   592
m150503_iid=3388511_0      ------------------------------------------------------------   0
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m150505_iid=3777611_0      ------------------------------------------------------------   0
m150430_iid=2438833_0      ATTAGGAAATC-AGGAGCCCTAATTGGAGATGACCAAA-TTTATAACGTAATTGTAACAG   64
m141108_iid=1698969_0      ATTAGGAAATCCAGGAGCCCTAATTGGAGATGACCAAA-TTTATAACGTAATTGTAACAG   1186
m150430_iid=3059190_0      ------------------------------------------------------------   0
m141107_iid=1383067_0      ------------------------------------------------------------   0
m141101_iid=597008_0       ------------------------------------------------------------   0
m150506_iid=2596496_0      ATTAGGAAATCCAGGAGCCCTAATTGGAGATGACCAAA-TTTATAACGTAATTGTAACAG   1531
m141102_iid=910051_0       ATTAGGAAATCCAGGAGCCCTAATTGGAGATGACCAAA-TTTATAACGTAATTGTAACAG   1021
m150505_iid=3784017_0      ------------------------------------------------------------   0
m141101_iid=682151_0       ------------------------------------------------------------   0
m150501_iid=3748029_0      ------------------------------------------------------------   0
m150504_iid=2876272_0      ATTAGGAAATCCAGGAGCCCTAATTGGAGATGACCAAA-TTTATAACGTAATTGTAACAG   1296
NC_042820.1                ATTAGGAAATCCAGGAGCCCTAATTGGAGATGACCAAA-TTTATAACGTAATTGTAACAG   1538
m141102_iid=1228825_0      ATTAGGAAATCCAGGAGCCCTAATTGGAGATGACCAAA-TTTATAACGTAATTGTAACAG   1368
m150504_iid=2876274_0      ATTAGGAAATCCAGGAGCCCTAATTGGAGATGACCAAA-TTTATAACGTAATTGTAACAG   1368
m141030_iid=80036_0        ATTAGGAAATCCAGGAGCCCTAATTGGAGATGACCAAA-TTTATAACGTAATTGTAACAG   1134
m150506_iid=2596494_0      ATTAGGAAATCCAGGAGCCCTAATTGGAGATGACCAAA-TTTATAACGTAATTGTAACAG   1533
m150503_iid=2526862_0      ATTAGGAAATCCAGGAGCCCTAATTGGAGATGACCAAA-TTTATAACGTAATTGTAACAG   1217
m150506_iid=2567000_0      ------------------------------------------------------------   0
m150507_iid=3073271_0      ATTAGGAAATCCAGGAGCCCTAATTGGAGATGACCAAA-TTTATAACGTAATTGTAACAG   470
m150504_iid=3156087_0      ATTAGGAAATCCAGGAGCCCTAATTGGAGATGACCAAA-TTTATAACGTAATTGTAACAG   293
m150505_iid=2498502_0      ------------------------------------------------------------   0
m141102_iid=754227_0       ATTAGGAAATCCAGGAGCCCTAATTGGAGATGACCAAA-TTTATAACGTAATTGTAACAG   506
m150507_iid=3469514_0      ATTAGGAAATCCAGGAGCCCTAATTGGAGATGACCAAAATTTATAACGTAATTGTAACAG   1063
Rdo_MitoGenome             ATTAGGAAATCCAGGAGCCCTAATTGGAGATGACCAAA-TTTATAACGTAATTGTAACAG   1538
m141101_iid=614933_0       ATTAGGAAATCCAGGAGCCCTAATTGGAGATGACCAAA-TTTATAACGTAATTGTAACAG   91
                                                        cox1
m141031_iid=347546_0       ------------------------------------------------------------   0
m150506_iid=3127414_0      ------------------------------------------------------------   0
m141102_iid=1245517_0      ------------------------------------------------------------   0
m141107_iid=1405727_0      ------------------------------------------------------------   0
m141102_iid=987614_0       ------------------------------------------------------------   0
m141108_iid=1701429_0      ------------------------------------------------------------   0
m141102_iid=987286_0       ------------------------------------------------------------   0
m150430_iid=3272125_0      ------------------------------------------------------------   0
m141102_iid=754225_0       CACATGCATTCATCATAAT-TTTCTTCATAGTT-ATACCAATAATAATTGGAGGATTCGG   514
m141107_iid=1409934_0      CACATGCATTCATCATAAT-TTTCTTCATAGTT-ATACCAATAATAATTGGAGGATTCGG   1043
m150503_iid=3416920_0      ------------------------------------------------------------   0
m141108_iid=1800121_0      ------------------------------------------------------------   0
m141031_iid=147540_0       ------------------------------------------------------------   0
m150507_iid=3674924_0      CACATGCATTCATCATAATTTTTCTTCAAGTTATATACCAAT--AATATGGAGGATTCGA   66
m150503_iid=2923751_0      ------------------------------------------------------------   0
m141031_iid=115118_0       ------------------------------------------------------------   0
m150430_iid=2722448_0      ------------------------------------------------------------   0
m150507_iid=3102647_0      ------------------------------------------------------------   0
m141108_iid=1811866_0      ------------------------------------------------------------   0
m150501_iid=2948495_0      ------------------------------------------------------------   0
m150504_iid=3238195_0      CACATGCATTCATCATAAT-TTTCTTCATAGTT-ATACCAATAATAATTGGAGGATTCGG   650
m150503_iid=3388511_0      ------------------------------------------------------------   0
m150505_iid=3777611_0      ------------------------------------------------------------   0
m150430_iid=2438833_0      CACATGCATTCATCATAAT-TTTCTTCATAGTT-ATACCAATAATAA-TGGAGGATTCGG   121
m141108_iid=1698969_0      CACATGCATTCATCATAAT-TTTCTTCATAGTT-ATACCAATAATAA-TGGAGGATTCGG   1243
m150430_iid=3059190_0      ------------------------------------------------------------   0
m141107_iid=1383067_0      ------------------------------------------------------------   0
m141101_iid=597008_0       ------------------------------------------------------------   0
m150506_iid=2596496_0      CACATGCATTCATCATAAT-TTTCTTCATAGTT-ATACCAATAATAATTGGAGGATTCGG   1589
m141102_iid=910051_0       CACATGCATTCATCATAAT-TTTCTTCATAGTT-ATACCAATAATAATTGGAGGATTCGG   1079
m150505_iid=3784017_0      ------------------------------------------------------------   0
m141101_iid=682151_0       ------------------------------------------------------------   0
m150501_iid=3748029_0      ------------------------------------------------------------   0
m150504_iid=2876272_0      CACATGCATTCATCATAAT-TTTCTTCATAGTT-ATACCAATAATAATTGGAGGATTCGG   1354
NC_042820.1                CACATGCATTCATCATAAT-TTTCTTCATAGTT-ATACCAATAATAATTGGAGGATTCGG   1596
m141102_iid=1228825_0      CACATGCATTCATCATAAT-TTTCTTCATAGTT-ATACCAATAATAATTGGAGGATTCGG   1426
m150504_iid=2876274_0      CACATGCATTCATCATAAT-TTTCTTCATAGTT-ATACCAATAATAATTGGAGGATTCGG   1426
m141030_iid=80036_0        CACATGCATTCATCATAAT-TTTCTTCATAGTT-ATA-CAATAATAATTGGAGGATTCGG   1191
m150506_iid=2596494_0      CACATGCATTCATCATAAT-TTTCTTCATAGTT-ATACCAATAATAATTGGAGGATTCGG   1591
m150503_iid=2526862_0      CACATGCATTCATCATAAT-TTTCTTCATAGTT-ATACCAATAATAATTGGAGGATTCGG   1275
m150506_iid=2567000_0      ------------------------------------------------------------   0
m150507_iid=3073271_0      CACATGCATTCATCATAAT-TTTCTTCATAGTT-ATACCAATAATAATTGGAGGATTCGG   528
m150504_iid=3156087_0      CACATGCATTCATCATAAT-TTTCTTCATAGTT-ATACCAATAATAATTGGAGGATTCGG   351
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m150505_iid=2498502_0      ------------------------------------------------------------   0
m141102_iid=754227_0       CACATGCATTCATCATAAT-TTTCTTCATAGTT-ATACCAATAATAATTGGAGGATTCGG   564
m150507_iid=3469514_0      CACATGCATTCATCATAAT-TTTCTTCATAGTT-ATACCAATAATAATTGGAGGATTCGG   1121
Rdo_MitoGenome             CACATGCATTCATCATAAT-TTTCTTCATAGTT-ATACCAATAATAATTGGAGGATTCGG   1596
m141101_iid=614933_0       CACATGCATTCATCATAAATTTTCTTCATAGTT-ATAC-AATAATAATTGGAGGATTCGG   149

                                                  cox1
                                                  ------------------------------------>

m141031_iid=347546_0       ------------------------------------------------------------   0
m150506_iid=3127414_0      ------------------------------------------------------------   0
m141102_iid=1245517_0      ------------------------------------------------------------   0
m141107_iid=1405727_0      ------------------------------------------------------------   0
m141102_iid=987614_0       ------------------------------------------------------------   0
m141108_iid=1701429_0      ------------------------------------------------------------   0
m141102_iid=987286_0       ------------------------------------------------------------   0
m150430_iid=3272125_0      ------------------------------------------------------------   0
m141102_iid=754225_0       AAATTGACTAGTTCCACTAATAATTGGAGCACCAGATA-TAGCATTCCCTCGAATAAACA   573
m141107_iid=1409934_0      AAATTGACTAGTTCCACTAATAATTGGAGCACCAGATA-TAGCATTCCCTCGAATAAACA   1102
m150503_iid=3416920_0      ------------------------------------------------------------   0
m141108_iid=1800121_0      ------------------------------------------------------------   0
m141031_iid=147540_0       ------------------------------------------------------------   0
m150507_iid=3674924_0      AATTGACTAAGTTCCACTAATAATTGGAGCACCAGATATAAGCATTCCCTCGAATAAACA   126
m150503_iid=2923751_0      ------------------------------------------------------------   0
m141031_iid=115118_0       ------------------------------------------------------------   0
m150430_iid=2722448_0      ------------------------------------------------------------   0
m150507_iid=3102647_0      ------------------------------------------------------------   0
m141108_iid=1811866_0      ------------------------------------------------------------   0
m150501_iid=2948495_0      ------------------------------------------------------------   0
m150504_iid=3238195_0      AAATTGACTAGTTCCACTAATAATTGGAGCACCAGATA-TAGCATTCCCTCGAATAAACA   709
m150503_iid=3388511_0      ------------------------------------------------------------   0
m150505_iid=3777611_0      ------------------------------------------------------------   0
m150430_iid=2438833_0      AAATTGACTAGTTCCACTAATAATTGGAGCACCAGATA-TAGCATTCCCTCGAATAAACA   180
m141108_iid=1698969_0      AAATTGACTAGTTCCACTAATAATTGGAGCACCAGATA-TAGCATTCCCTCGAATAAACA   1302
m150430_iid=3059190_0      ------------------------------------------------------------   0
m141107_iid=1383067_0      ------------------------------------------------------------   0
m141101_iid=597008_0       ------------------------------------------------------------   0
m150506_iid=2596496_0      AAATTGACTAGTTCCACTAATAATTGGAGCACCAGATA-TAGCATTCCCTCGAATAAACA   1648
m141102_iid=910051_0       AAATTGACTAGTTCCACTAATAATTGGAGCACCAGATA-TAGCATTCCCTCGAATAAACA   1138
m150505_iid=3784017_0      ------------------------------------------------------------   0
m141101_iid=682151_0       ------------------------------------------------------------   0
m150501_iid=3748029_0      ------------------------------------------------------------   0
m150504_iid=2876272_0      AAATTGACTAGTTCCACTAATAATTGGAGCACCAGATA-TAGCATTCCCTCGAATAAACA   1413
NC_042820.1                AAATTGACTAGTTCCACTAATAATTGGAGCACCAGATA-TAGCATTCCCTCGAATAAACA   1655
m141102_iid=1228825_0      AAATTGACTAGTTCCACTAATAATTGGAGCACCAGATA-TAGCATTCCCTCGAATAAACA   1485
m150504_iid=2876274_0      AAATTGACTAGTTCCACTAATAATTGGAGCACCAGATA-TAGCATTCCCTCGAATAAACA   1485
m141030_iid=80036_0        AAATTGACTAGTTCCACTAATAATTGGAGCACCAGATA-TAGCATTCCCTCGAATAAACA   1250
m150506_iid=2596494_0      AAATTGACTAGTTCCACTAATAATTGGAGCACCAGATA-TAGCATTCCCTCGAATAAACA   1650
m150503_iid=2526862_0      AAATTGACTAGTTCCACTAATAATTGGAGCACCAGATA-TAGCATTCCCTCGAATAAACA   1334
m150506_iid=2567000_0      ------------------------------------------------------------   0
m150507_iid=3073271_0      AAATTGACTAGTTCCACTAATAATTGGAGCACCAGATA-TAGCATTCCCTCGAATAAACA   587
m150504_iid=3156087_0      AAATTGACTAGTTCCACTAATAATTGGAGCACCAGATA-TAGCATTCCCTCGAATAAACA   410
m150505_iid=2498502_0      ------------------------------------------------------------   0
m141102_iid=754227_0       AAATTGACTAGTTCCACTAATAATTGGAGCACCAGATA-TAGCATTCCCTCGAATAAACA   623
m150507_iid=3469514_0      AAATTGACTAGTTCCACTAATAATTGGAGCACCAGATA-TAGCATTCCCTCGAATAAACA   1180
Rdo_MitoGenome             AAATTGACTAGTTCCACTAATAATTGGAGCACCAGATA-TAGCATTCCCTCGAATAAACA   1655
m141101_iid=614933_0       AAATTGACTAGTTCCACTAATAATTGGAGCACCAGATA-TAGCATTCCCTCGAATAAACA   208

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m141031_iid=347546_0       ------------------------------------------------------------   0
m150506_iid=3127414_0      ------------------------------------------------------------   0
m141102_iid=1245517_0      ------------------------------------------------------------   0
m141107_iid=1405727_0      ------------------------------------------------------------   0
m141102_iid=987614_0       ------------------------------------------------------------   0
m141108_iid=1701429_0      ------------------------------------------------------------   0
m141102_iid=987286_0       ------------------------------------------------------------   0
m150430_iid=3272125_0      ------------------------------------------------------------   0
m141102_iid=754225_0       ACATAAGATTTTGGCTTCTTCCACCTCCT-----TAACCCTTTTACTAACAAGAAGAATT   628
m141107_iid=1409934_0      ACATAAGATTTTGGCTTCTTCCACCCTCCTTA----ACCCTTTTACTAACAAGAAGAATT   1158
m150503_iid=3416920_0      ------------------------------------------------------------   0
m141108_iid=1800121_0      ------------------------------------------------------------   0
m141031_iid=147540_0       -----------TGGCTTCTTCCACCCTCCTT-----AACCCTTTACTAACAAGAAGAATT   44
m150507_iid=3674924_0      ACATAAGATTTTGGCTTCTTCCACCCTCCCTTAACCACCCTTTTACTAACAAGAAGAATG   186
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m150503_iid=2923751_0      ----------TGGCTTCTTCCACCCTCCTTA----AC-CTTTTACTAACAAGAAGAATT   44
m141031_iid=115118_0       ------------------------------------------------------------   0
m150430_iid=2722448_0      ------------------------------------------------------------   0
m150507_iid=3102647_0      ------------------------------------------------------------   0
m141108_iid=1811866_0      ------------------------------------------------------------   0
m150501_iid=2948495_0      ------------------------------------------------------------   0
m150504_iid=3238195_0      ACATAAGATTTTGGCTTCTTCCACCCTCCTTA----ACCCTTTTACTAACAAGAAGAATT   765
m150503_iid=3388511_0      ------------------------------------------------------------   0
m150505_iid=3777611_0      ------------------------------------------------------------   0
m150430_iid=2438833_0      ACATAAGATTTTGGCTT-TTCCACCCTCCTTA----ACCCTTTTACTAACAAGAAGAATT   235
m141108_iid=1698969_0      ACATAAGATTTTGGCTTCTTCCACCCTCCTTA----ACCCTTTTACTAACAAGAAGAATT   1358
m150430_iid=3059190_0      ------------------------------------------------------------   0
m141107_iid=1383067_0      ------------------------------------------------------------   0
m141101_iid=597008_0       ------------------------------------------------------------   0
m150506_iid=2596496_0      ACATAAGATTTTGGCTTCTTCCACCCTCCTTA----ACCCTTTTACTAACAAGAAGAATT   1704
m141102_iid=910051_0       ACATAAGATTTTGGCTTCTTCCACCCTCCTTA----ACCCTTTTACTAACAAGAAGAATT   1194
m150505_iid=3784017_0      ------------------------------------------------------------   0
m141101_iid=682151_0       ------------------------------------------------------------   0
m150501_iid=3748029_0      ------------------------------------------------------------   0
m150504_iid=2876272_0      ACATAAGATTTTGGCTTCTTCCACCCTCCTTA----ACCCTTTTACTAACAAGAAGAATT   1469
NC_042820.1                ACATAAGATTTTGGCTTCTTCCACCCTCCTTA----ACCCTTTTACTAACAAGAAGAATT   1711
m141102_iid=1228825_0      ACATAAGATTTTGGCTTCTTCCACCCTCCTTA----ACCCTTTTACTAACAAGAAGAATT   1541
m150504_iid=2876274_0      ACATAAGATTTTGGCTTCTTCCACCCTCCTTA----ACCCTTTTACTAACAAGAAGAATT   1541
m141030_iid=80036_0        ACATAAGATTTTGGCTTCTTCCACCCTCCTTA----ACCCTTTTACTAACAAGAAGAATT   1306
m150506_iid=2596494_0      ACATAAGATTTTGGCTTCTTCCACCCTCCTTA----ACCCTTTTACTAACAAGAAGAATT   1706
m150503_iid=2526862_0      ACATAAGATTTTGGCTTCTTCCACCCTCCTTA----ACCCTTTTACTAACAAGAAGAATT   1390
m150506_iid=2567000_0      ------------------------------------------------------------   0
m150507_iid=3073271_0      ACATAAGATTTTGGCTTCTTCCACCCTCCTTA----ACCCTTTTACTAACAAGAAGAATT   643
m150504_iid=3156087_0      ACATAAGATTTTGGCTTCTTCCACCCTCCTTA----ACCCTTTTACTAACAAGAAGAATT   466
m150505_iid=2498502_0      ------------------------------------------------------------   0
m141102_iid=754227_0       ACATAAGATTTTGGCTTCTTCCAC-CTCCTTA----ACCCTTTTACTAACAAGAAGAATT   678
m150507_iid=3469514_0      ACATAAGATTTTGGCTTCTTCCACCCTCCTTA----ACCCTTTTACTAACAAGAAGAATT   1236
Rdo_MitoGenome             ACATAAGATTTTGGCTTCTTCCACCCTCCTTA----ACCCTTTTACTAACAAGAAGAATT   1711
m141101_iid=614933_0       ACATAAGATTTTGGCTTCTTCCACCCTCCTTA----ACCCTTTTACTAACAAGAAGAATT   264
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m141031_iid=347546_0       ------------------------------------------------------------   0
m150506_iid=3127414_0      ------------------------------------------------------------   0
m141102_iid=1245517_0      ------------------------------------------------------------   0
m141107_iid=1405727_0      ------------------------------------------------------------   0
m141102_iid=987614_0       ------------------CAG--GATGAACAGTTTATTCACCTCTATCTA-ATAATACA   38
m141108_iid=1701429_0      ------------------------------------------------------------   0
m141102_iid=987286_0       ------------------------------------------------------------   0
m150430_iid=3272125_0      ------------------------------------------------------------   0
m141102_iid=754225_0       GTAGAGACAGGAGCAGGAACAG--GATGAACAGTTTATCCACCTCTATCTA-ATAATACA   685
m141107_iid=1409934_0      GTAGAGACAGGAGCAGGAACAG--GATGAACAGTTTATCCACCTCTATCTA-ATAATACA   1215
m150503_iid=3416920_0      ------------------------------------------------------------   0
m141108_iid=1800121_0      ------------------------------------------------------------   0
m141031_iid=147540_0       GTAGAGACAGGAGCA-GAACAG--GATGAACAGTTTATCCACCTCTATCTATATAATACA   101
m150507_iid=3674924_0      TTAGAGACAGGAGCAGGAACAGAGAATGAACAGTTTATCCACCTCTATCTA-ATAATACA   245
m150503_iid=2923751_0      GTAGAGACAGGAGCAGGAACAG--GATGAACAGTTTATCCACCTCTATCTA-ATAATACA   101
m141031_iid=115118_0       ------------------------------------------------------------   0
m150430_iid=2722448_0      ------------------------------------------------------------   0
m150507_iid=3102647_0      ------------------------------------------------------------   0
m141108_iid=1811866_0      ------------------------------------------------------------   0
m150501_iid=2948495_0      ------------------------------------------------------------   0
m150504_iid=3238195_0      GTAGAGACAGGAGCAGGAACAG--GATGAACAGTTTATCCACCTCTATCTA-ATAATACA   822
m150503_iid=3388511_0      ------------------------------------------------------------   0
m150505_iid=3777611_0      ------------------------------------------------------------   0
m150430_iid=2438833_0      GTAGAGACAGGAGCAGGAACAG--GATGAACAGTTTATCCACCTCTATCTA-ATAATACA   292
m141108_iid=1698969_0      GTAGAGACAGGAG------CAG--GATGAACAGTTTATCCACCTCTATCTA-ATAATACA   1409
m150430_iid=3059190_0      ------------------------------------------------------------   0
m141107_iid=1383067_0      ------------------------------------------------------------   0
m141101_iid=597008_0       ------------------------------------------------------------   0
m150506_iid=2596496_0      GTAGAGACAGGAGCAGGAACAG--GATGAACAGTTTATCCACCTCTATCTA-ATAATACA   1761
m141102_iid=910051_0       GTAGAGACAGGAGCAGGAACAG--GATGAACAGTTTATCCACCTCTATCTA-ATAATACA   1251
m150505_iid=3784017_0      -----GACAGGAGCAGGAACAG--GATGAACAGTTTATCCACCTCTATCTA-ATAATACA   52
m141101_iid=682151_0       ------------------------------------------------------------   0
m150501_iid=3748029_0      ------------------------------------------------------------   0
m150504_iid=2876272_0      GTAGAGACAGGAGCAGGAACAG--GATGAACAGTTTATCCACCTCTATCTA-ATAATACA   1526
NC_042820.1                GTAGAGACAGGAGCAGGAACAG--GATGAACAGTTTATCCACCTCTATCTA-ATAATACA   1768
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m141102_iid=1228825_0      GTAGAGACAGGAGCAGGAACAG--GATGAACAGTTTATCCACCTCTATCTA-ATAATACA   1598
m150504_iid=2876274_0      GTAGAGACAGGAGCAGGAACAG--GATGAACAGTTTATCCACCTCTATCTA-ATAATACA   1598
m141030_iid=80036_0        GTAGAGACAGGAGCAGGAACAG--GATGAACAGTTTATCCACCTCTATCTA-ATAATACA   1363
m150506_iid=2596494_0      GTAGAGACAGGAGCAGGAACAG--GATGAACAGTTTATCCACCTCTATCTA-ATAATACA   1763
m150503_iid=2526862_0      GTAGAGACAGGAGCAGGAACAG--GATGAACAGTTTATCCACCTCTATCTA-ATAATACA   1447
m150506_iid=2567000_0      ------------------------------------------------------------   0
m150507_iid=3073271_0      GTAGAGACAGGAGCAGGAACAG--GATGAACAGTTTATCCACCTCTATCTA-ATAATACA   700
m150504_iid=3156087_0      GTAGAGACAGGAGCAGGAACAG--GATGAACAGTTTATCCACCTCTATCTA-ATAATACA   523
m150505_iid=2498502_0      ------------------------------------------------------------   0
m141102_iid=754227_0       GTAGAGACAGGAGCAGGAACAG--GATGAACAGTTTATCCACCTCTATCTA-ATAATACA   735
m150507_iid=3469514_0      GTAGAGACAGGAGCAGGAACAG--GATGAACAGTTTATCCACCTCTATCTA-ATAATACA   1293
Rdo_MitoGenome             GTAGAGACAGGAGCAGGAACAG--GATGAACAGTTTATCCACCTCTATCTA-ATAATACA   1768
m141101_iid=614933_0       GTAGAGACAGGAGCAGGAACAG--GATGAACAGTTTATCCACCTCTATCTA-ATAATACA   321

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m141031_iid=347546_0       ------------------------------------------------------------   0
m150506_iid=3127414_0      ------------------------------------------------------------   0
m141102_iid=1245517_0      ------------------------------------------------------------   0
m141107_iid=1405727_0      ------------------------------------------------------------   0
m141102_iid=987614_0       GCCCATAGAGGAGCTTCTGTTGATTTAGCAATTTTTAGATTACATTTAGCAGGAATTTCA   98
m141108_iid=1701429_0      ------------------------------------------------------------   0
m141102_iid=987286_0       ------------------------------------------------------------   0
m150430_iid=3272125_0      ------------------------------------------------------------   0
m141102_iid=754225_0       GCCCATAGAGGAGCTTCTGTTGATTTAGCAATTTTTAGATTACATTTAGCAGGAATTTCA   745
m141107_iid=1409934_0      GCCCATAGAGGAGCTTCTGTTGATTTAGCAATTTTTAGATTACATTTAGCAGGAATTTCA   1275
m150503_iid=3416920_0      ----------------------------------------TACATTTAGCAGGAATTTCA   20
m141108_iid=1800121_0      ------------------------------------------------------------   0
m141031_iid=147540_0       GCCCATAGAGGAGCTTCTGTTGATTTAGCAATTTTTAGATTACATTTAGCAGGAATTTCA   161
m150507_iid=3674924_0      GCCCATAGAGGAGCTTCTGTTGATTTAGCAATTTTTAGATTACATTTAGCAGGAATTTCA   305
m150503_iid=2923751_0      GCCCATAGAGGAGCTTCTGTTGATTTAGCAATTTTTAGATTACATTTAGCAGGAATTTCA   161
m141031_iid=115118_0       ------------------------------------------------------------   0
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m150507_iid=3102647_0      ------------------------------------------------------------   0
m141108_iid=1811866_0      ------------------------------------------------------------   0
m150501_iid=2948495_0      ------------------------------------------------------------   0
m150504_iid=3238195_0      GCCCATAGAGGAGCTTCTGTTGATTTAGCAATTTTTAGATTACATTTAGCAGGAATTTCA   882
m150503_iid=3388511_0      ------------------------------------------------------------   0
m150505_iid=3777611_0      ------------------------------------------------------------   0
m150430_iid=2438833_0      G-CCATAGAGGAGCTTCTGTTGATTTAGCAATTTTTAGATTACATTTAGCAGGAATTTCA   351
m141108_iid=1698969_0      GCCCATAGAGGAGCTTCTGTTGATTTAGCAATTTTTAGATTACATTTAGCAGGAATTTCA   1469
m150430_iid=3059190_0      ------------------------------------------------------------   0
m141107_iid=1383067_0      ------------------------------------------------------------   0
m141101_iid=597008_0       ------------------------------------------------------------   0
m150506_iid=2596496_0      GCCCATAGAGGAGCTTCTGTTGATTTAGCAATTTTTAGATTACATTTAGCAGGAATTTCA   1821
m141102_iid=910051_0       GCCCATAGAGGAGCTTCTGTTGATTTAGCAATTTTTAGATTACATTTAGCAGGAATTTCA   1311
m150505_iid=3784017_0      GCCCATAGAGGAGCTTCTGTTGATTTAGC-ATTTTTAGATTACATTTAGCAGGAATTTCA   111
m141101_iid=682151_0       ------------------------------------------------------------   0
m150501_iid=3748029_0      ------------------------------------------------------------   0
m150504_iid=2876272_0      GCCCATAGAGGAGCTTCTGTTGATTTAGCAATTTTTAGATTACATTTAGCAGGAATTTCA   1586
NC_042820.1                GCCCATAGAGGAGCTTCTGTTGATTTAGCAATTTTTAGATTACATTTAGCAGGAATTTCA   1828
m141102_iid=1228825_0      GCCCATAGAGGAGCTTCTGTTGATTTAGCAATTTTTAGATTACATTTAGCAGGAATTTCA   1658
m150504_iid=2876274_0      GCCCATAGAGGAGCTTCTGTTGATTTAGCAATTTTTAGATTACATTTAGCAGGAATTTCA   1658
m141030_iid=80036_0        GCCCATAGAGGAGCTTCTGTTGATTTAGCAATTTTTAGATTACATTTAGCAGGAATTTCA   1423
m150506_iid=2596494_0      GCCCATAGAGGAGCTTCTGTTGATTTAGCAATTTTTAGATTACATTTAGCAGGAATTTCA   1823
m150503_iid=2526862_0      GCCCATAGAGGAGCTTCTGTTGATTTAGCAATTTTTAGATTACATTTAGCAGGAATTTCA   1507
m150506_iid=2567000_0      ------------------------------------------------------------   0
m150507_iid=3073271_0      GCCCATAGAGGAGCTTCTGTTGATTTAGCAATTTTTAGATTACATTTAGCAGGAATTTCA   760
m150504_iid=3156087_0      GCCCATAGAGGAGCTTCTGTTGATTTAGCAATTTTTAGATTACATTTAGCAGGAATTTCA   583
m150505_iid=2498502_0      ------------------------------------------------------------   0
m141102_iid=754227_0       GCCCATAGAGGAGCTTCTGTTGATTTAGCAATTTTTAGATTACATTTAGCAGGAATTTCA   795
m150507_iid=3469514_0      GCCCATAGAGGAGCTTCTGTTGATTTAGCAATTTTTAGATTACATTTAGCAGGAATTTCA   1353
Rdo_MitoGenome             GCCCATAGAGGAGCTTCTGTTGATTTAGCAATTTTTAGATTACATTTAGCAGGAATTTCA   1828
m141101_iid=614933_0       GCCCATAGAGG-ACTTCTGTTGATTTAGCAATTTTTAGATTACATTTAGCAGGAATTTCA   380


m141031_iid=347546_0       ------------------------------------------------------------   0
m150506_iid=3127414_0      ------------------------------------------------------------   0
m141102_iid=1245517_0      ----------------------------CTAC-AATCATTAATATACGACCAAAAGGAAT   31
m141107_iid=1405727_0      ------------------------------------------------------------   0
m141102_iid=987614_0       TCAATTCTTGGAGCAGTAAACTTTATTACTAC-AATCATTAATATACGACCAAAAGGAAT   157
m141108_iid=1701429_0      ------------------------------------------------------------   0
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m141102_iid=987286_0      ------------------------------------------------------------   0
m150430_iid=3272125_0     ------------------------------------------------------------   0
m141102_iid=754225_0      TCAATTCTTGGAGCAGTAAACTTTATTACTACA-ATCATTAATATACGACCAAAAGGAAT   804
m141107_iid=1409934_0     TCAATTCTTGGAGCAGTAAACTTTATTACTACA-ATCATTAATATACGACCAAAAGGAAT   1334
m150503_iid=3416920_0     TCAATTCTTGGAGCAGTAA-CTTTATTACTAC-AATCATTAATATACGACCAAAAGGAAT   78
m141108_iid=1800121_0     ------------------------------------------------------------   0
m141031_iid=147540_0      TCAATTCTTGGAGCAGTAAACTTTATTACTAC-AATCATTAATATACGACCAAAAGGAAT   220
m150507_iid=3674924_0     TCAATTCTTGGAGCAGTAAACTTTATTACTACA-ATCATTAATATACGACCAAAAGGAAT   364
m150503_iid=2923751_0     TCAATTCTTGGAGCAGTAAACTTTATTACTACA-ATCATTAATATACGAC-AAAAGGAAT   219
m141031_iid=115118_0      ------------------------------------------------------------   0
m150430_iid=2722448_0     ------------------------------------------------------------   0
m150507_iid=3102647_0     ------------------------------------------------------------   0
m141108_iid=1811866_0     ------------------------------------------------------------   0
m150501_iid=2948495_0     ------------------------------------------------------------   0
m150504_iid=3238195_0     TCAATTCTTGGAGCAGTAAACTTTATTACTACA-ATCATTAATATACGACCAAAAGGAAT   941
m150503_iid=3388511_0     ------------------------------------------------------------   0
m150505_iid=3777611_0     -----TCTTGGAGCAGTAAACTTTATTACTACAAATCATTAATATACGACCAAAAGGAAT   55
m150430_iid=2438833_0     TCAATTCTTGGAGCAGTAAACTTTATTACTAC-AATCATTAATATACGACCAAAAGGAAT   410
m141108_iid=1698969_0     TCAATTCTTGGAGCAGTAAACTTTATTACTAC-AATCATTAATATACGACCAAAAGGAAT   1528
m150430_iid=3059190_0     ------------------------------------------------------------   0
m141107_iid=1383067_0     ------------------------------------------------------------   0
m141101_iid=597008_0      ------------------------------------------------------------   0
m150506_iid=2596496_0     TCAATTCTTGGAGCAGTAAACTTTATTACTAC-AATCATTAATATACGACCAAAAGGAAT   1880
m141102_iid=910051_0      TCAATTCTTGGAGCAGTAAACTTTATTACTAC-AATCATTAATATACGACCAAAAGGAAT   1370
m150505_iid=3784017_0     TCAATTCTTGGAGCAGTAAACTTTATTACTAC-AATCATTAATATACGACCAAAAGGAAT   170
m141101_iid=682151_0      ------------------------------------------------------------   0
m150501_iid=3748029_0     ------------------------------------------------------------   0
m150504_iid=2876272_0     TCAATTCTTGGAGCAGTAAACTTTATTACTAC-AATCATTAATATACGACCAAAAGGAAT   1645
NC_042820.1               TCAATTCTTGGAGCAGTAAACTTTATTACTAC-AATCATTAATATACGACCAAAAGGAAT   1887
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m150504_iid=2876274_0     TCAATTCTTGGAGCAGTAAACTTTATTACTAC-AATCATTAATATACGACCAAAAGGAAT   1717
m141030_iid=80036_0       TCAATTCTTGGAGCAGTAAACTTTATTACTAC-AATCATTAATATACGACCAAAAGGAAT   1482
m150506_iid=2596494_0     TCAATTCTTGGAGCAGTAAACTTTATTACTAC-AATCATTAATATACGACCAAAAGGAAT   1882
m150503_iid=2526862_0     TCAATTCTTGGAGCAGTAAACTTTATTACTAC-AATCATTAATATACGACCAAAAGGAAT   1566
m150506_iid=2567000_0     ------------------------------------------------------------   0
m150507_iid=3073271_0     TCAATTCTTGGAGCAGTAAACTTTATTACTAC-AATCATTAATATACGACCAAAAGGAAT   819
m150504_iid=3156087_0     TCAATTCTTGGAGCAGTAAACTTTATTACTAC-AATCATTAATATACGACCAAAAGGAAT   642
m150505_iid=2498502_0     ------------------------------------------------------------   0
m141102_iid=754227_0      TCAATTCTTGGAGCAGTAAACTTTATTACTAC-AATCATTAATATACGACCAAAAGGAAT   854
m150507_iid=3469514_0     TCAATTCTTGGAGCAGTAAACTTTATTACTAC-AATCATTAATATACGACCAAAAGGAAT   1412
Rdo_MitoGenome            TCAATTCTTGGAGCAGTAAACTTTATTACTAC-AATCATTAATATACGACCAAAAGGAAT   1887
m141101_iid=614933_0      TCAATTCTTGGAGCAGTAAACTTTATTACTAC-AATCATTAATATACGACCAAAAGGAAT   439

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m141031_iid=347546_0      ------------------------------------------------------------   0
m150506_iid=3127414_0     ------------------------------------------------------------   0
m141102_iid=1245517_0     AACA-CAGAACGAATCCCCCTATTTGTATGATCAGTAGGGATCACAGCTTTGCTTTTAT-   89
m141107_iid=1405727_0     ------------------------------------------------------------   0
m141102_iid=987614_0      AACACCAGAACGAAT-CCCCTATTTGTATGATCAGTAGGGATCACAGCTTTGCTTTTAT-   215
m141108_iid=1701429_0     ------------------------------------------------------------   0
m141102_iid=987286_0      ------------------------------------------------------------   0
m150430_iid=3272125_0     ------------------------------------------------------------   0
m141102_iid=754225_0      AACACCAGAACGAATCCCCCTATTTGTATGATCAGTAGGGATCACAGCTTTGCTTTTAT-   863
m141107_iid=1409934_0     AACACCAGAACGAATCCCCCTATTTGTATGATCAGTAGGGATCACAGCTTTGCTTTTAT-   1393
m150503_iid=3416920_0     AACACCAGAACGAATCC--CTATTTGTATGATCAGTAGG-ATCACAGCTTTGCTTTTAT-   134
m141108_iid=1800121_0     ------------------------------------------------------------   0
m141031_iid=147540_0      AACACCAGAACGAATCCCCCTATTTGTATGATCAGTAGGGATCACAGCTTTGCTTTTAT-   279
m150507_iid=3674924_0     AAACCAAGAACGAATCC-CCTATTTGTATGATCAGTAGGGATCACAGCTTTGCTTTTATT   423
m150503_iid=2923751_0     AACACCAGAACGAATCCCCCTATTTGTATGATCAGTAGGGATCACAGCTTTGCTTTA-T-   277
m141031_iid=115118_0      ------------------------------------------------------------   0
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m150507_iid=3102647_0     ------------------------------------------------------------   0
m141108_iid=1811866_0     ------------------------------------------------------------   0
m150501_iid=2948495_0     ------------------------------------------------------------   0
m150504_iid=3238195_0     AACACCAGAACGAATCCCCCTATTTGTATGATCAGTAGGGATCACAGCTTTGCTTTTAT-   1000
m150503_iid=3388511_0     ------------------------------------------------------------   0
m150505_iid=3777611_0     AACACCAGAACGAAT-CCCCTATTTGTATGATCAGTAGGGATCACAGCTTTGCTTTTAT-   113
m150430_iid=2438833_0     AACACCAGAACGAATCCCCCTATTTGTATGATCAGTAGGGATCACAGCTTTGC-TTTAT-   468
m141108_iid=1698969_0     AACACCAGAACGAATCCCCCTATTTGTATGATCAGTAGGGATCACAGCTTTGCTTTTAT-   1587
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m141107_iid=1383067_0     ------------------------------------------------------------   0
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m141102_iid=910051_0      AACACCAGAACGAATCCCCCTATTTGTATGATCAGTAGGGATCACAGCTTTGCTTTTAT-   1429
m150505_iid=3784017_0     AACACCAGAACGAATCCCCCTATTTGTATGATCAGTAGGGATCACAGCTTTGCTTTTAT-   229
m141101_iid=682151_0      ------------------------------------------------------------   0
m150501_iid=3748029_0     ------------------------------------------------------------   0
m150504_iid=2876272_0     AACACCAGAACGAAT-CCCCTATTTGTATGATCAGTAGGGATCACAGCTTTGCTTTTAT-   1703
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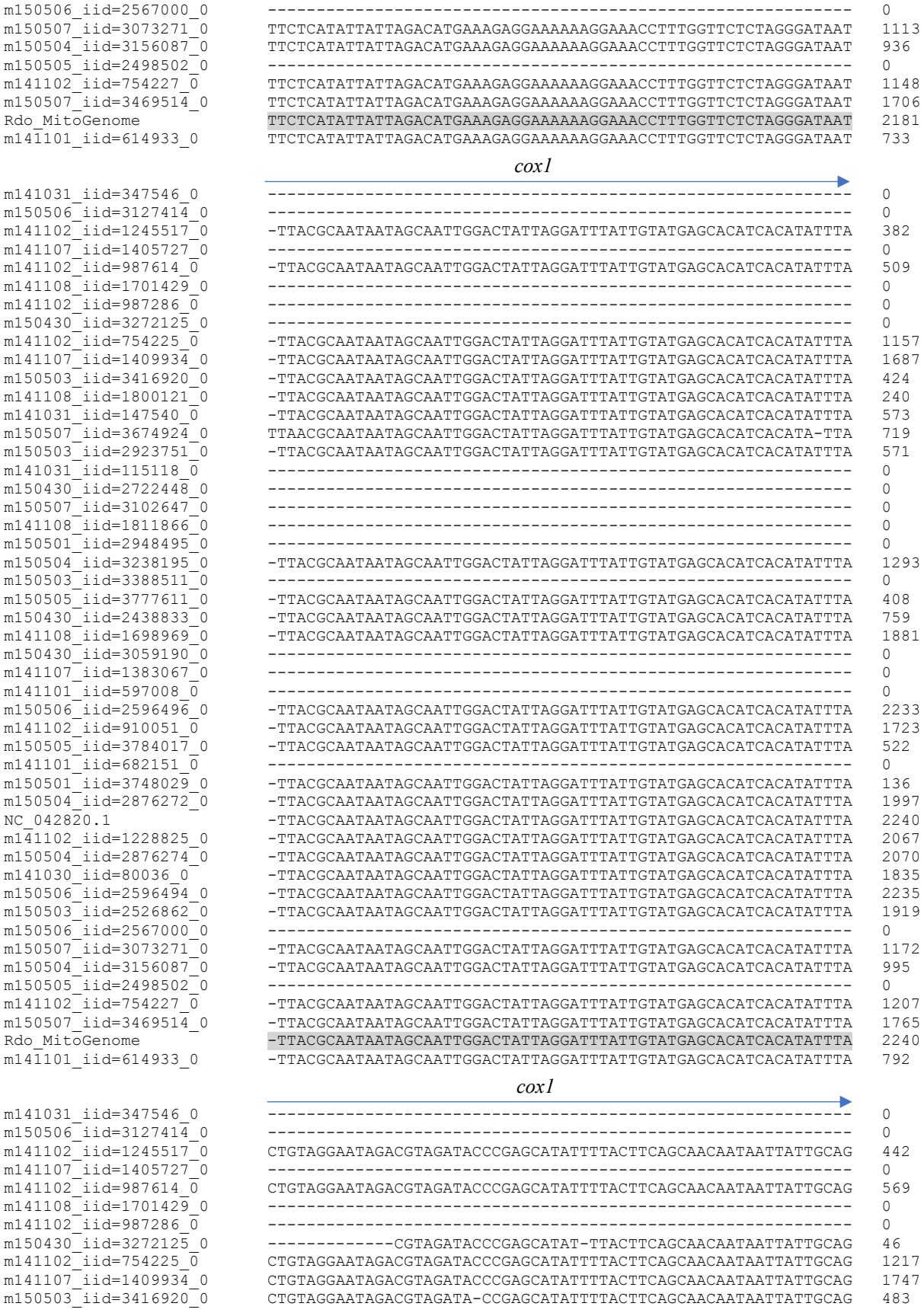
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cox1

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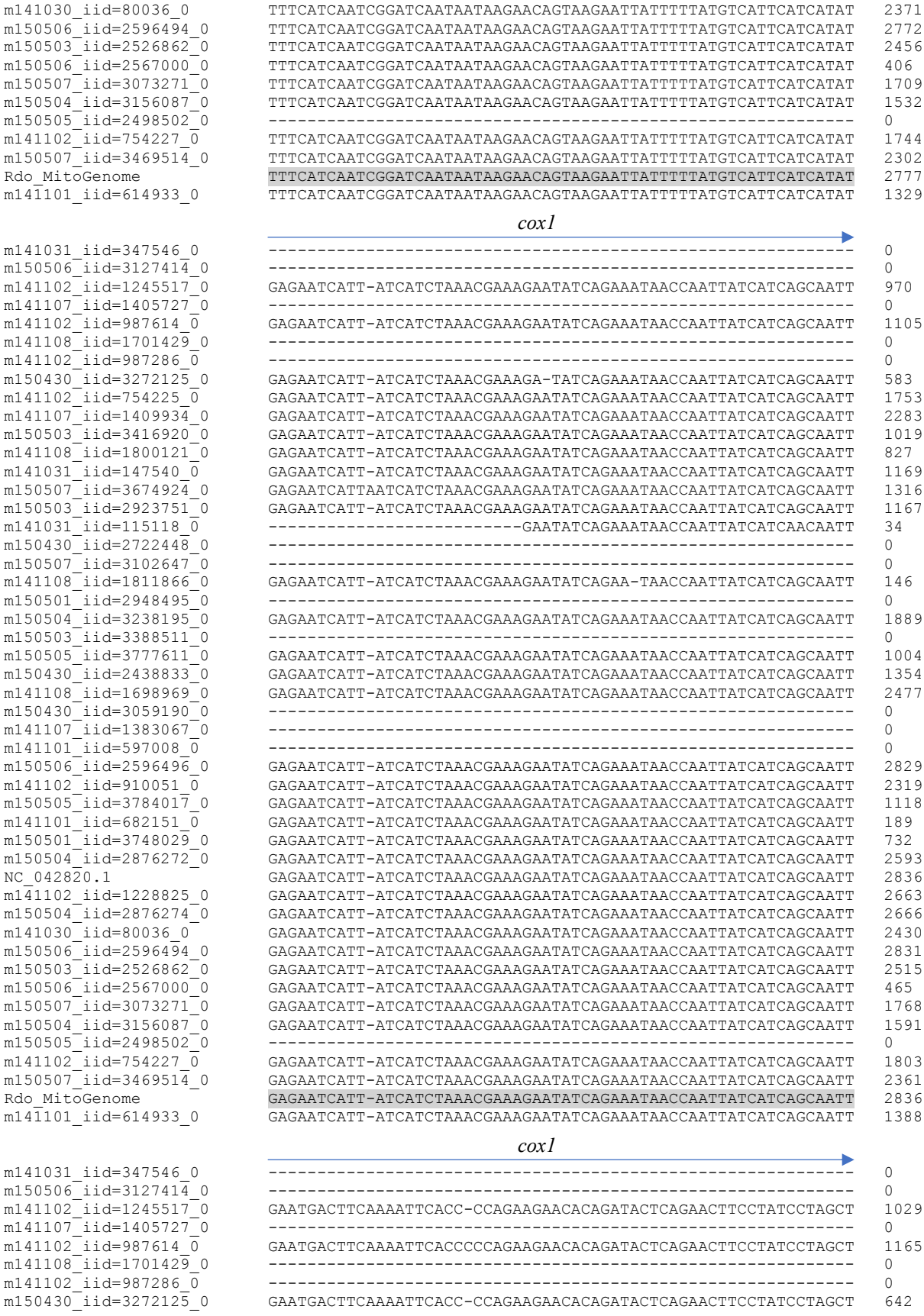
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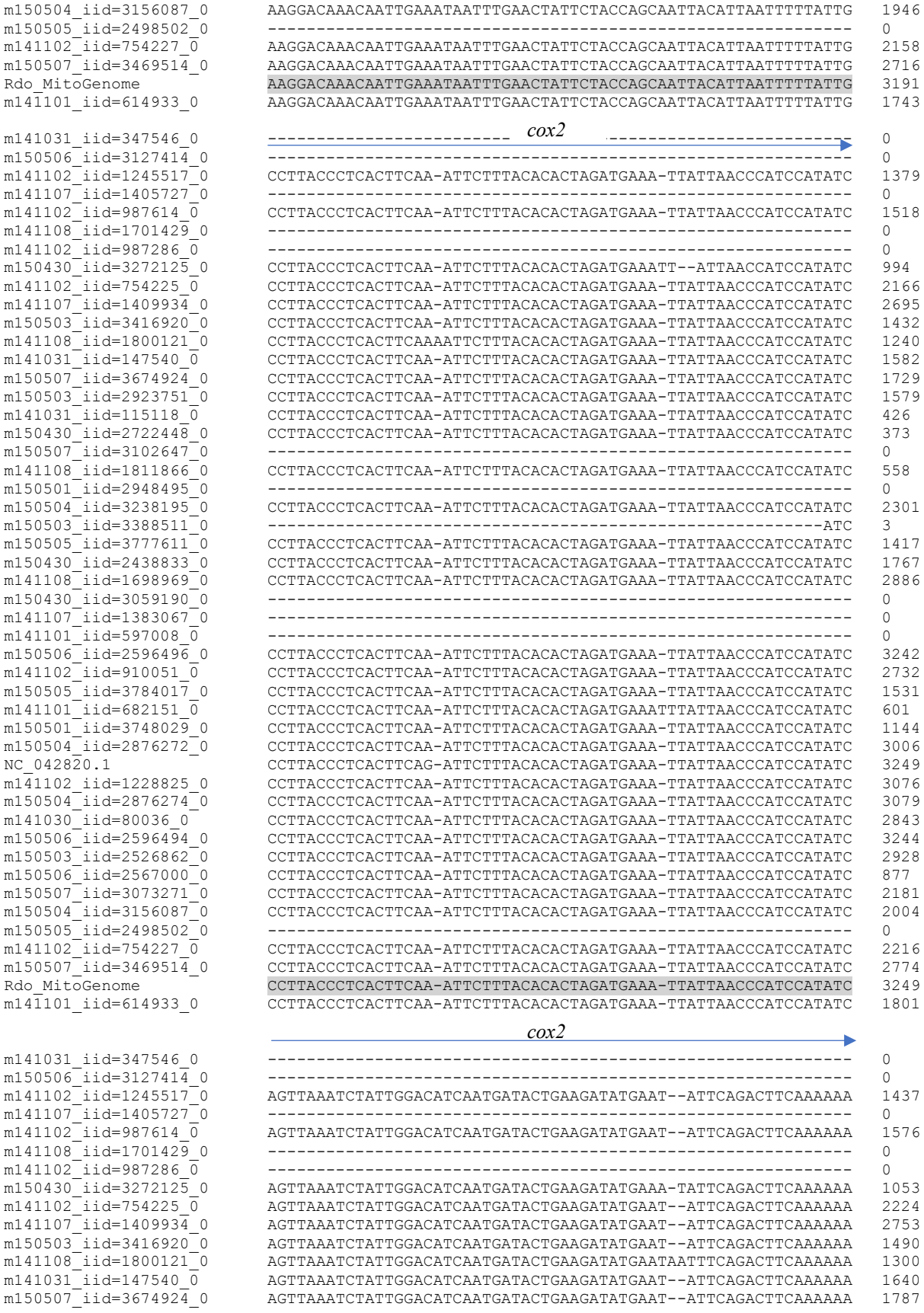
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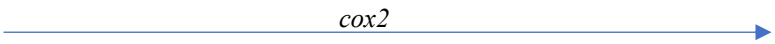
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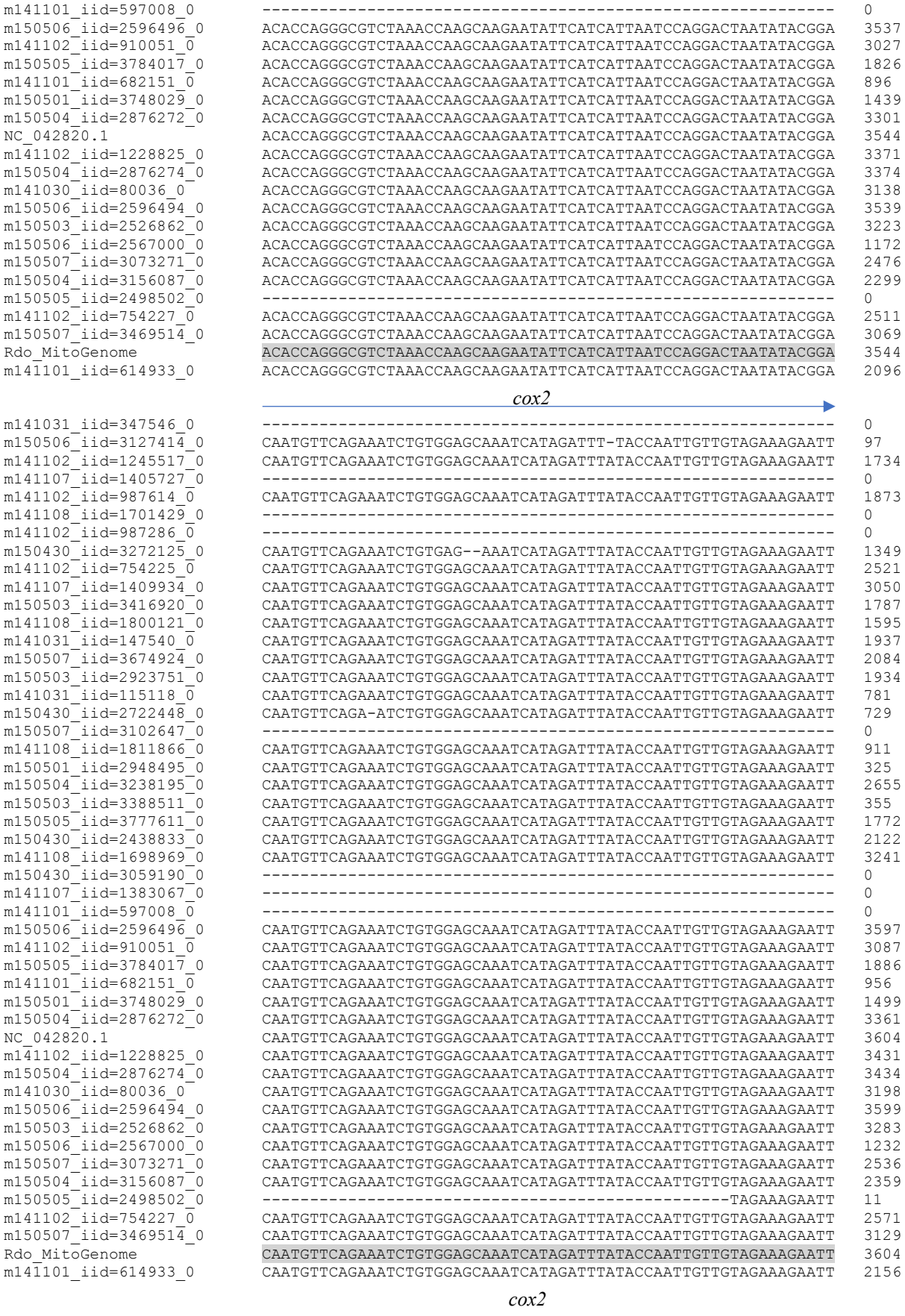
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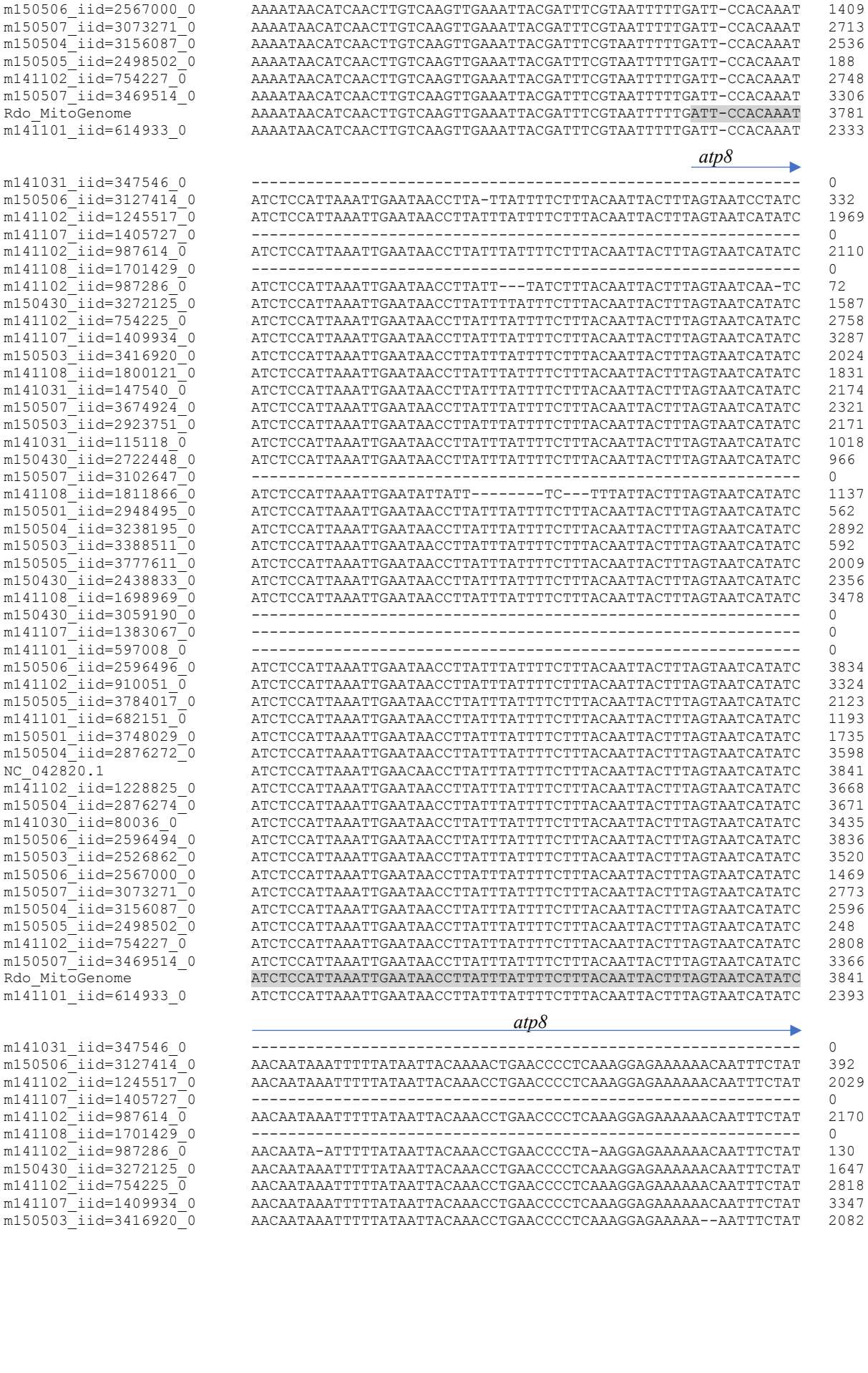
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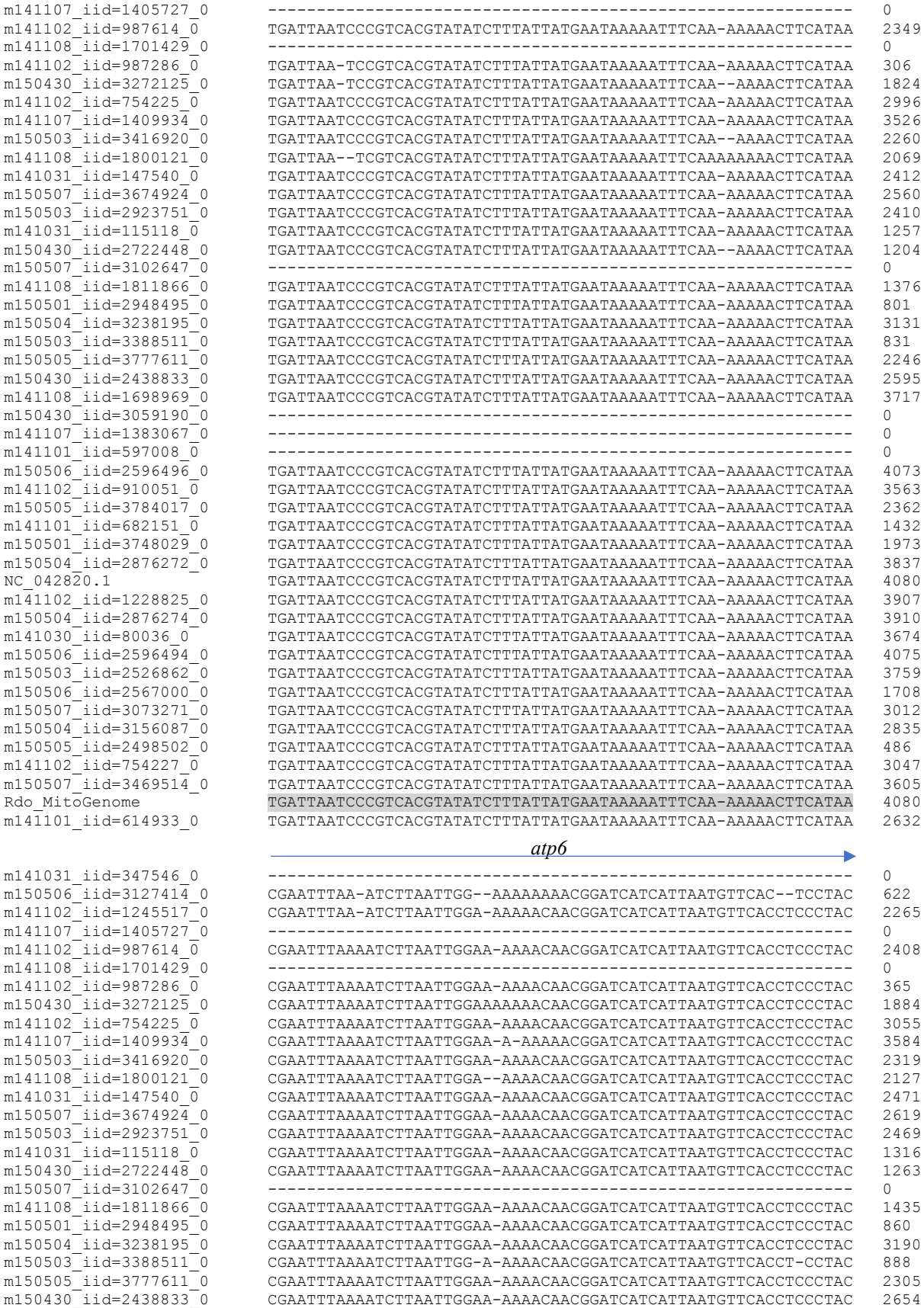

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atp8
atp6
atp6


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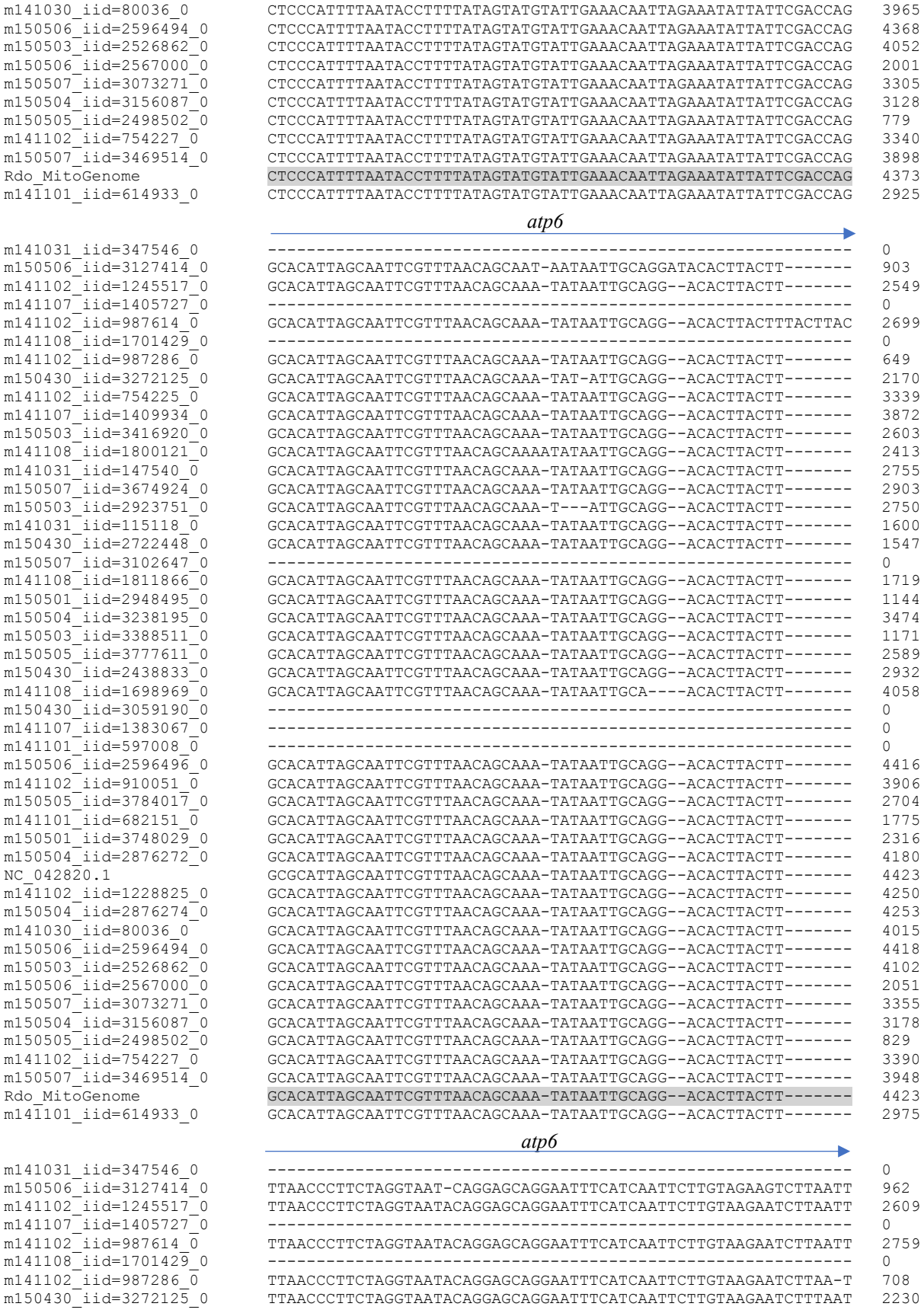
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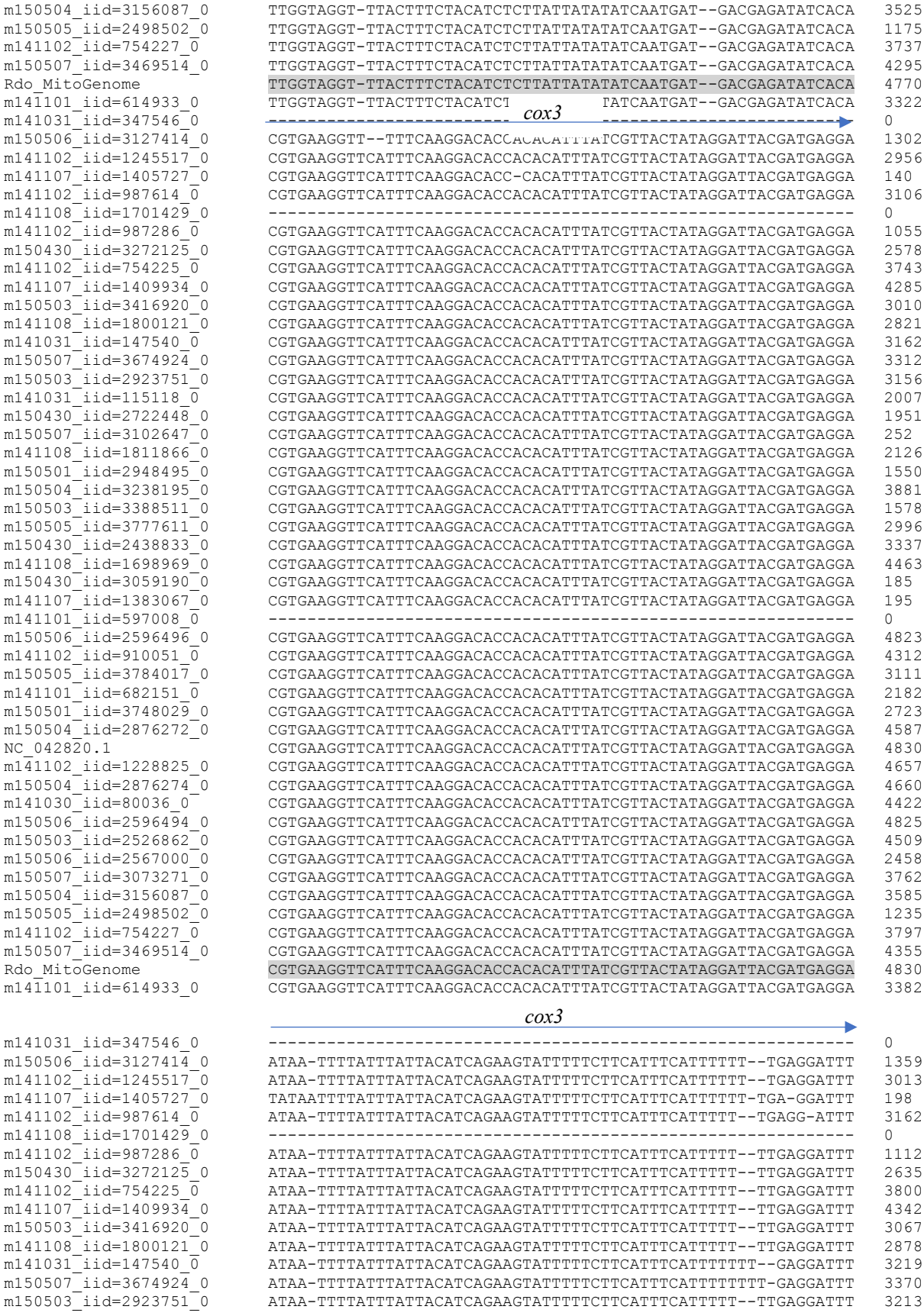
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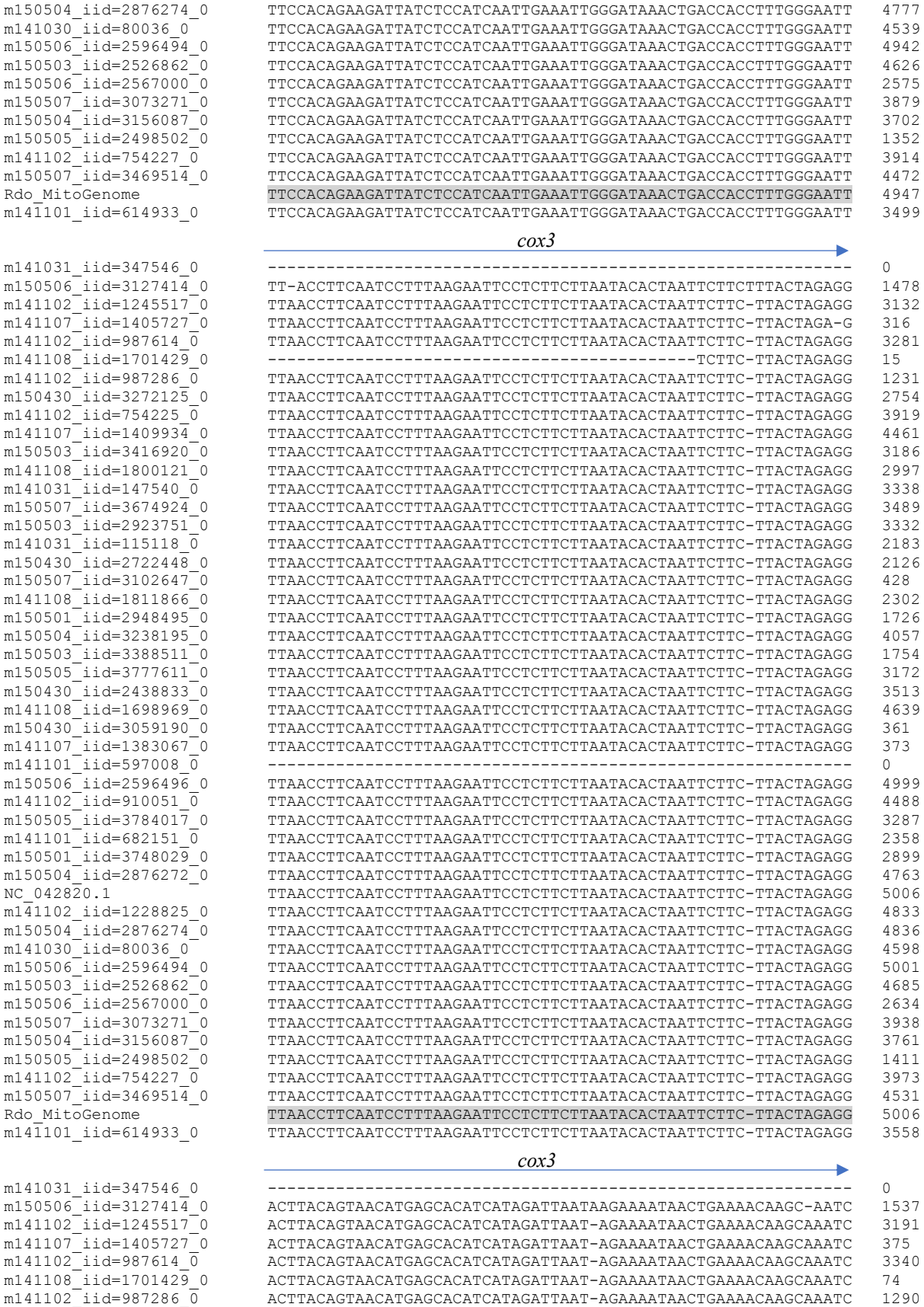
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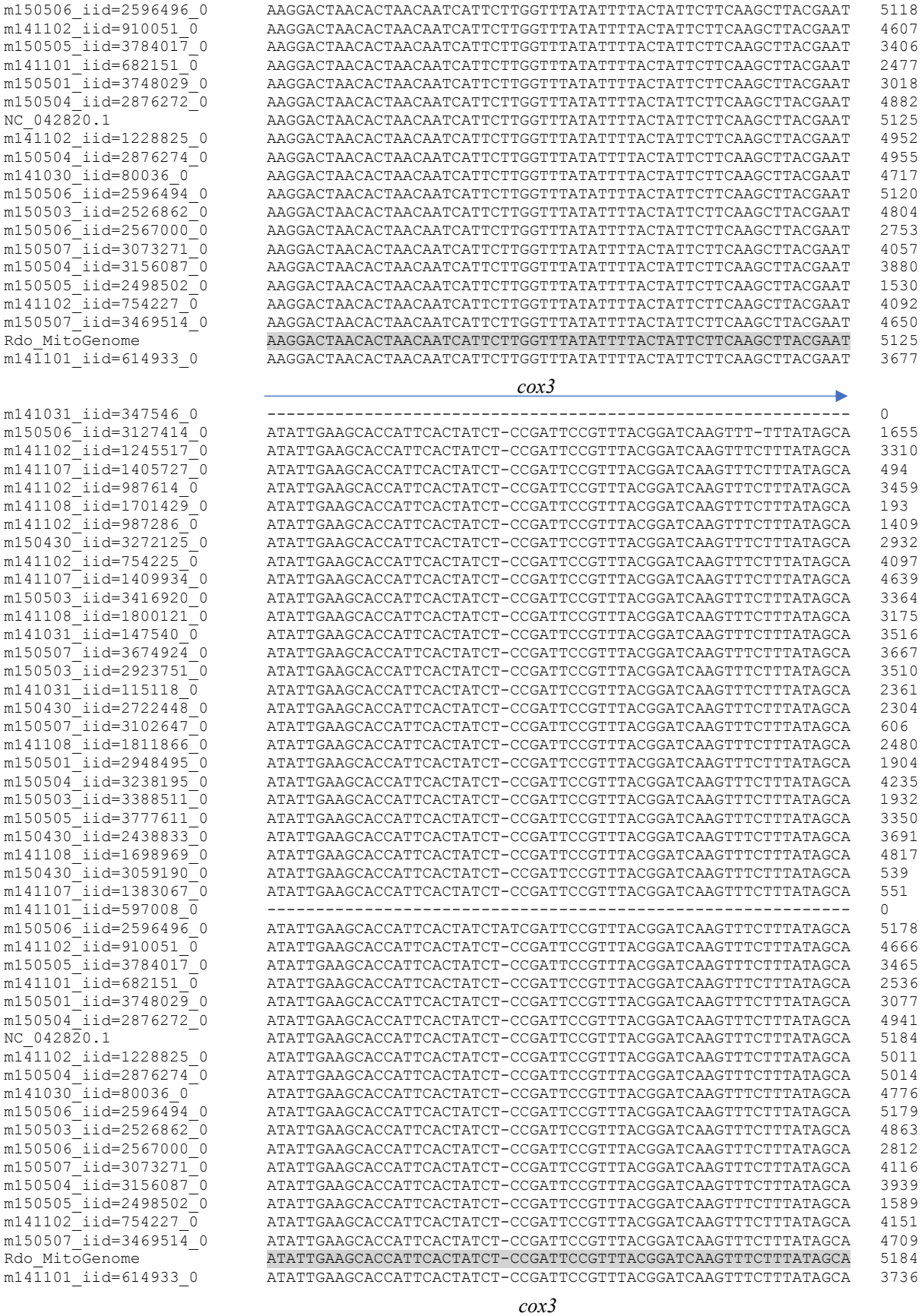
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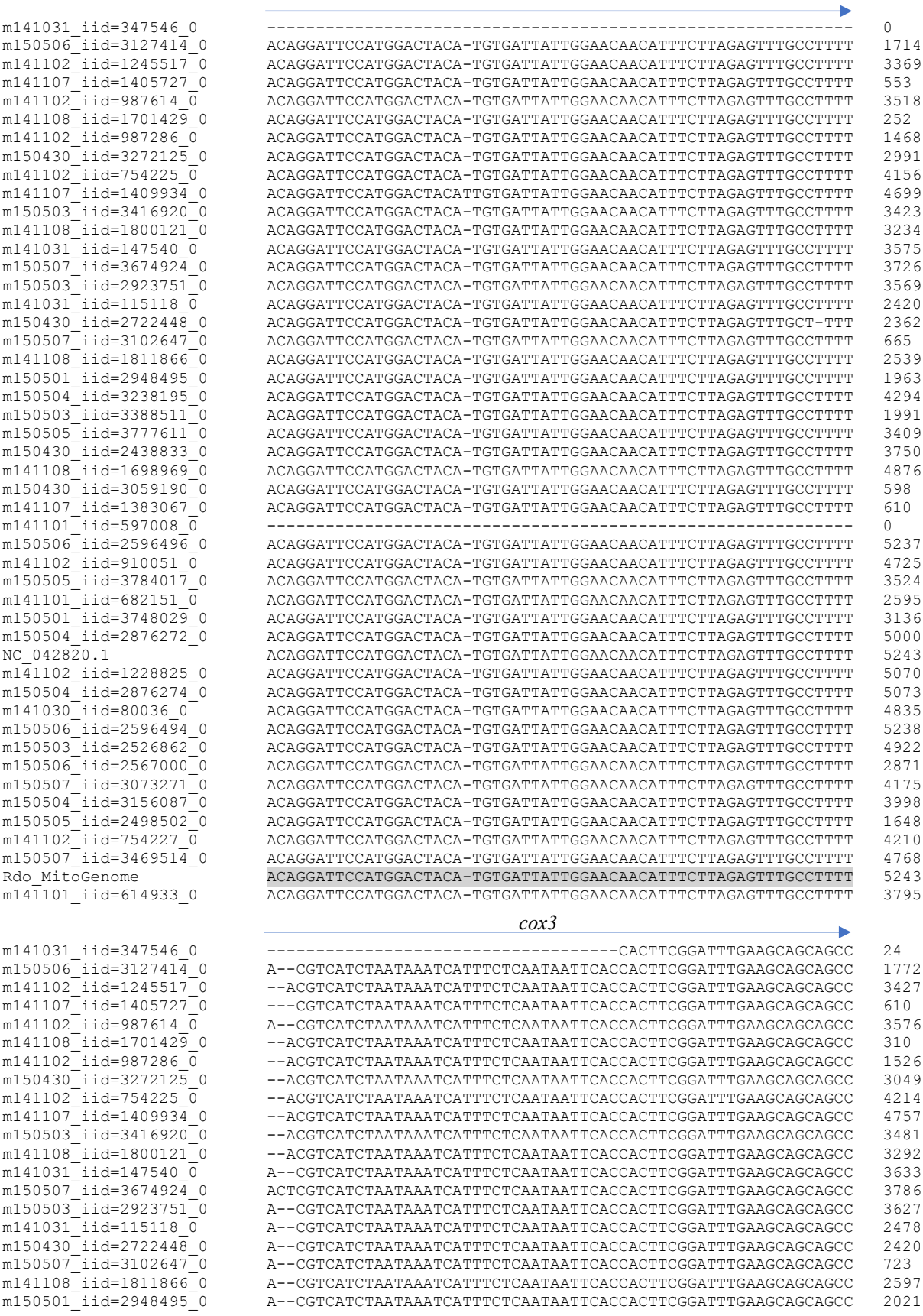

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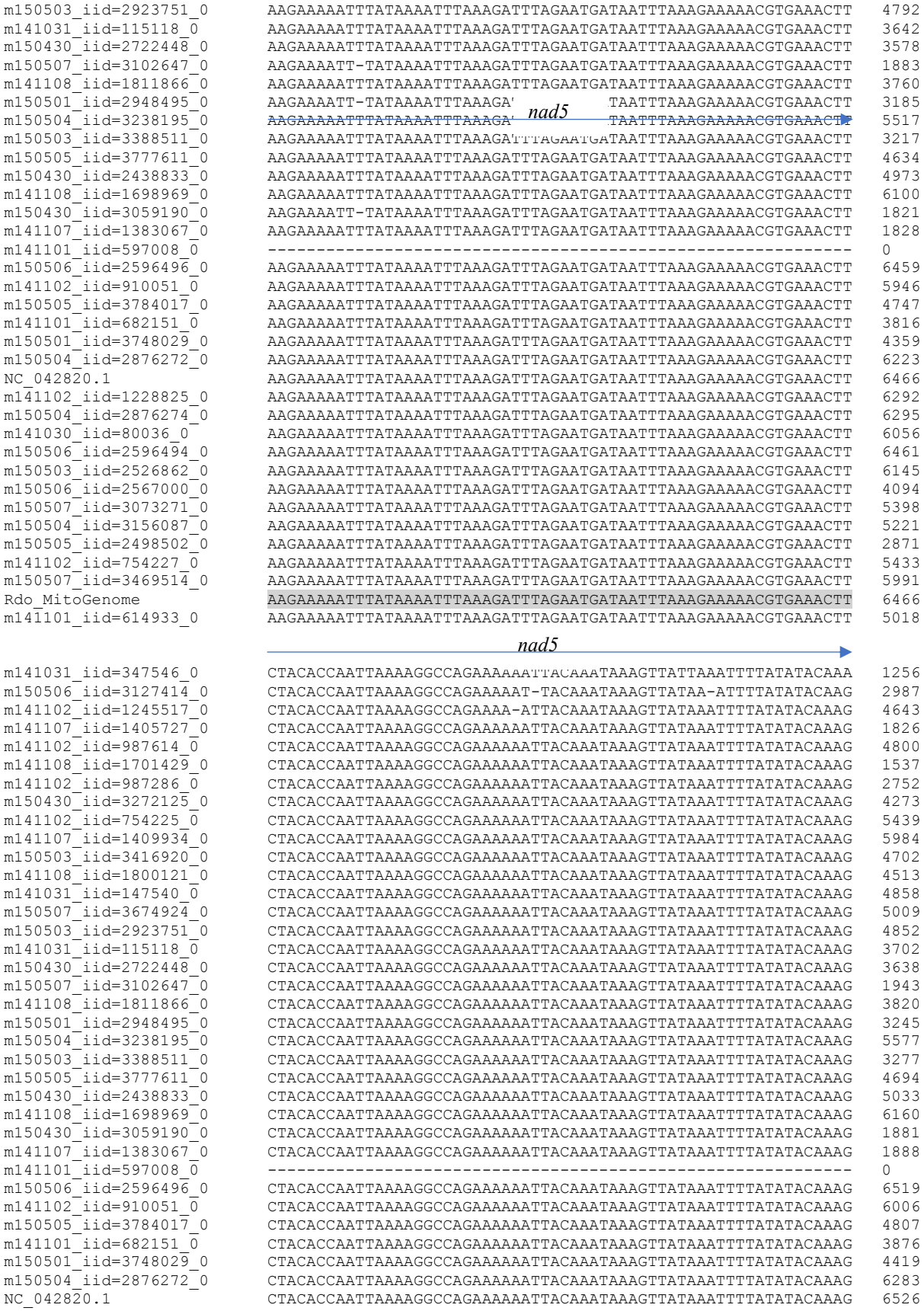
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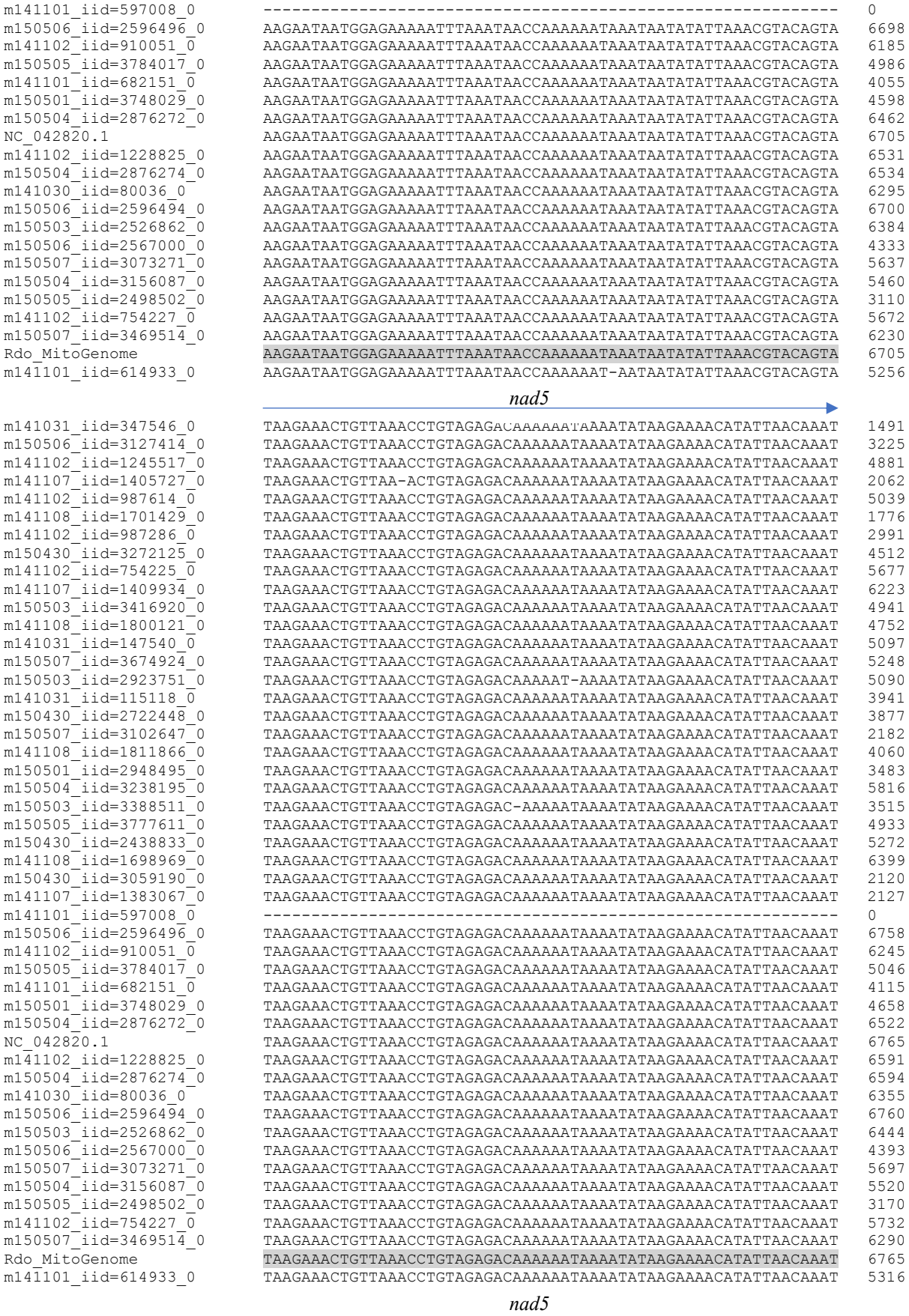
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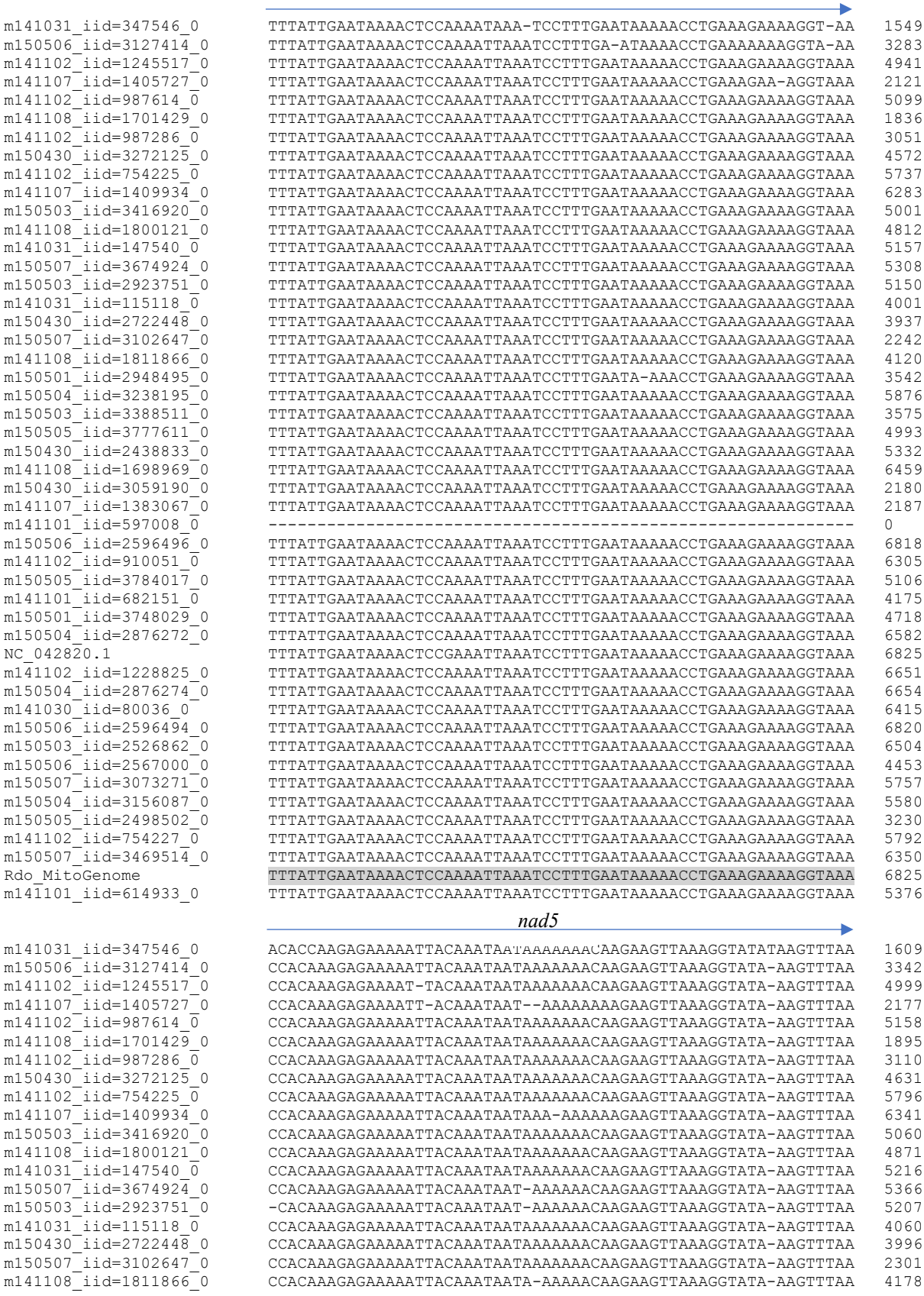
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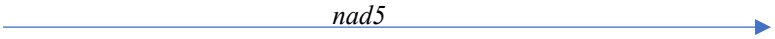
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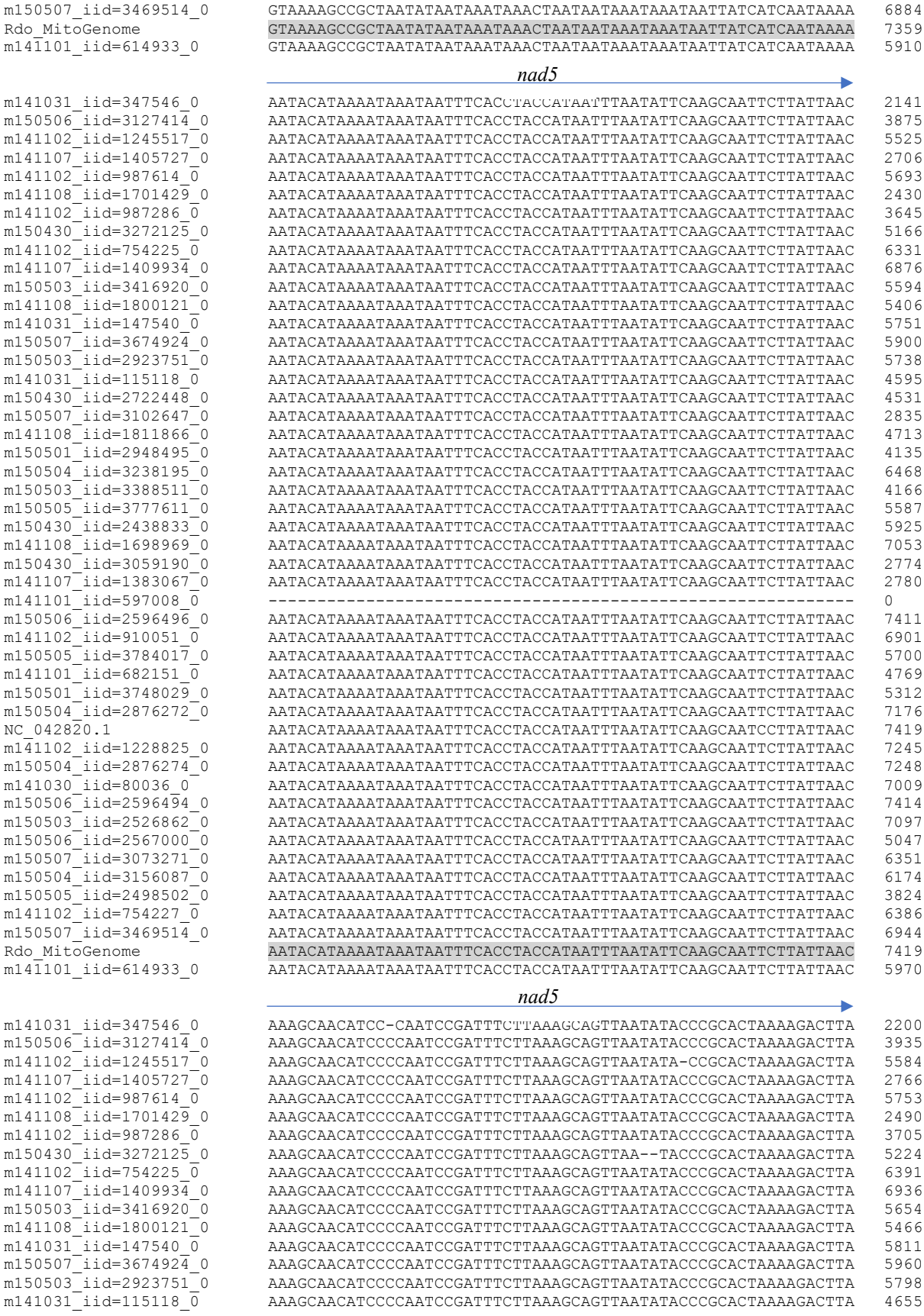
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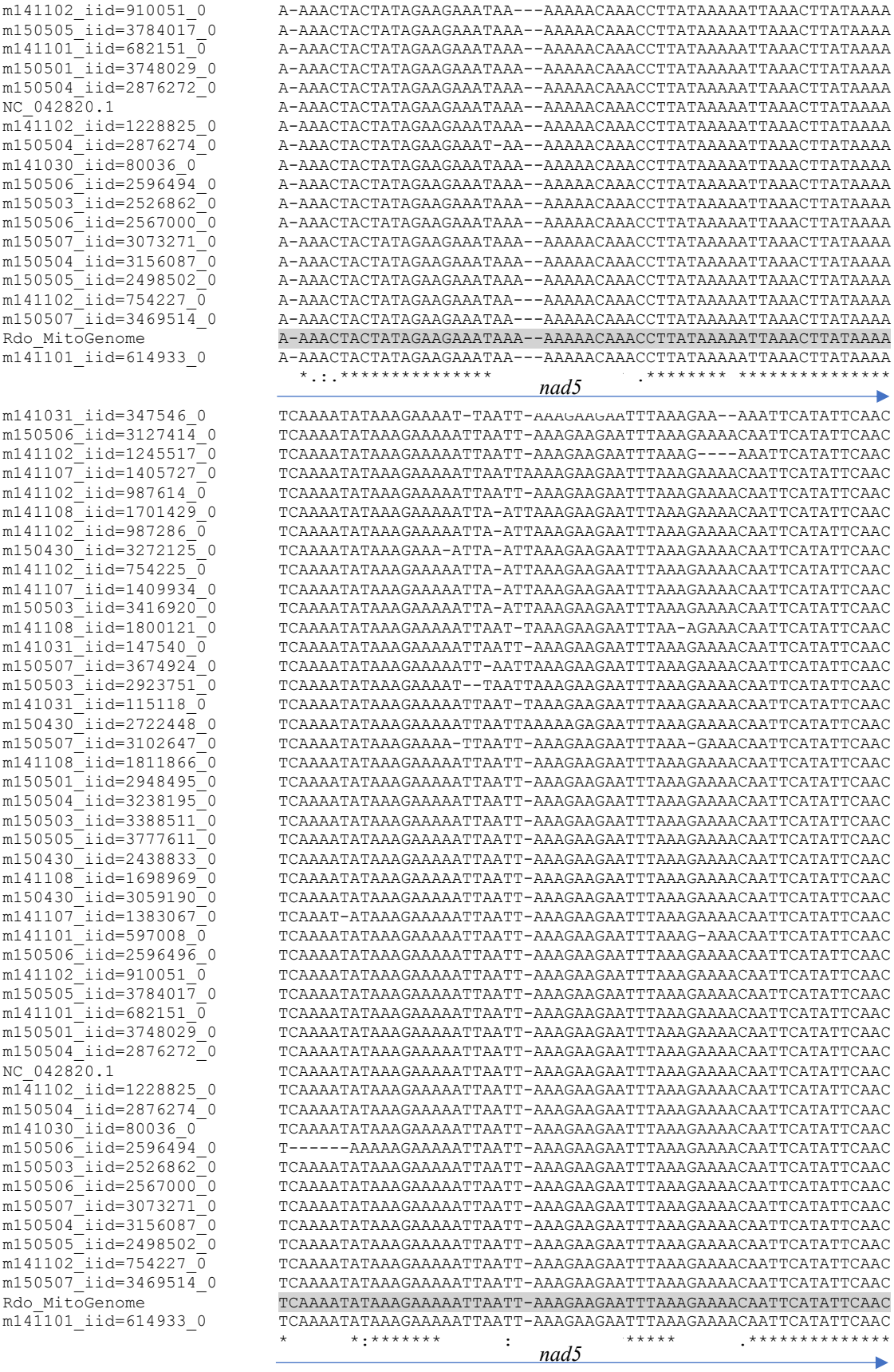
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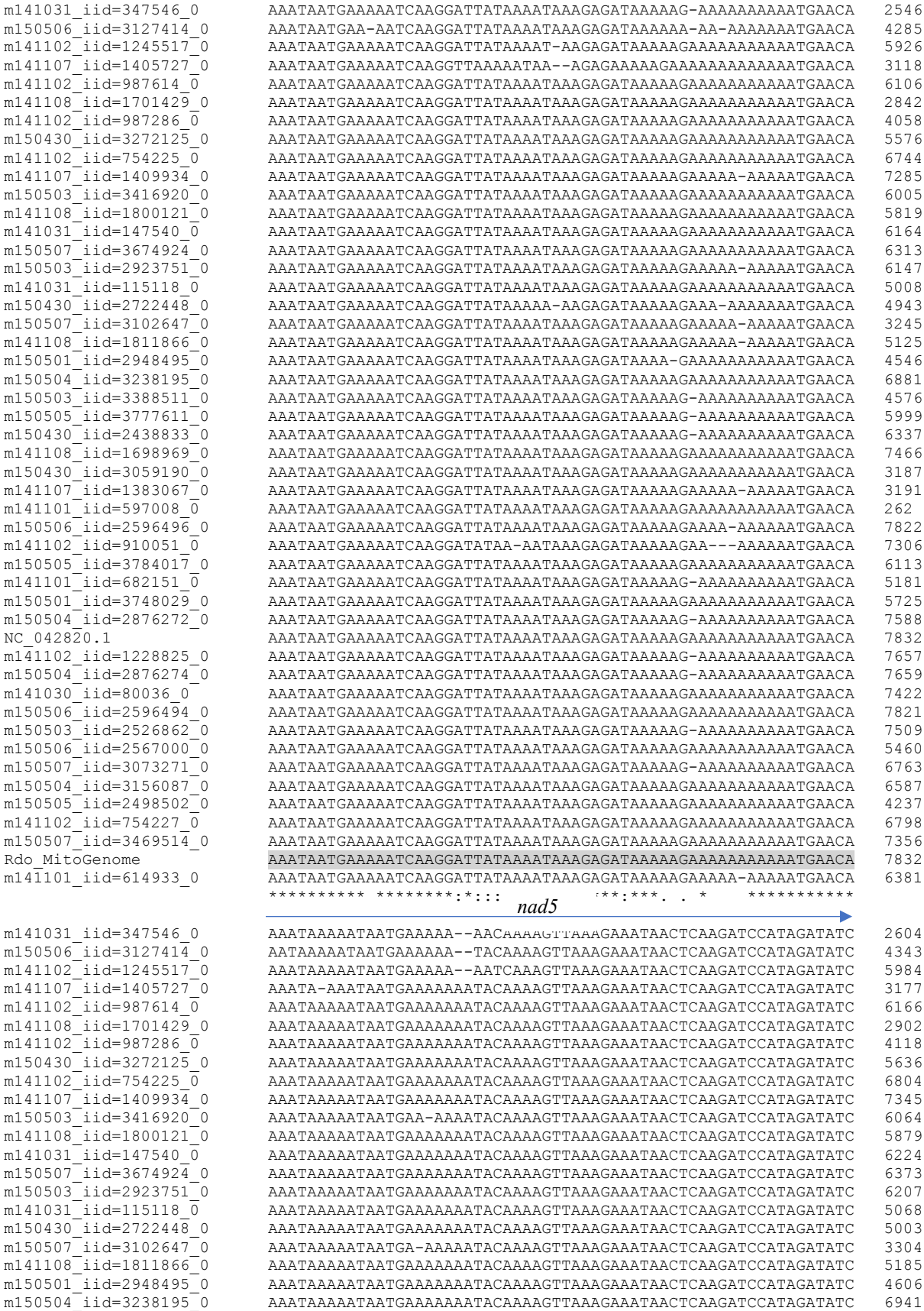
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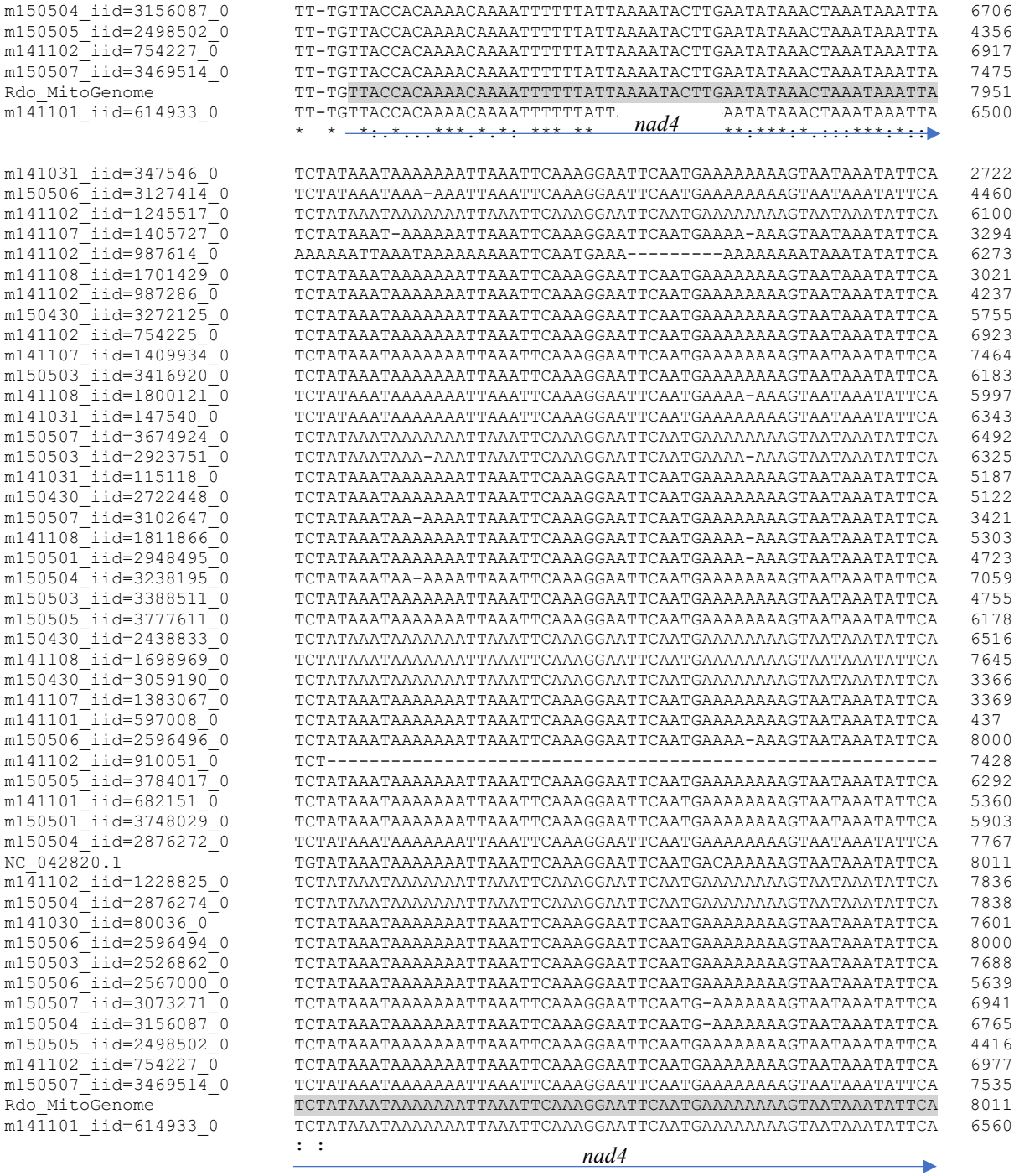
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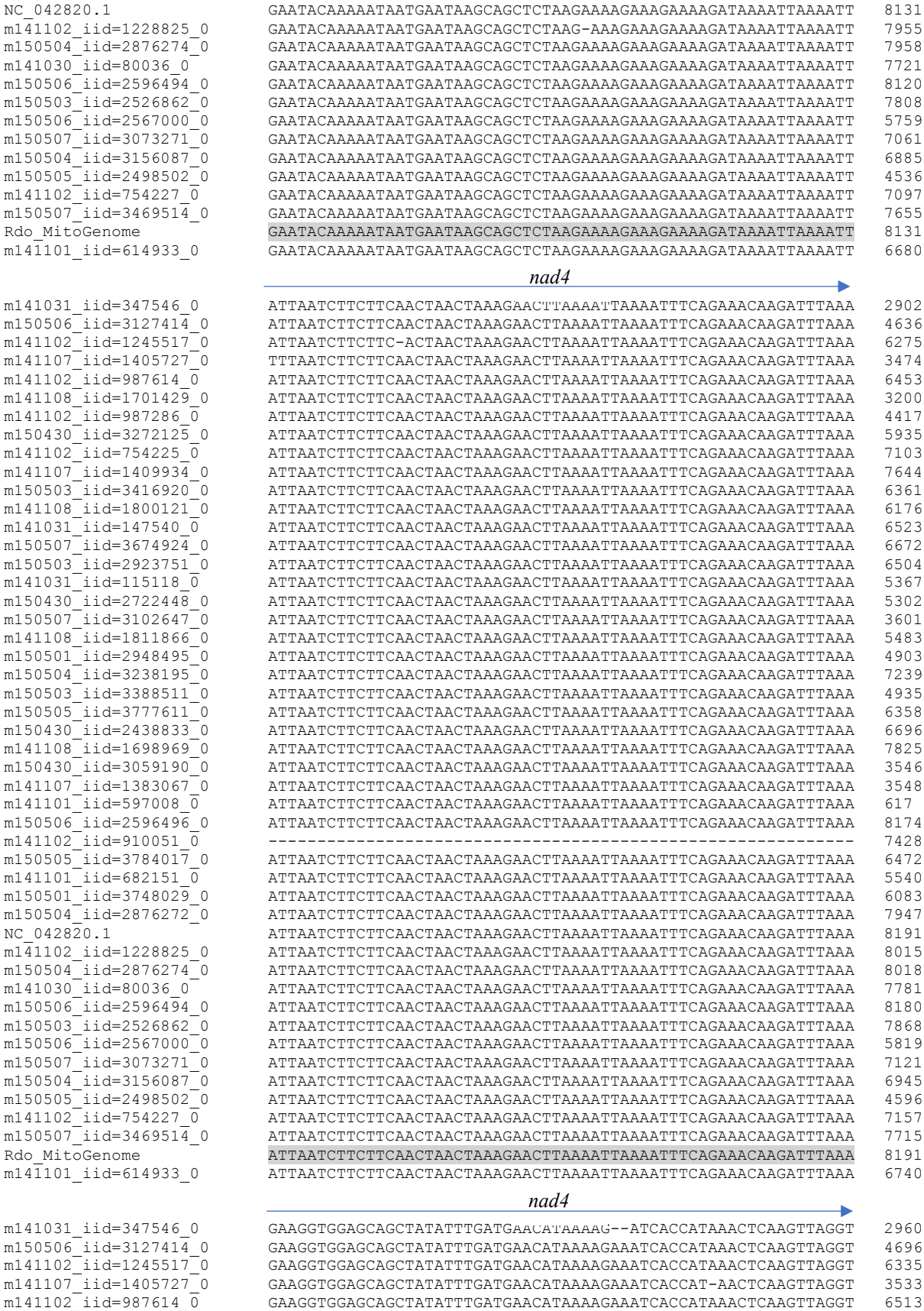
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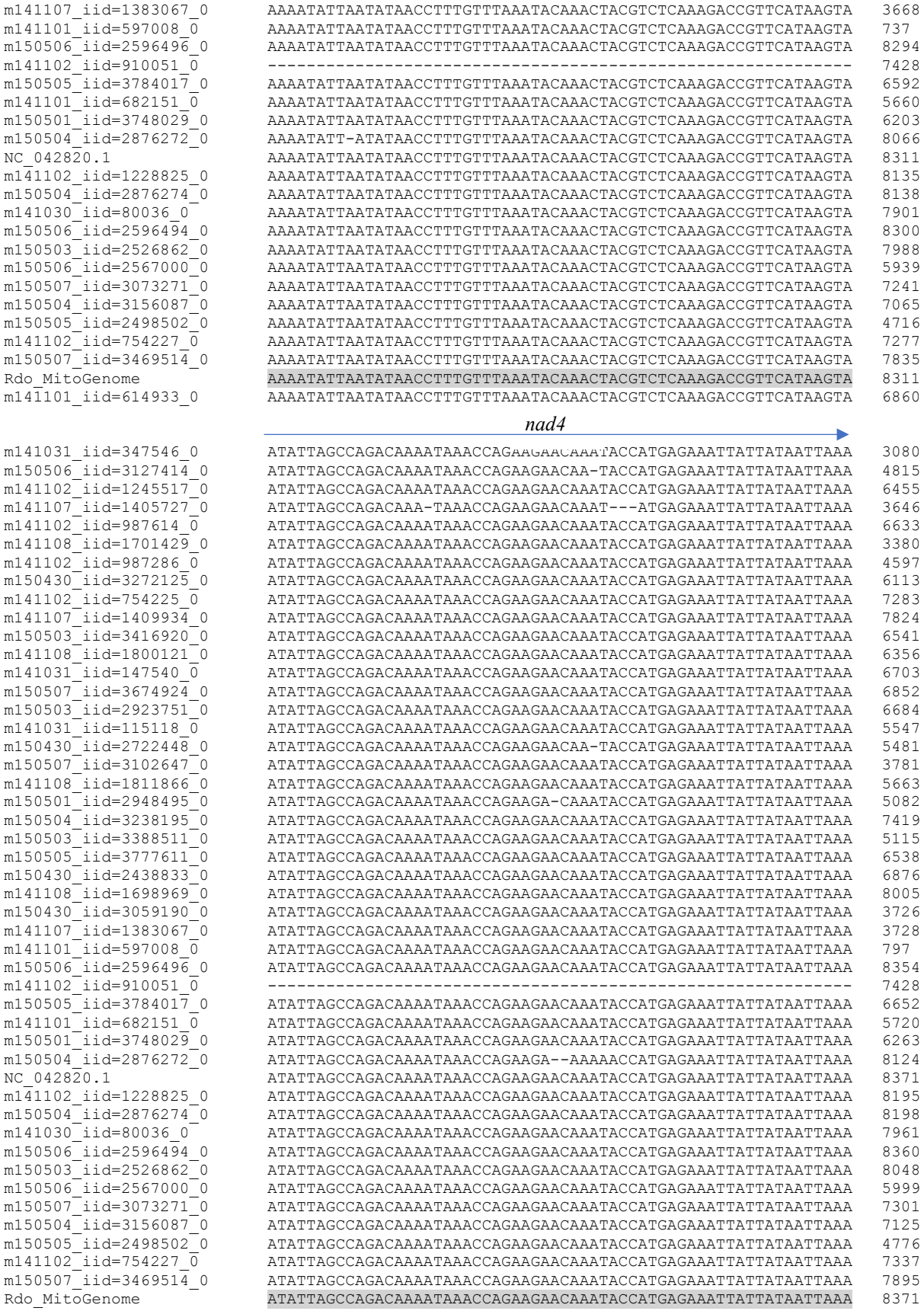
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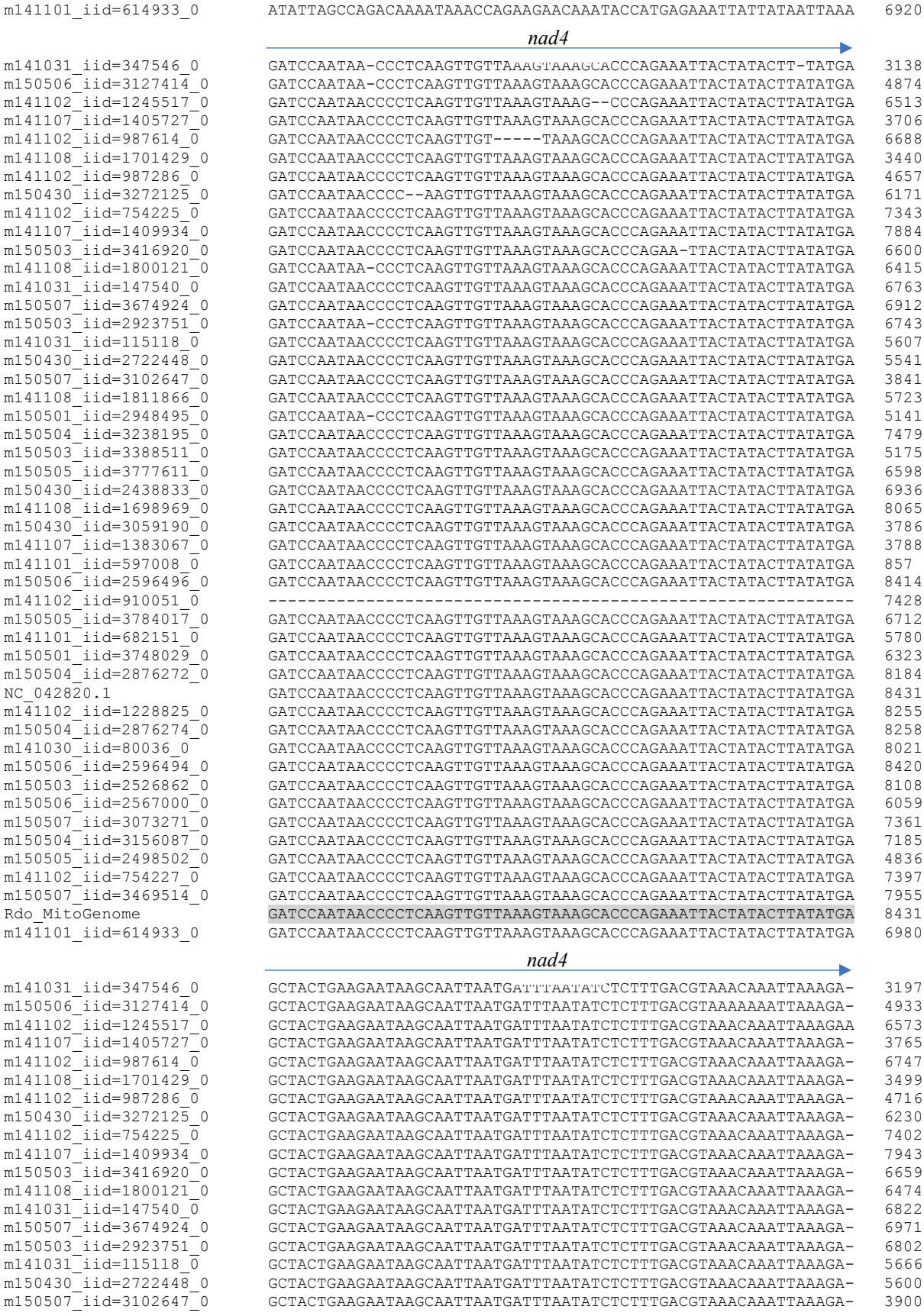

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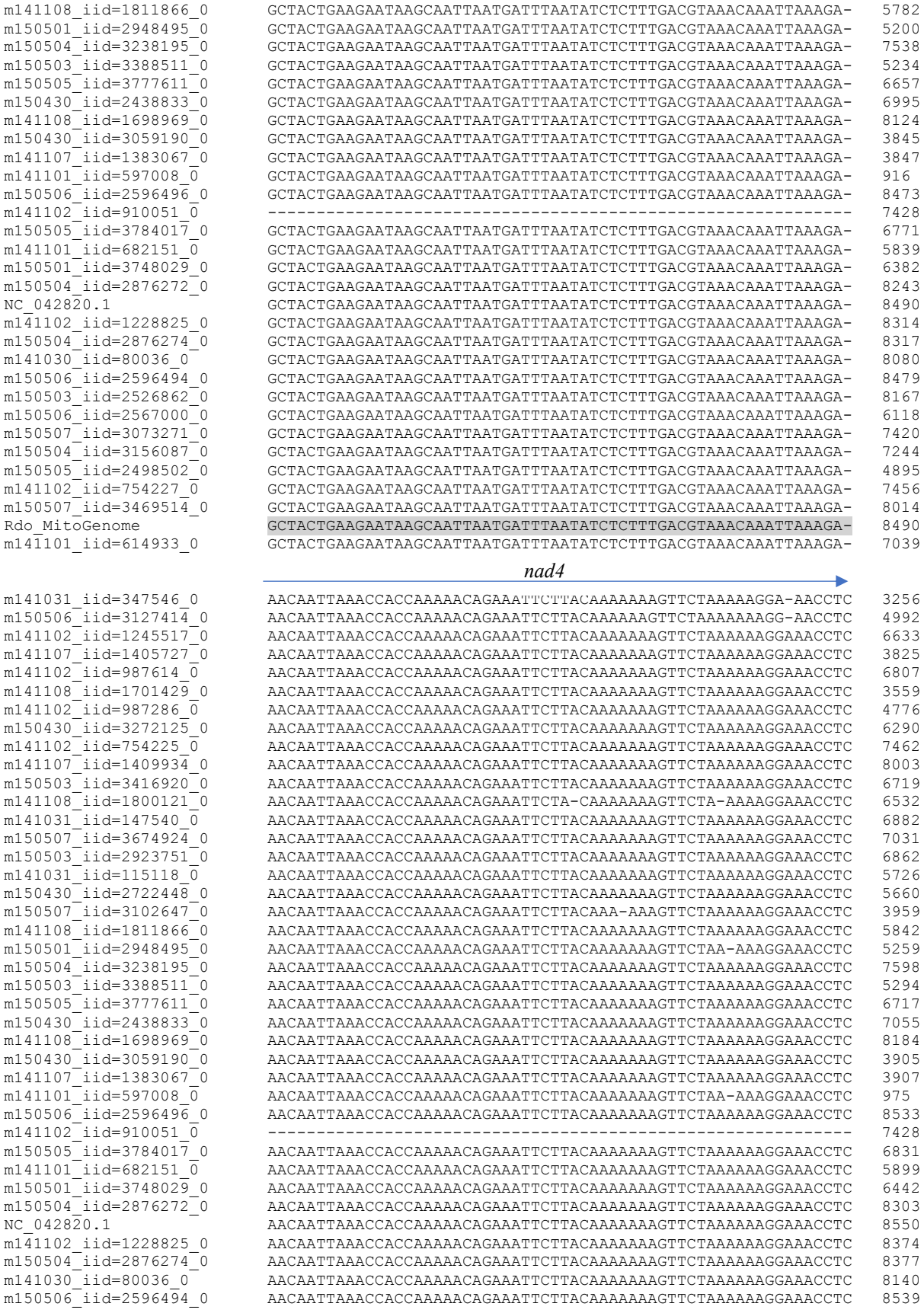
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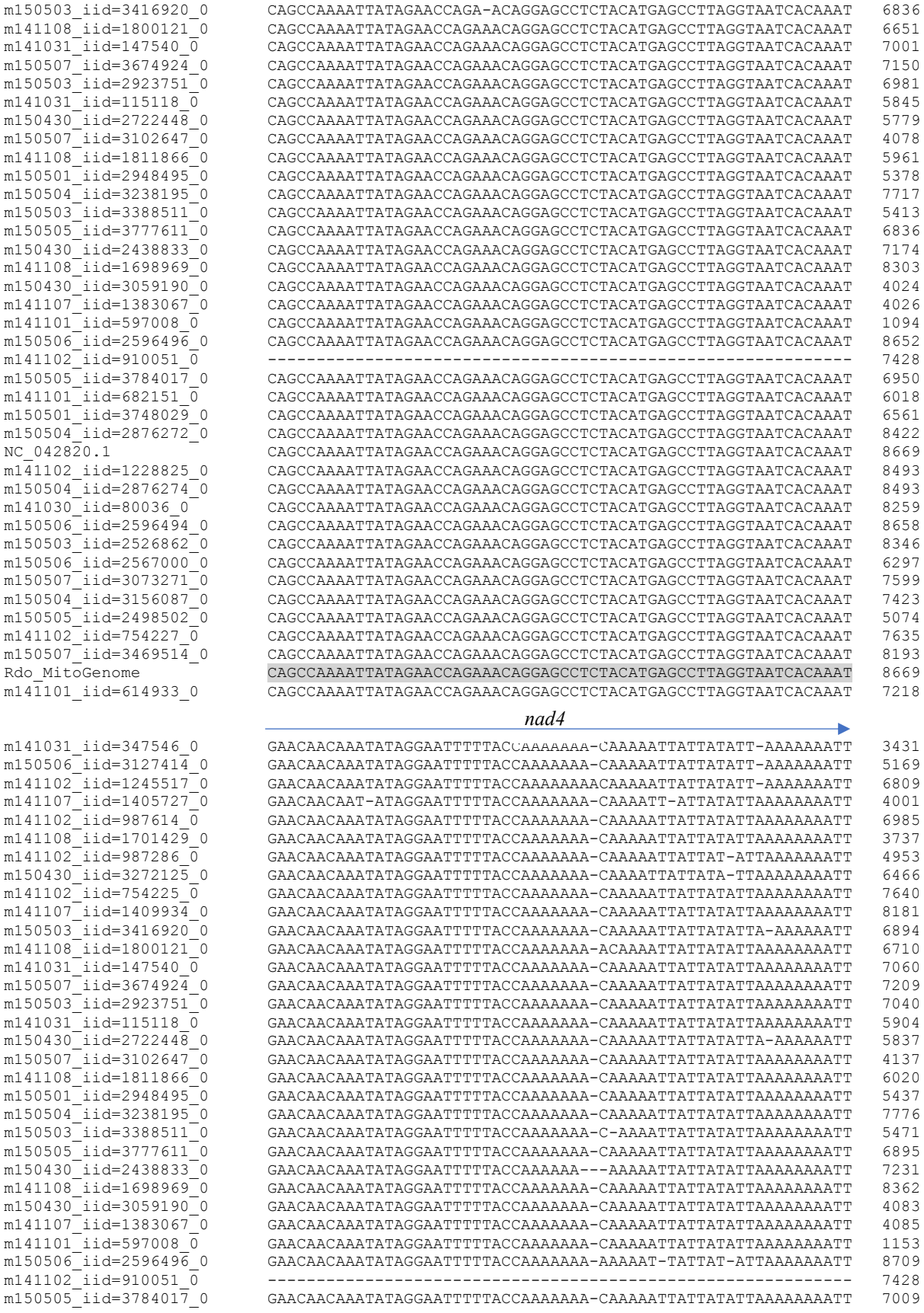

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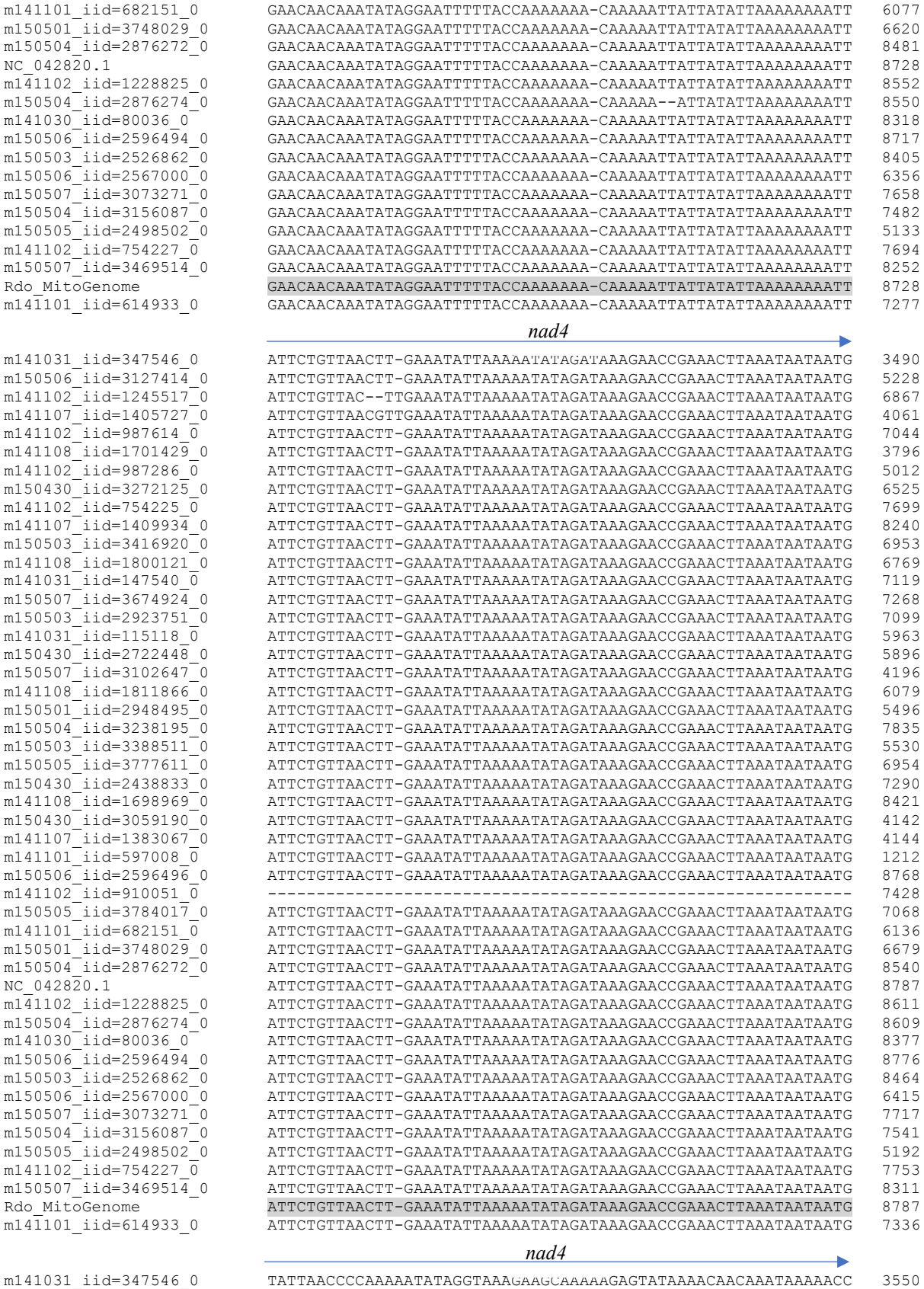

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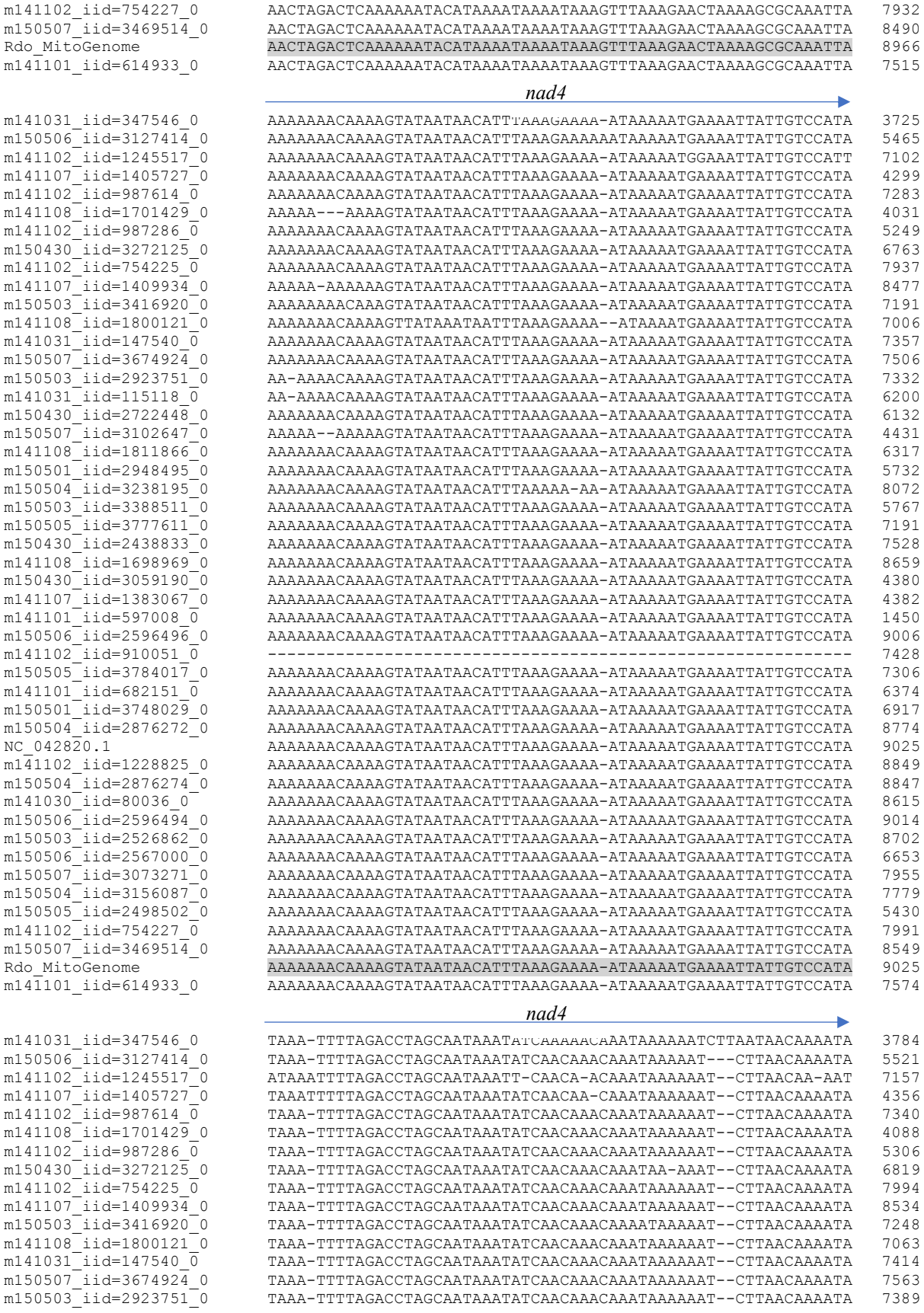

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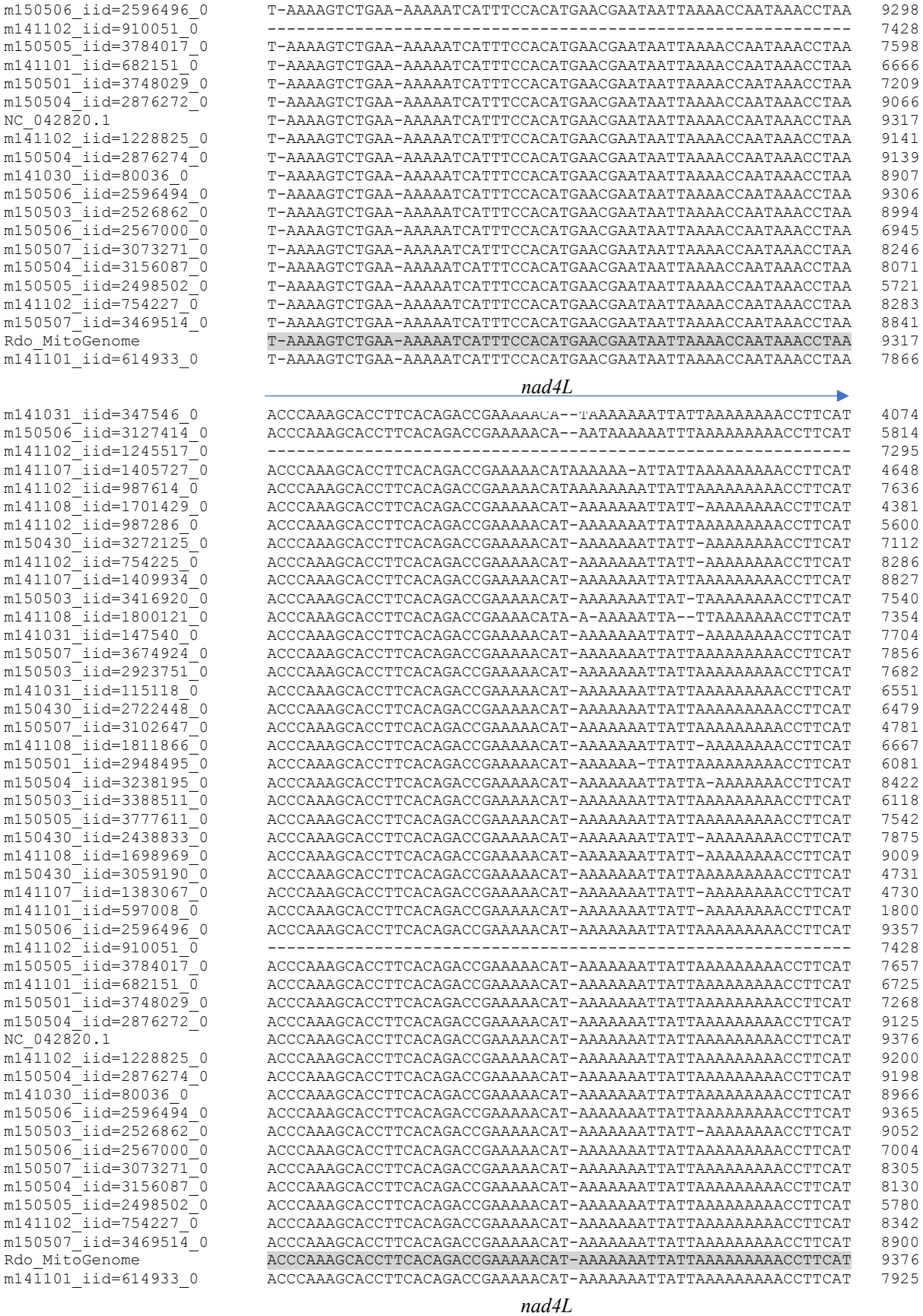
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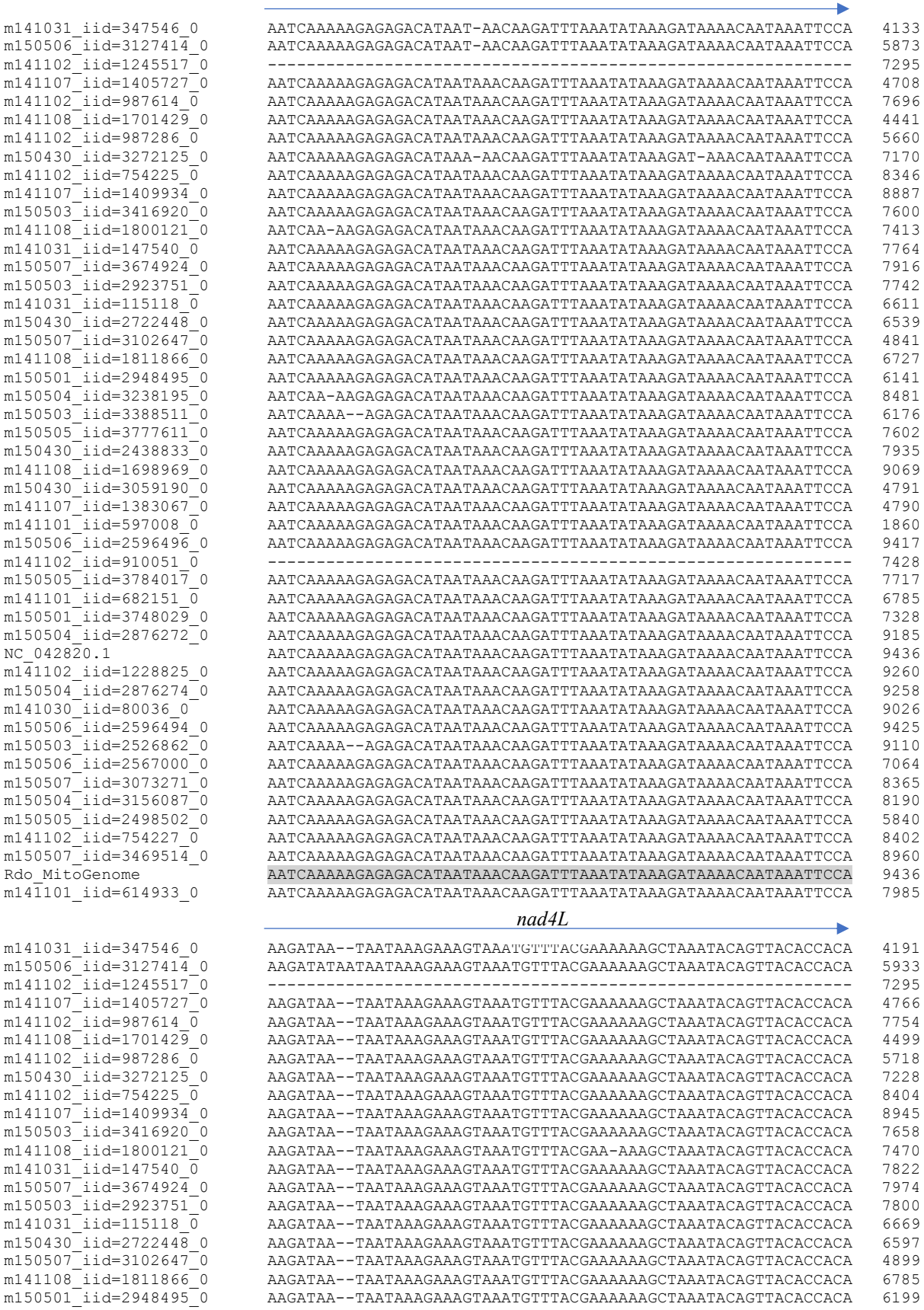
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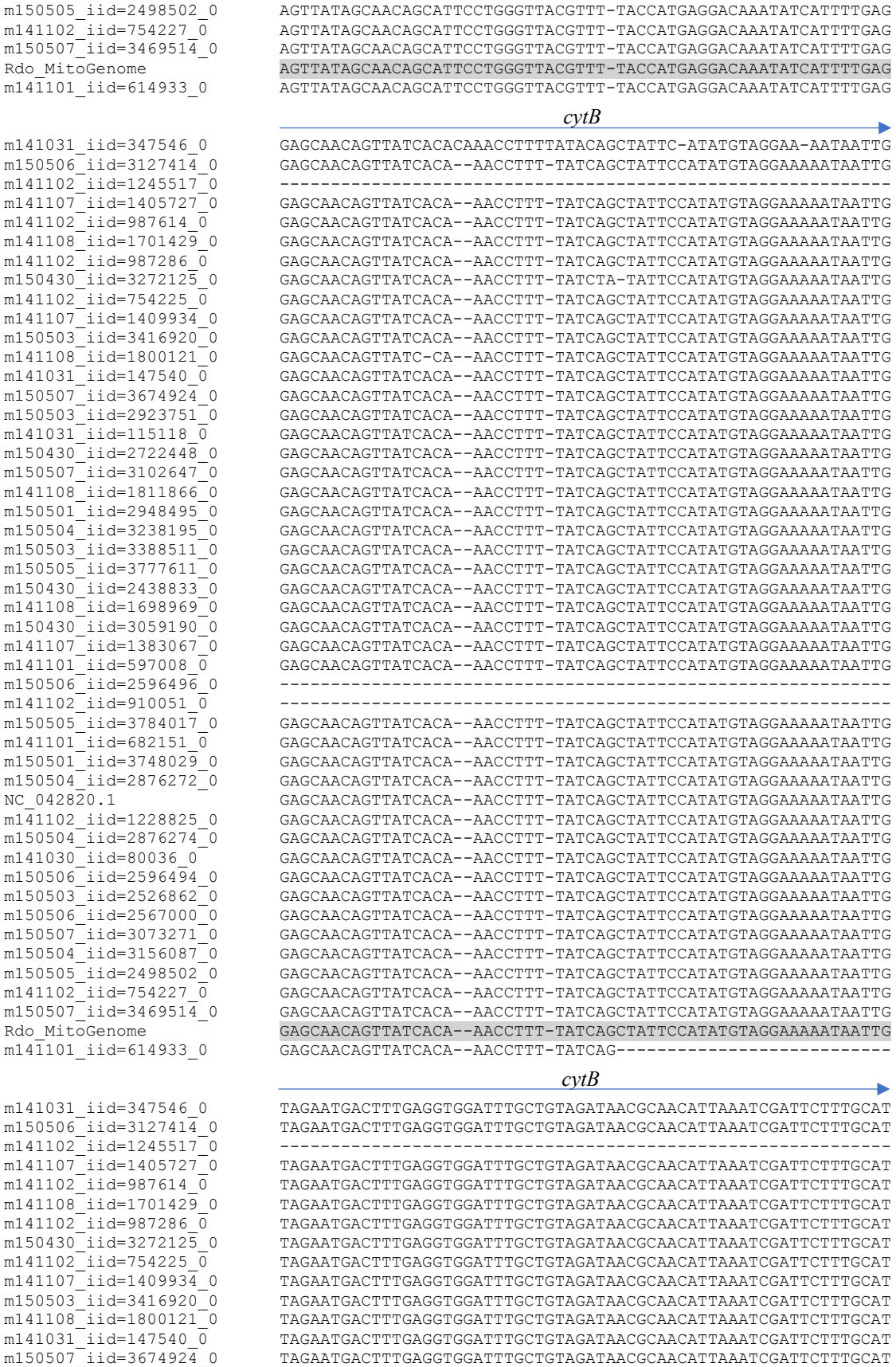
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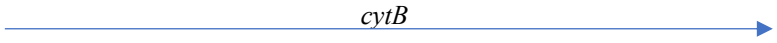
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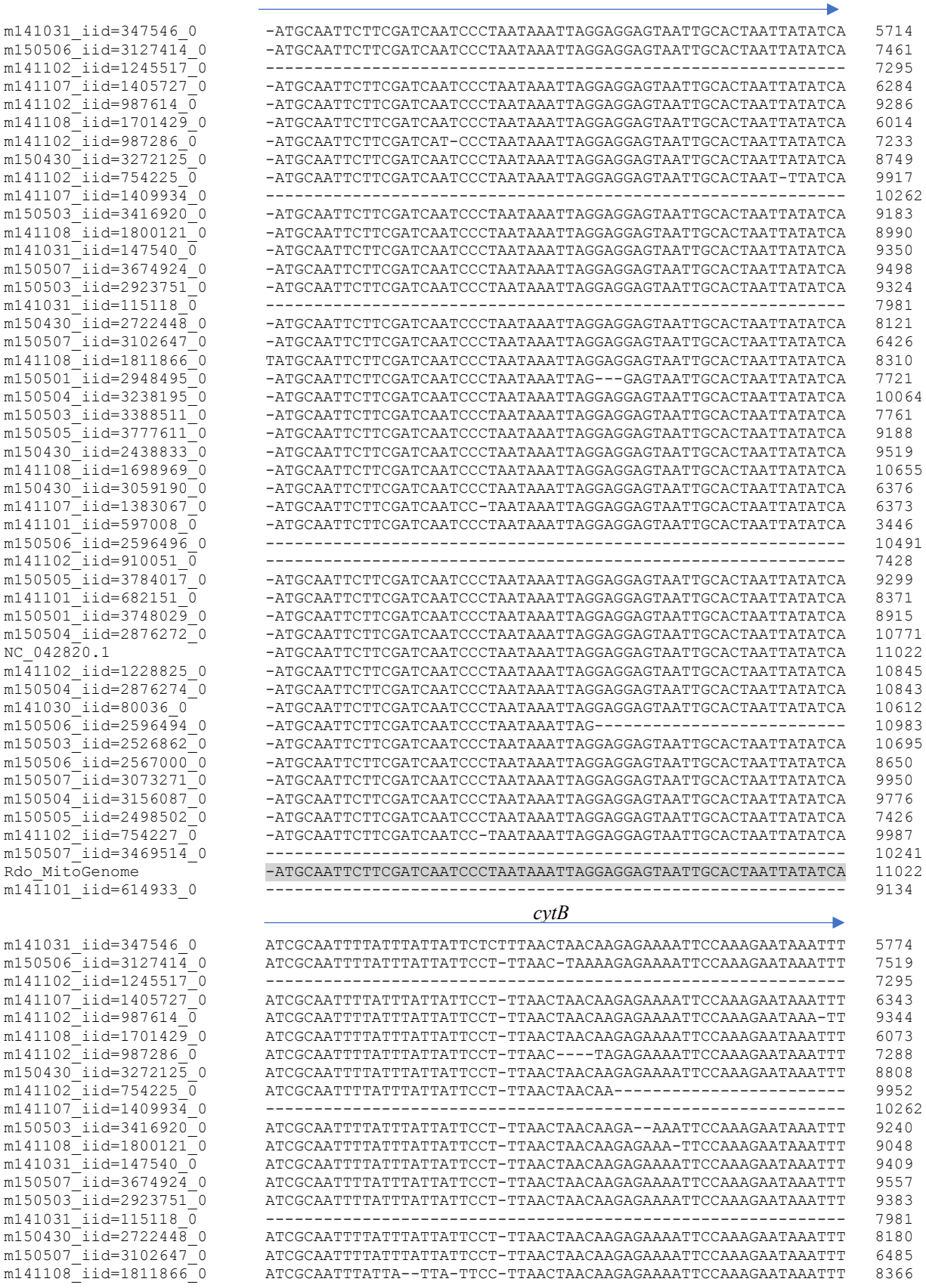

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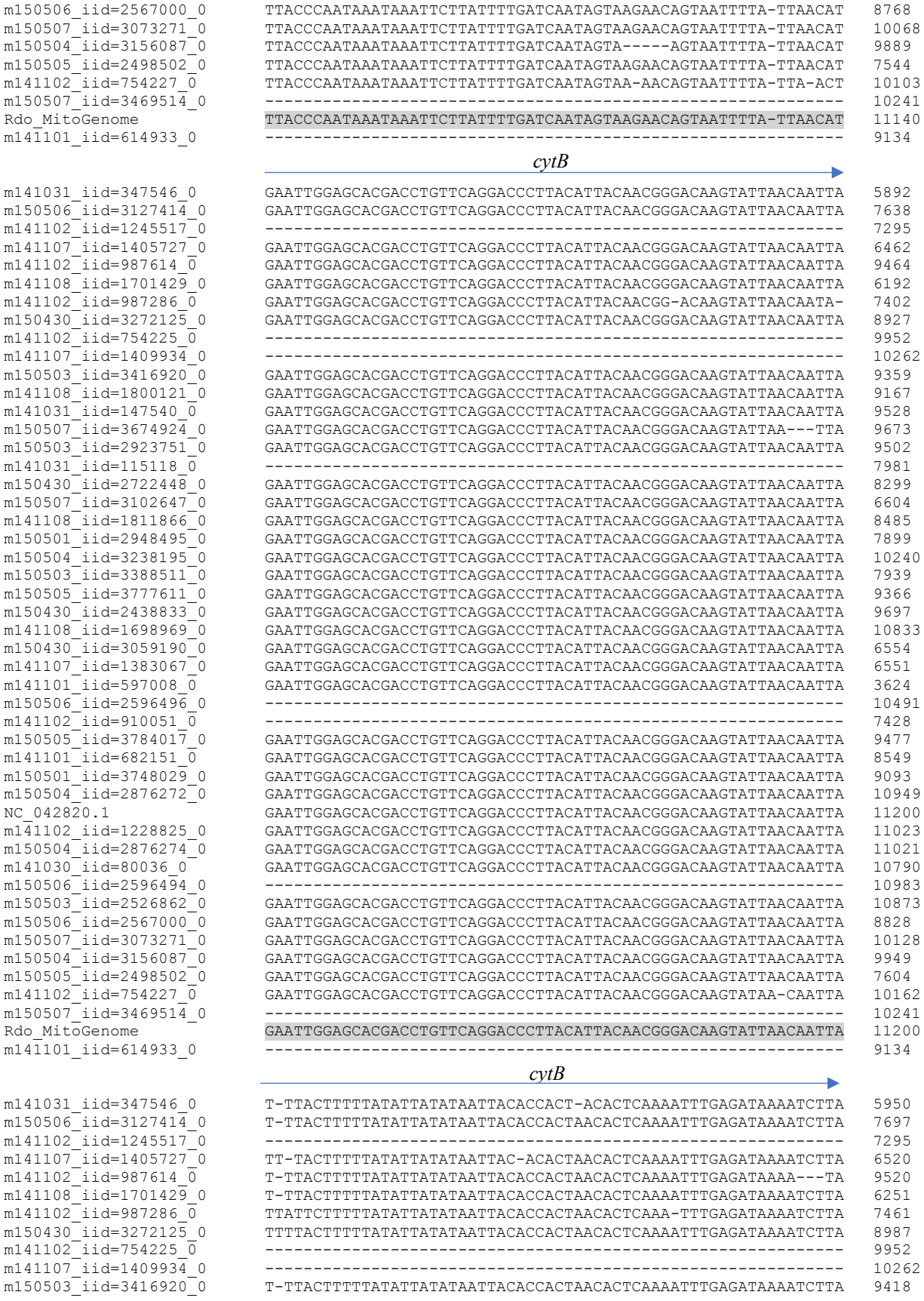
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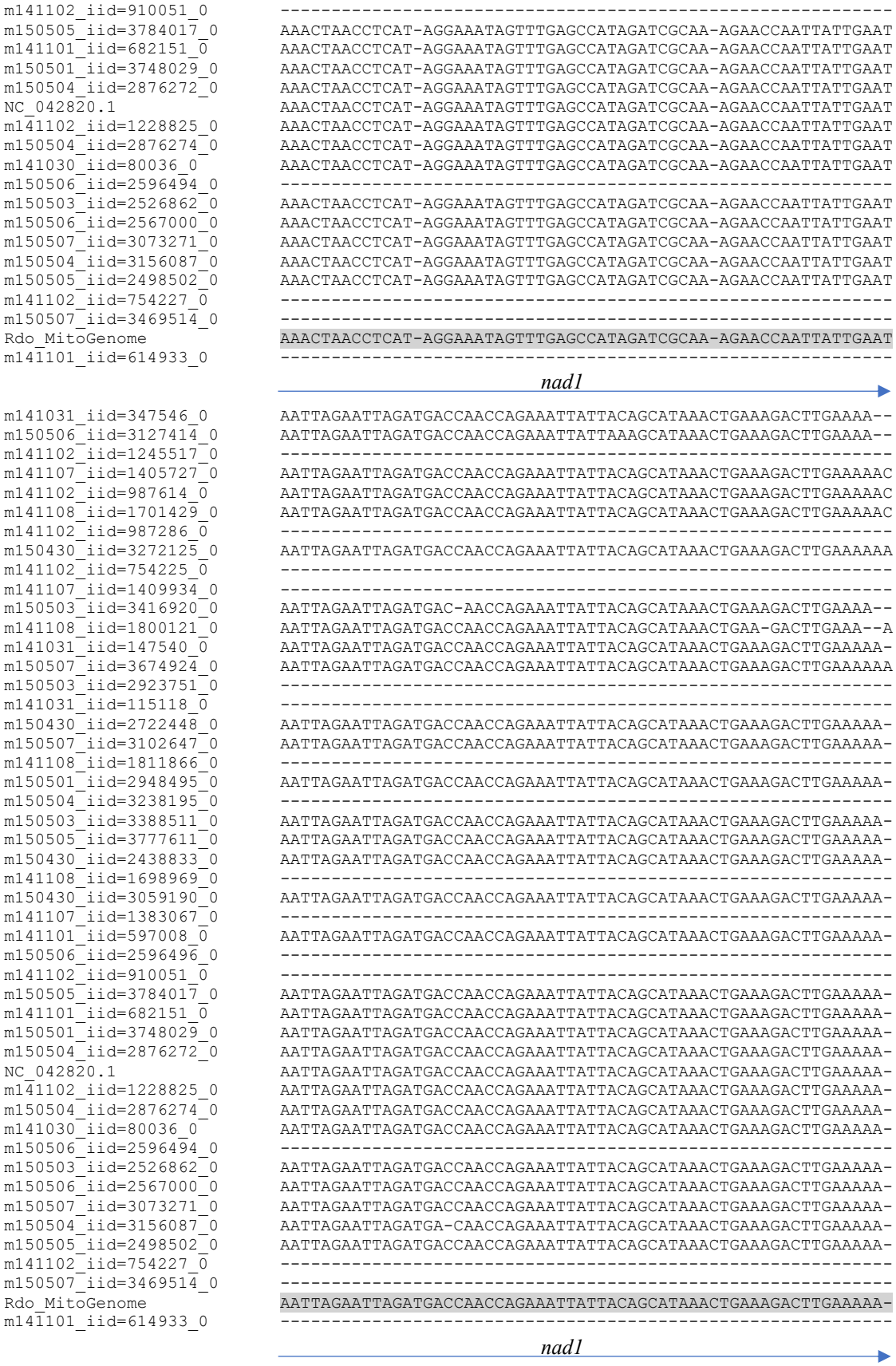
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m150506_iid=2596496_0      ------------------------------------------------------------   10491
m141102_iid=910051_0       ------------------------------------------------------------   7428
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m150506_iid=2567000_0      CTAAGTCACATTATTAAAGAAATAAAAAAATTTA-TTACAGGAGAAAAATAATAAAAAA-   9702
m150507_iid=3073271_0      CTAAGTCACATTATTAAAGAAATAAAAAAATTTA-TTACAGGAGAAAAATAATAAAAAAC   11003
m150504_iid=3156087_0      CTAAGTCACATTATTAAAGAAATAAAAAAATTTA-TTACAGGAGAAAAATAATAAAAAAC   10814
m150505_iid=2498502_0      CTAAGTCACATTATTAAAGAAATAAA-AAATTTA-TTACAGGAGAAAAATAATAAAAAAC   8477
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m141107_iid=1409934_0      ------------------------------------------------------------   10262
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m141108_iid=1701429_0      T-TAATCCAACATCGAGGTCGCAACCCCTTCCATCAATA-AGAACTCTA-AAGAAAGATT   7584
m141102_iid=987286_0       ------------------------------------------------------------   7493
m150430_iid=3272125_0      ------------------------------------------------------------   10013
m141102_iid=754225_0       ------------------------------------------------------------   9952
m141107_iid=1409934_0      ------------------------------------------------------------   10262
m150503_iid=3416920_0      ------------------------------------------------------------   10188
m141108_iid=1800121_0      TTTAATCCAACATCGAGGTCGCAACCCCTTCCATCAAGTAAGAACTCTAAAAGAAAGATT   10565
m141031_iid=147540_0       T-TAATCCAACATCGAGGTCGCAACCCCTTCCATCAAT-AAGAACTCTA-AAGAAAGATT   10920
m150507_iid=3674924_0      ------------------------------------------------------------   10758
m150503_iid=2923751_0      ------------------------------------------------------------   10134
m141031_iid=115118_0       ------------------------------------------------------------   7981
m150430_iid=2722448_0      ------------------------------------------------------------   9403
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m141108_iid=1811866_0      ------------------------------------------------------------   9038
m150501_iid=2948495_0      T-TAATCCAACATCGAGGTCGCAACCCCTTCCATCAAT-AAGAACTCTA-AAGAAAGATT   9283
m150504_iid=3238195_0      ------------------------------------------------------------   10610
m150503_iid=3388511_0      T-TAATCCAACATCGAGGTCGCAACCCCTTCCATCAAT-AAGAACTCTA-AAGAAAGATT   9331
m150505_iid=3777611_0      T-TAATCCAACATCGAGGTCGCAACCCCTTCCATCAAT-AAGAACTCTA-AAGAAAGATT   10759
m150430_iid=2438833_0      T-TAATCCAACATCGAGGTCGCAACCCCTTCCATCAAT-AAGAACTCTA-AAGAAAGATT   11086
m141108_iid=1698969_0      ------------------------------------------------------------   11147
m150430_iid=3059190_0      T-TAATCCAACATCGAGGTCGCAACCCCTTCCATCAAT-AAGAACTCTA-AAGAAAGATT   7948
m141107_iid=1383067_0      ------------------------------------------------------------   7061
m141101_iid=597008_0       T-TAATCCAACATCGAGGTCGCAACCCCTTCCATCAAT-AAGAACTCTA-AAGAAAGATT   5016
m150506_iid=2596496_0      ------------------------------------------------------------   10491
m141102_iid=910051_0       ------------------------------------------------------------   7428
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m141101_iid=682151_0       T-TAATCCAACATCGAGGTCGCAACCCCTTCCATCAAT-AAGAACTCTA-AAGAAAGATT   9940
m150501_iid=3748029_0      T-TAATCCAACATCGAGGTCGCAACCCCTTCCATCAAT-AAGAACTCTA-AAGAAAGATT   10485
m150504_iid=2876272_0      T-TAATCCAACATCGAGGTCGCAACCCCTTCCATCAAT-AAGAACTCTA-AAGAAAGATT   12337
NC_042820.1                T-TAATCCAACATCGAGGTCGCAACCCCTTCCATCAAT-AAGAACTCTA-AAGAAAGATT   12592
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m141030_iid=80036_0        ------------------------------------------------------------   11554
m150506_iid=2596494_0      ------------------------------------------------------------   10983
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m150506_iid=2567000_0      T-TAATCCAACATCGAGGTCGCAACCCCTTCCATCAAT-AAGAACTCTA-AAGAAAGATT   10220
m150507_iid=3073271_0      T-TAATCCAACATCGAGGTCGCAA-CCCTTCCATCAAT-AAGAACTCTA-AAGAAAGATT   11518
m150504_iid=3156087_0      T-TAATCCAACATCGAGGTCGCAACCCCTTCCATCAAT-AAGAACTCTA-AAGAAAGATT   11329
m150505_iid=2498502_0      T-TAATCCAACATCGAGGTCGCAACCCCTTCCATCAAT-AAGAACTCTA-AAGAAAGATT   8994
m141102_iid=754227_0       ------------------------------------------------------------   10254
m150507_iid=3469514_0      ------------------------------------------------------------   10241
Rdo_MitoGenome             T-TAATCCAACATCGAGGTCGCAACCCCTTCCATCAAT-AAGAACTCTA-AAGAAAGATT   12593
m141101_iid=614933_0       ------------------------------------------------------------   9134


m141031_iid=347546_0       ACGCTGTTATCCCTAAGGTAATTTTAACTTATAATCAAAAAAAAATTGAATCAATAAAATA   7318
m150506_iid=3127414_0      ACGCTGTTATCC-TAAGGTAATTTTAACTTATAATCAAAAAAAATTGAATCAATAAAATA   9081
m141102_iid=1245517_0      ------------------------------------------------------------   7295
m141107_iid=1405727_0      ------------------------------------------------------------   7315
m141102_iid=987614_0       ACGCTGTTATCCTAAGGTAATTGTTAACTTATAATCAAAAAAAATTGAATCAATAAAATA   10911
m141108_iid=1701429_0      ACGCTGTTATCCCTAAGGTAATTTTAACTTATAATCAAAAAAAATTGAATCAATAAAATA   7644
m141102_iid=987286_0       ------------------------------------------------------------   7493
m150430_iid=3272125_0      ------------------------------------------------------------   10013
m141102_iid=754225_0       ------------------------------------------------------------   9952
m141107_iid=1409934_0      ------------------------------------------------------------   10262
m150503_iid=3416920_0      ------------------------------------------------------------   10188
m141108_iid=1800121_0      ACGCTGTTATCCCTAAGGTAATTTTAACTTATAATCAAAAAA-ATTGAATCAA-------   10617
m141031_iid=147540_0       ACGCTGTTATCCCTAAGGTAATTTTAACTTATAATCAAAAAAAATTGAATCAATAAAATA   10980
m150507_iid=3674924_0      ------------------------------------------------------------   10758
m150503_iid=2923751_0      ------------------------------------------------------------   10134
m141031_iid=115118_0       ------------------------------------------------------------   7981
m150430_iid=2722448_0      ------------------------------------------------------------   9403
m150507_iid=3102647_0      ACGCTGTTATCCCTAAGGTAATTTTAACTTATAATCAAAAA-AATTGAATCAATAAAATA   8050
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m150504_iid=3238195_0      ------------------------------------------------------------   10610
m150503_iid=3388511_0      ACGCTGTTATCCCTAAGGTAATTTTAACTTATAATCAAAAAAAATTGAATCAATAAAATA   9391
m150505_iid=3777611_0      ACGCTGTTATCCCTAAGGTAATTTTAACTTATAATCAAAAAAAATTGAATCAATAAAATA   10819
m150430_iid=2438833_0      ACGCTGTTATCCCTAAGGTAATTTTAACTTATAATCAAAAAAAATTGAATCAATAAAATA   11146
m141108_iid=1698969_0      ------------------------------------------------------------   11147
m150430_iid=3059190_0      ACGCTGTTATCCCTAAGGTAATT-TAACTTATAATCAAAAAAAATTGAATCAATAAAATA   8007
m141107_iid=1383067_0      ------------------------------------------------------------   7061
m141101_iid=597008_0       ACGCTGTTATCCCTAAGGTAATTTTAACTTATAATCAAAAAAAATTGAATCAATAAAATA   5076
m150506_iid=2596496_0      ------------------------------------------------------------   10491
m141102_iid=910051_0       ------------------------------------------------------------   7428
m150505_iid=3784017_0      ACGCTGTTATCCCTAAGGTAATTTTAACTTATAATCAAAAAAAATTGAATCAATAAAATA   10927
m141101_iid=682151_0       ACGCTGTTATCCCTAAGGTAATTTTAACTTATAATCAAAAAAAATTGAATCAATAAAATA   10000
m150501_iid=3748029_0      ACGCTGTTATCCCTAAGGTAATTTTAACTTATAATCAAAAAAAATTGAATCAATAAAATA   10545
m150504_iid=2876272_0      ACGCTGTTATCCCTAAGGTAATTTTAACTTATAATCAAAAAAAATTGAATCAATAAAATA   12397
NC_042820.1                ACGCTGTTATCCCTAAGGTAATTTTAACTTATAATCAAAAAAAATTGAATCAATAAAATA   12652
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m150504_iid=2876274_0      ACGCTGTTATCCCTAAGGTAATTTTAACTTATAATCAAAAAAAATTGAATCAATAAAATA   12470
m141030_iid=80036_0        ------------------------------------------------------------   11554
m150506_iid=2596494_0      ------------------------------------------------------------   10983
m150503_iid=2526862_0      ACGCTGTTATCCCTAAGGTAATTTTAACTTATAATCAAAAAAAATTGAATCAATAAAATA   12320
m150506_iid=2567000_0      ACGCTGTTATCCCTAAGGTAATTTTAACTTATAATCAAAAAAAATTGAATCAATAAAATA   10280
m150507_iid=3073271_0      ACGCTGTTATCCCTAAGGTAATTTTAACTTATAATCAAAAAAAATTGAATCAATAAAATA   11578
m150504_iid=3156087_0      ACGCTGTTAT-CCTAAGGTAATTTTAACTTATAATCAAAAAAAATTGA------------   11376
m150505_iid=2498502_0      ACGCTGTTATCCCTAAGGTAATTTTAACTTATAATCAAAAAAAATTGAATCAATAAAATA   9054
m141102_iid=754227_0       ------------------------------------------------------------   10254
m150507_iid=3469514_0      ------------------------------------------------------------   10241
Rdo_MitoGenome             ACGCTGTTATCCCTAAGGTAATTTTAACTTATAATCAAAAAAAATTGAATCAATAAAATA   12653
m141101_iid=614933_0       ------------------------------------------------------------   9134


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m150506_iid=3127414_0      TAAATAAATATAATA---AAAGAAAAGTTTGTCAAATTATTCCCATCACACCCAACAAAA   9138
m141102_iid=1245517_0      ------------------------------------------------------------   7295
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m141102_iid=987614_0       TAA--TAAATATAAAAATAAAGAGAAGTTTGTCAAATTATTCCCATCACCCC-AACAAAA   10968
m141108_iid=1701429_0      TAAATAAATATAAAAATAAAAGAAAAGTTTGTCAAATTATTCCCATCACCCC-AACAAAA   7703
m141102_iid=987286_0       ------------------------------------------------------------   7493
m150430_iid=3272125_0      ------------------------------------------------------------   10013
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m150503_iid=3416920_0      ------------------------------------------------------------   10188
m141108_iid=1800121_0      ------------------------------------------------------------   10617
m141031_iid=147540_0       TAAATAAATATAAAAATAAAAGAAAAGTTTGTCAAATTATTCCCATCACCCC-AACAAAA   11039
m150507_iid=3674924_0      ------------------------------------------------------------   10758
m150503_iid=2923751_0      ------------------------------------------------------------   10134
m141031_iid=115118_0       ------------------------------------------------------------   7981
m150430_iid=2722448_0      ------------------------------------------------------------   9403
m150507_iid=3102647_0      TAAATAAATATAAAAATAAAAGAAAAGTTTGTCAAATTATTCCCATCACCCC-AACAAAA   8109
m141108_iid=1811866_0      ------------------------------------------------------------   9038
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m150504_iid=3238195_0      ------------------------------------------------------------   10610
m150503_iid=3388511_0      TAAATAAATATAAAAATAAAAGAAAAGTTTGTCAAATTATTCCCATCACCCC-AACAAAA   9450
m150505_iid=3777611_0      -AAATAAATATAAAAATAAAAGAAAAGTTTGTCAAATTATTCCCATCACCCC-AACAAAA   10877
m150430_iid=2438833_0      TAAATAAATATAAAAATAAAAGAAAAGTTTGTCAAATTATTCCCATCACCC---AAAAAA   11203
m141108_iid=1698969_0      ------------------------------------------------------------   11147
m150430_iid=3059190_0      TAAATAAATATAAAAATA-AAAGAAAGTTTGTCAAATTATTCCCATCACCCC-AACAAAA   8065
m141107_iid=1383067_0      ------------------------------------------------------------   7061
m141101_iid=597008_0       TAAATAAATATAAAAATAAAAGAAAAGTTTGTCAAATTATTCCCATCACCCC-AACAAAA   5135
m150506_iid=2596496_0      ------------------------------------------------------------   10491
m141102_iid=910051_0       ------------------------------------------------------------   7428
m150505_iid=3784017_0      TAAATAAATATAAAAATAAAAGAAAAGTTTGTCAAATTATTCCCATCACCCC-AACAAAA   10986
m141101_iid=682151_0       TAAATAAATATAAAAATAAAAGAAAAGTTTGTCAAATTATTCCCATCACCCC-AACAAAA   10059
m150501_iid=3748029_0      TAAATAAATATAAAAATAAAAGAAAAGTTTGTCAAATTATTCCCATCACCCC-AACAAAA   10604
m150504_iid=2876272_0      TAAATAAATATAAAAATAAAAGAAAAGTTTGTCAAATTATTCCCATCACCCC-AACAAAA   12456
NC_042820.1                TAAATAAATATAAAAATAAAAGAAAAGTTTGTCAAATTATTCCCATCACCCC-AACAAAA   12711
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m150504_iid=2876274_0      TAAATAAATATAAAAATAAAAGAAAAGTTTGTCAAATTATTCCCATCACCCC-AACAAAA   12529
m141030_iid=80036_0        ------------------------------------------------------------   11554
m150506_iid=2596494_0      ------------------------------------------------------------   10983
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m150506_iid=2567000_0      TAAATAAATATAAAAATAAAAGAAAAGTTTGTCAAATTATTCCCATCACCCC-AACAAAA   10339
m150507_iid=3073271_0      TAAAT-AATAAATAAATAAAAGAAAAGTTTGTCAAATTATT-CCATCACC----------   11626
m150504_iid=3156087_0      ------------------------------------------------------------   11376
m150505_iid=2498502_0      TAAATAAATATAAAAATAAAAGAAAAGTTTGTCAAATTATTCCCATCACCCC-AACAAAA   9113
m141102_iid=754227_0       ------------------------------------------------------------   10254
m150507_iid=3469514_0      ------------------------------------------------------------   10241
Rdo_MitoGenome             TAAATAAATATAAAAATAAAAGAAAAGTTTGTCAAATTATTCCCATCACCCC-AACAAAA   12712
m141101_iid=614933_0       ------------------------------------------------------------   9134


m141031_iid=347546_0       TAATTTTTAAT-TAATAAAGAAAAATCCTAAATAAATTATTAACC-AAAAAATATTAAAT   7432
m150506_iid=3127414_0      TAATTTTTAATTAATAAAAGAAAAATCCTAAATAAATTATTAACC-AAAAATATTAAACT   9197
m141102_iid=1245517_0      ------------------------------------------------------------   7295
m141107_iid=1405727_0      ------------------------------------------------------------   7315
m141102_iid=987614_0       TAATTTTTTAATTAATAAAAGAAAAATCCTAAATAAATTATTAACCAAAAAATATTAAACT   11028
m141108_iid=1701429_0      TAATTTTTAATTAATAAAAGAAAAATCCTAAATAAATTATTAACCAAAAAATATTAAACT   7763
m141102_iid=987286_0       ------------------------------------------------------------   7493
m150430_iid=3272125_0      ------------------------------------------------------------   10013
m141102_iid=754225_0       ------------------------------------------------------------   9952
m141107_iid=1409934_0      ------------------------------------------------------------   10262
m150503_iid=3416920_0      ------------------------------------------------------------   10188
m141108_iid=1800121_0      ------------------------------------------------------------   10617
m141031_iid=147540_0       TAATTTTTAATTAATAAAAGAAAAATCCTAAATAAATTATTAACCAAAAAA-ATTAAACT   11098
m150507_iid=3674924_0      ------------------------------------------------------------   10758
m150503_iid=2923751_0      ------------------------------------------------------------   10134
m141031_iid=115118_0       ------------------------------------------------------------   7981
m150430_iid=2722448_0      ------------------------------------------------------------   9403
m150507_iid=3102647_0      TAATTTTTAATTAATAAAAGAAAAATCCTAAATAAATTATTAACCAAAAAATATTAAACT   8169
m141108_iid=1811866_0      ------------------------------------------------------------   9038
m150501_iid=2948495_0      TAATTTTTAATTAATAAAAGAAAAATCCTAAATAAATTATTAACCAAAAAATATTAAACT   9462
m150504_iid=3238195_0      ------------------------------------------------------------   10610
m150503_iid=3388511_0      TAATTTTTAATTAATAAAAGAAAAATCCTAAATAAATTATTAACC-AAAAAAATTAAACT   9509
m150505_iid=3777611_0      TAATTTTTAATTAATAAAAGAAAAATCCTAAATAAATTATTAACC-AAAAATATTAAACT   10936
m150430_iid=2438833_0      TAATTTTTAATTAATAAAAGAAAAATCCTAAATAAATTATTAACCAAAAAATATTAAACT   11263
m141108_iid=1698969_0      ------------------------------------------------------------   11147
m150430_iid=3059190_0      TAATTTTTAATTAATAAAAGAAAAATCCTAAATAAATTATTAACCAAAAAATATTAAACT   8125
m141107_iid=1383067_0      ------------------------------------------------------------   7061
m141101_iid=597008_0       TAATTTTTAATTAATAAAAGAAAAATCCTAAATAAATTATTAACCAAAAAATATTAAACT   5195
m150506_iid=2596496_0      ------------------------------------------------------------   10491
m141102_iid=910051_0       ------------------------------------------------------------   7428
m150505_iid=3784017_0      TAATTTTTAATTAATAAAAGAAAAATCCTAAATAAATTATTAACCAAAAAATATTAAACT   11046
m141101_iid=682151_0       TAATTTTTAATTAATAAAAGAAAAATCCTAAATAAATTATTAACCAAAAAATATTAAACT   10119
m150501_iid=3748029_0      TAATTTTTAATTAATAAAAGAAAAATCCTAAATAAATTATTAACCAAAAAATATT-AACT   10663
m150504_iid=2876272_0      TAATTTTTAATTAATAAAAGAAAAATCCTAAATAAATTATTAACCAAAAAATATTAAACT   12516
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m141102_iid=1228825_0      ------------------------------------------------------------   11951
m150504_iid=2876274_0      TAATTTTTAATTAATAAAAGAAAAATCCTAAATAAATTATTAACCAAAAAATATTAAACT   12589
m141030_iid=80036_0        ------------------------------------------------------------   11554
m150506_iid=2596494_0      ------------------------------------------------------------   10983
m150503_iid=2526862_0      TAATTTTTAATTAATAAAAGAAAAATCCTAAATAAATTATTAACCAAAAAATATTAAACT   12439
m150506_iid=2567000_0      TAATTTTTAATTAATAAAAGAAAAATCCTAAATAAATTATTAACCAAAAAATATTAAACT   10399
m150507_iid=3073271_0      ------------------------------------------------------------   11626
m150504_iid=3156087_0      ------------------------------------------------------------   11376
m150505_iid=2498502_0      TAATTTTTAATTAATAAAAGAAAAATCCTAAATAAATTATTAACCAAAAAATATTAAACT   9173
m141102_iid=754227_0       ------------------------------------------------------------   10254
m150507_iid=3469514_0      ------------------------------------------------------------   10241
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m150506_iid=3127414_0      CTATAGGGTCTTCTCTCGTCTT-TCAAAAAATTTGAACTTTTTAATTT-AAAATAAAATT   9255
m141102_iid=1245517_0      ------------------------------------------------------------   7295
m141107_iid=1405727_0      ------------------------------------------------------------   7315
m141102_iid=987614_0       CTATAGGGTCTTCTC--GTCTTTCAAAAAAATTTGAACTTTTTAATTCAAAAATAAAATT   11086
m141108_iid=1701429_0      CTATAGGGTCTTCTC--GTCTTTCAAAAAAATTTGAACTTTTTAATTCAAAAATAAAATT   7821
m141102_iid=987286_0       ------------------------------------------------------------   7493
m150430_iid=3272125_0      ------------------------------------------------------------   10013
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m141107_iid=1409934_0      ------------------------------------------------------------   10262
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m150503_iid=3416920_0      ------------------------------------------------------------   10188
m141108_iid=1800121_0      ------------------------------------------------------------   10617
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m150507_iid=3674924_0      ------------------------------------------------------------   10758
m150503_iid=2923751_0      ------------------------------------------------------------   10134
m141031_iid=115118_0       ------------------------------------------------------------   7981
m150430_iid=2722448_0      ------------------------------------------------------------   9403
m150507_iid=3102647_0      CTATAGGGTCTTCTC--GTCTTTCAAAAAAATTTGAACTTTTTAATTCAAAAATAAAATT   8227
m141108_iid=1811866_0      ------------------------------------------------------------   9038
m150501_iid=2948495_0      CTATAGGGTCTTCTC--GTCTTTCAAAAAAATTTGAACTTTTTAATTCAAAAATAAAATT   9520
m150504_iid=3238195_0      ------------------------------------------------------------   10610
m150503_iid=3388511_0      CTATAGGGTCTTCTC--GTCTTTC-AAAAAAATTTGAACTTTTTAATTCAAAAATAAAATT   9566
m150505_iid=3777611_0      CTATAGGGTCTTCTC--GTCTTTCAAAAAAATTTGAACTTTTTAATTCAAAAATAAAATT   10994
m150430_iid=2438833_0      CTATAGGGTCTTCTC--GTCTTTCAAAAAAATTTGAACTTTTTAATTCAAAAATAAAATT   11321
m141108_iid=1698969_0      ------------------------------------------------------------   11147
m150430_iid=3059190_0      CTATAGGGTCTTCTC--GTCTTTCAAAAAAATTTGAACTTTTTAATTCAAAATAAAACA-   8182
m141107_iid=1383067_0      ------------------------------------------------------------   7061
m141101_iid=597008_0       CTATAGGGTCTTCTC--GTCTTTCAAAAAAATTTGAACTTTTTAATTCAAAAATAAAATT   5253
m150506_iid=2596496_0      ------------------------------------------------------------   10491
m141102_iid=910051_0       ------------------------------------------------------------   7428
m150505_iid=3784017_0      CTATAGGGTCTTCTC--GTCTTTCAAAAAAATTTGAACTTTTTAATTCAAAAATAAAATT   11104
m141101_iid=682151_0       CTATAGGGTCTTCTC--GTCTTTCAAAAAAATTTGAACTTTTTAATTCAAAAATAAAATT   10177
m150501_iid=3748029_0      CTATAGGGTCTTCTC--GTCTTTCAAAAAAATTTGAACTTTTTAATTCAAAAATAAAATT   10721
m150504_iid=2876272_0      CTATAGGGTCTTCTC--GTCTTTCAAAAAAA-TTGAACTTTTTAATTCAAAAATAAAATT   12573
NC_042820.1                CTATAGGGTCTTCTC--GTCTTTCAAAAAAATTTGAACTTTTTAATTCAAAAATAAAATT   12829
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m141030_iid=80036_0        ------------------------------------------------------------   11554
m150506_iid=2596494_0      ------------------------------------------------------------   10983
m150503_iid=2526862_0      CTATAGGGTCTTCTC--GTCTTTC-AAAAAATTTGAACTTTTTAATTC-AAAATAAAATT   12495
m150506_iid=2567000_0      CTATAGGGTCTTCTC--GTCTTTCAAAAAAATTTGAACTTTTTAATTCAAAAATAAAATT   10457
m150507_iid=3073271_0      ------------------------------------------------------------   11626
m150504_iid=3156087_0      ------------------------------------------------------------   11376
m150505_iid=2498502_0      CTATAGGGTCTTCTC--GTCTTTCAAAAAAATTTGAACTTTTTAATTCAAAAATAAAATT   9231
m141102_iid=754227_0       ------------------------------------------------------------   10254
m150507_iid=3469514_0      ------------------------------------------------------------   10241
Rdo_MitoGenome             CTATAGGGTCTTCTC--GTCTTTCAAAAAAATTTGAACTTTTTAATTCAAAAATAAAATT   12830
m141101_iid=614933_0       ------------------------------------------------------------   9134


m141031_iid=347546_0       CAAAAAATAAAGAATGAGACA---------------------------------------   7511
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m141102_iid=1245517_0      ------------------------------------------------------------   7295
m141107_iid=1405727_0      ------------------------------------------------------------   7315
m141102_iid=987614_0       CAAAAAATAAAGAATGAGACAAAACTCCCCTTGTCAAACCATTCATTCCAGCTTTCAATT   11146
m141108_iid=1701429_0      CAAAAAATAAAGAATGAGACAAAACTCCCCTTGTCAAACCATTCATTCCAGCTTTCAATT   7881
m141102_iid=987286_0       ------------------------------------------------------------   7493
m150430_iid=3272125_0      ------------------------------------------------------------   10013
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m141107_iid=1409934_0      ------------------------------------------------------------   10262
m150503_iid=3416920_0      ------------------------------------------------------------   10188
m141108_iid=1800121_0      ------------------------------------------------------------   10617
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m150507_iid=3674924_0      ------------------------------------------------------------   10758
m150503_iid=2923751_0      ------------------------------------------------------------   10134
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m150430_iid=2722448_0      ------------------------------------------------------------   9403
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m150504_iid=3238195_0      ------------------------------------------------------------   10610
m150503_iid=3388511_0      CAAAAAATAAAGAATGAGACAAAACTCCCCTTGTCAAACCATTCATTCCAGCTTTCAATT   9626
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m141108_iid=1698969_0      ------------------------------------------------------------   11147
m150430_iid=3059190_0      --A-AAATAAAGAA-TGAACAAAACTCCCCTTGTCAAACCATTCATTCCAGCTTTCAATT   8238
m141107_iid=1383067_0      ------------------------------------------------------------   7061
m141101_iid=597008_0       CAAAAAATAAAGAATGAGACAAAACTCCCCTTGTCAAACCATTCATTCCAGCTTTCAATT   5313
m150506_iid=2596496_0      ------------------------------------------------------------   10491
m141102_iid=910051_0       ------------------------------------------------------------   7428
m150505_iid=3784017_0      CAAAAAATAAAGAATGAGACAAAACTCCCCTTGTCAAACCATTCATTCCAGCTTTCAATT   11164
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m150501_iid=3748029_0      CAAAAAATAAAGAATGAGACAAAACTCCCCTTGTCAAACCATTCATTCCAGCTTTCAATT   10781
m150504_iid=2876272_0      CAAAAAATAAAGAATGAGACAAAACTCCCCTTGTCAAACCATTCATTCCAGCTTTCAATT   12633
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m150504_iid=2876274_0      CAAAAA--AAAGAATGAGACAAAACTCCCCTTGTCAAACCATTCATTCCAGCTTTCAATT   12704
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m150506_iid=2596494_0      ------------------------------------------------------------   10983
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m150506_iid=2567000_0      CAAAAAATAAAGAATGAGACAAAACTCCCCTTGTCAAACCATTCATTCCAGCTTTCAATT   10517
m150507_iid=3073271_0      ------------------------------------------------------------   11626
m150504_iid=3156087_0      ------------------------------------------------------------   11376
m150505_iid=2498502_0      CAAAAAATAAAGAATGAGACAAAACTCCCCTTGTCAAACCATTCATTCCAGCTTTCAATT   9291
m141102_iid=754227_0       ------------------------------------------------------------   10254
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m141031_iid=347546_0       ------------------------------------------------------------   7511
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m141107_iid=1405727_0      ------------------------------------------------------------   7315
m141102_iid=987614_0       AA-AAAACTAATGATTATGCTACCTTTGCACGGTTAAAATACCGC-GCCATTTAATTAAT   11204
m141108_iid=1701429_0      AA-AAAACTAATGATTATGCTACCTTTGCACGGTTAAAATACCGCGGAAA-----TTAAT   7935
m141102_iid=987286_0       ------------------------------------------------------------   7493
m150430_iid=3272125_0      ------------------------------------------------------------   10013
m141102_iid=754225_0       ------------------------------------------------------------   9952
m141107_iid=1409934_0      ------------------------------------------------------------   10262
m150503_iid=3416920_0      ------------------------------------------------------------   10188
m141108_iid=1800121_0      ------------------------------------------------------------   10617
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m150507_iid=3674924_0      ------------------------------------------------------------   10758
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m141031_iid=115118_0       ------------------------------------------------------------   7981
m150430_iid=2722448_0      ------------------------------------------------------------   9403
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m141108_iid=1811866_0      ------------------------------------------------------------   9038
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m150504_iid=3238195_0      ------------------------------------------------------------   10610
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m150505_iid=3777611_0      AA-AAAACTAATGATTATGCTACCTTTGCACGGTTAAAATACCGCGGCCATTTAATTAAT   11113
m150430_iid=2438833_0      AA-AAAACTAATGATTATGCTACCTTTGCACGGTTAAAATACCGCGGCCATTTAATTAAT   11440
m141108_iid=1698969_0      ------------------------------------------------------------   11147
m150430_iid=3059190_0      AAAAAAACTAATGATTATGCTACCTTTGCACGGTTAAAATACCGCGGCCATTTAATTAAT   8298
m141107_iid=1383067_0      ------------------------------------------------------------   7061
m141101_iid=597008_0       AA-AAAACTAATGATTATGCTACCTTTGCACGGTTAAAATACCGCGGCCATTTAATTAAT   5372
m150506_iid=2596496_0      ------------------------------------------------------------   10491
m141102_iid=910051_0       ------------------------------------------------------------   7428
m150505_iid=3784017_0      AA-AAAACTAATGATTATGCTACCTTTGCACGGTTAAAATACCGCGGCCATTTAATTAAT   11223
m141101_iid=682151_0       AA-AAAACTAATGATTATGCTACCTTTGCACGGTTAAAATACCGCGGCCATTTAATTAAT   10296
m150501_iid=3748029_0      AA-AAAACTAATGATTATGCTACCTTTGCACGGTTAAAATACCGCGGCCATTTAATTAAT   10840
m150504_iid=2876272_0      AA-AAAACTAATGATTATGCTACCTTTGCACGGTTAAAATACCGCGGCCATTTAATTAAT   12692
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m141030_iid=80036_0        ------------------------------------------------------------   11554
m150506_iid=2596494_0      ------------------------------------------------------------   10983
m150503_iid=2526862_0      AA-AAAACTAATGATTATGCTACCTTTGCACGGTTAAAATACCGCGGCCATTTAATTAAT   12614
m150506_iid=2567000_0      AA-AAAACTAATGATTATGCTACCTTTGCACGGTTAAAATACCGCGGCCATTTAATTAAT   10576
m150507_iid=3073271_0      ------------------------------------------------------------   11626
m150504_iid=3156087_0      ------------------------------------------------------------   11376
m150505_iid=2498502_0      AA-AAAACTAATGATTATGCTACCTTTGCACGGTTAAAATACCGCGGCCATTTAATTAAT   9350
m141102_iid=754227_0       ------------------------------------------------------------   10254
m150507_iid=3469514_0      ------------------------------------------------------------   10241
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m141101_iid=614933_0       ------------------------------------------------------------   9134


m141031_iid=347546_0       ------------------------------------------------------------   7511
m150506_iid=3127414_0      CATTGGGCAGGCCAGACTTTAAAATATAATCAAAAAGACATGTTTTTAATAAACAGGCAA   9431
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m141107_iid=1405727_0      ------------------------------------------------------------   7315
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m141108_iid=1701429_0      CATTGGGCAGGCCAGACTTTAAAATATAATCAAAAAGACATGTTTT-AATAAACAGGCAA   7994
m141102_iid=987286_0       ------------------------------------------------------------   7493
m150430_iid=3272125_0      ------------------------------------------------------------   10013
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m141107_iid=1409934_0      ------------------------------------------------------------   10262
m150503_iid=3416920_0      ------------------------------------------------------------   10188
m141108_iid=1800121_0      ------------------------------------------------------------   10617
m141031_iid=147540_0       CATTGGGCAGGCCAGACTTTAAAATATAATCAAAAAGACATGTTTTTAATAAACAGGCAA   11335
m150507_iid=3674924_0      ------------------------------------------------------------   10758
m150503_iid=2923751_0      ------------------------------------------------------------   10134
m141031_iid=115118_0       ------------------------------------------------------------   7981
m150430_iid=2722448_0      ------------------------------------------------------------   9403
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m141108_iid=1811866_0      ------------------------------------------------------------   9038
m150501_iid=2948495_0      CATTGGGCAGGCCAGACTTTAAAATATAATCAAAAAGACATGTTTTTAATAAACAGGCAA   9699
m150504_iid=3238195_0      ------------------------------------------------------------   10610
m150503_iid=3388511_0      CATTGGGCAGGCCAGACTTTAAAATATAATCAAAAAGACATGTTTTTAATAAACAGGCAA   9745
m150505_iid=3777611_0      CATTGGGCAGGCCAGACTTTAAAATATAATCAAAAAGACATGTTTTTAATAAACAGGCAA   11173
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m141108_iid=1698969_0      ------------------------------------------------------------   11147
m150430_iid=3059190_0      CATTGGGCAGGCCAGACTTTAA-ATATAATCAAAAAGACATGTTTTTAATAAACAGGCAA   8357
m141107_iid=1383067_0      ------------------------------------------------------------   7061
m141101_iid=597008_0       CATTGGGCAGGCCAGACTTTAAAATATAATCAAAAAGACATGTTTTTAATAAACAGGCAA   5432
m150506_iid=2596496_0      ------------------------------------------------------------   10491
m141102_iid=910051_0       ------------------------------------------------------------   7428
m150505_iid=3784017_0      CATTGGGCAGGCCAGACTTTAAAATATAATCAAAAAGACATGTTTTTAATAAACAGGCAA   11283
m141101_iid=682151_0       CATTGGGCAGGCCAGACTTTAAAATATAATCAAAAAGACATGTTTTTAATAAACAGGCAA   10356
m150501_iid=3748029_0      CATTGGGCAGGCCAGACTTTAAAATATAATCAAAAAGACATGTTTTTAATAAACAGGCAA   10900
m150504_iid=2876272_0      CATTGGGCAGGCCAGACTTTAAAATATAATCAAAAAGACATGTTTTTAATAAACAGGCAA   12752
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m150504_iid=2876274_0      CATTGGGCAGGCCAGACTTTAAAATATAATCAAAAAGACATGTTTTTAATAAACAGGCAA   12823
m141030_iid=80036_0        ------------------------------------------------------------   11554
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m150507_iid=3073271_0      ------------------------------------------------------------   11626
m150504_iid=3156087_0      ------------------------------------------------------------   11376
m150505_iid=2498502_0      CATT-GGCAGGCCAGACTTTAAAATATAATCAAAAAGACATGTTTTTAATAAACAGGCAA   9409
m141102_iid=754227_0       ------------------------------------------------------------   10254
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m141101_iid=614933_0       ------------------------------------------------------------   9134


m141031_iid=347546_0       ------------------------------------------------------------   7511
m150506_iid=3127414_0      GAGAGAAAGTCGAGTTCCTTA-AACTCTTCTGAAAATAAACAAAAAATACAAAAACCATT   9490
m141102_iid=1245517_0      ------------------------------------------------------------   7295
m141107_iid=1405727_0      ------------------------------------------------------------   7315
m141102_iid=987614_0       GAGAGAAAGTCGAGTTCCTTA-AACTCTTCTGAAAATAAACAAAAAATACAAAAACCATT   11322
m141108_iid=1701429_0      GAGAGAAAGTCGAGTTCCTTA-AACTCTTCTGAAAATAAACAAAAAATACAAAAACCATT   8053
m141102_iid=987286_0       ------------------------------------------------------------   7493
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m150503_iid=3416920_0      ------------------------------------------------------------   10188
m141108_iid=1800121_0      ------------------------------------------------------------   10617
m141031_iid=147540_0       GAGAGAAAGTCGAGTTCCTTA-AACTCTTCTGAAAATAAACAAAAAATACAAAAACCATT   11394
m150507_iid=3674924_0      ------------------------------------------------------------   10758
m150503_iid=2923751_0      ------------------------------------------------------------   10134
m141031_iid=115118_0       ------------------------------------------------------------   7981
m150430_iid=2722448_0      ------------------------------------------------------------   9403
m150507_iid=3102647_0      GAGAGAAAGTCGAGTTCCTTA-AACTCTTCTGAAAATAAACAAAAAATACAAAAACCATT   8465
m141108_iid=1811866_0      ------------------------------------------------------------   9038
m150501_iid=2948495_0      GAGAGAAAGTCGAGTTCCTTA-AACTCTTCTGAAAATAAACAAAAAATACAAAAACCATT   9758
m150504_iid=3238195_0      ------------------------------------------------------------   10610
m150503_iid=3388511_0      GAGAGAAAGTCGAGTTCCTTA-AACTCTTCTGAAAATAAACAAAAAA-ACAAAAACCATT   9803
m150505_iid=3777611_0      GAGAGAAAGTCGAGTTCCTTA-AACTCTTCTGAAAATAA--AAAAAATACAAAAACCATT   11230
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m150430_iid=3059190_0      GAGAGAAAGTCGAGTTCCTTAAATCTCTTCTGAAAAATAAACAAAAATACAAAAACCATT   8417
m141107_iid=1383067_0      ------------------------------------------------------------   7061
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m150506_iid=2596496_0      ------------------------------------------------------------   10491
m141102_iid=910051_0       ------------------------------------------------------------   7428
m150505_iid=3784017_0      GAGAGAAAGTCGAGTTCCTTA-AACTCTTCTGAAAATAAACAAAAAATACAAAAACCATT   11342
m141101_iid=682151_0       GAGAGAAAGTCGAGTTCCTTA-AACTCTTCTGAAAATAAAC-AAAAATACAAAAACCATT   10414
m150501_iid=3748029_0      GAGAGAAAGTCGAGTTCCTTA-AACTCTTCTGAAAATAAACAAAAAATACAAAAACCATT   10959
m150504_iid=2876272_0      GAGAGAAAGTCGAGTTCCTTA-AACTCTTCTGAAAATAAACAAAAAATACAAAAACCATT   12811
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m141030_iid=80036_0        ------------------------------------------------------------   11554
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m150503_iid=2526862_0      GAGAGAAAGTCGAGTTCCTTA-AACTCTTCTGAAAATAAACAAAAAATACAAAAACCATT   12733
m150506_iid=2567000_0      GAGAGAAAGTCGAGTTCCTTA-AACTCTTCTGAAAATAAACAAAAAATACAAAAACCATT   10695
m150507_iid=3073271_0      ------------------------------------------------------------   11626
m150504_iid=3156087_0      ------------------------------------------------------------   11376
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m141102_iid=754227_0       ------------------------------------------------------------   10254
m150507_iid=3469514_0      ------------------------------------------------------------   10241
Rdo_MitoGenome             GAGAGAAAGTCGAGTTCCTTA-AACTCTTCTGAAAATAAACAAAAAATACAAAAACCATT   13068
m141101_iid=614933_0       ------------------------------------------------------------   9134


m141031_iid=347546_0       ------------------------------------------------------------   7511
m150506_iid=3127414_0      TACTAATTTAATCATAATAATAAA------AACATTATTAAATTAAATTTTAAATAAAAA   9544
m141102_iid=1245517_0      ------------------------------------------------------------   7295
m141107_iid=1405727_0      ------------------------------------------------------------   7315
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m141108_iid=1701429_0      TACTAATTTAATCATAATAAAATAAAAA---TTATTAAATTAAAATTTTAAATAAAAAAC   8110
m141102_iid=987286_0       ------------------------------------------------------------   7493
m150430_iid=3272125_0      ------------------------------------------------------------   10013
m141102_iid=754225_0       ------------------------------------------------------------   9952
m141107_iid=1409934_0      ------------------------------------------------------------   10262
m150503_iid=3416920_0      ------------------------------------------------------------   10188
m141108_iid=1800121_0      ------------------------------------------------------------   10617
m141031_iid=147540_0       TACTAATTTAATCATAATAAAATAAAAAC-ATTATTAAATTAAAATTTTAAATAAAAAAC   11453
m150507_iid=3674924_0      ------------------------------------------------------------   10758
m150503_iid=2923751_0      ------------------------------------------------------------   10134
m141031_iid=115118_0       ------------------------------------------------------------   7981
m150430_iid=2722448_0      ------------------------------------------------------------   9403
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m150501_iid=2948495_0      TACTAATTTAATCATAATAAAATAAAAAC-ATTATTAAATTAAAATTTTAAATAAAAAAC   9817
m150504_iid=3238195_0      ------------------------------------------------------------   10610
m150503_iid=3388511_0      TACTAATTTAATCATAATAAAATAAAAAC-ATTATTAAATTAAAATTTTAAAT-AAAAAC   9861
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m141030_iid=80036_0        ------------------------------------------------------------   11554
m150506_iid=2596494_0      ------------------------------------------------------------   10983
m150503_iid=2526862_0      TACTAATTTAATCATAATAAAATAAAAAC-ATTATTAAATTAAAATTTTAAAT-AAAAAC   12791
m150506_iid=2567000_0      TACTAATTTAATCATAATAAAATAAAAAC-ATTATTAAATTAAAATTTTAAATAAAAAAC   10754
m150507_iid=3073271_0      ------------------------------------------------------------   11626
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m150505_iid=2498502_0      TACTAATTTAATCATAATAAAATAAAAAC-ATTATTAAATTAAAATTTTAAATAAAAAAC   9527
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m141101_iid=614933_0      ------------------------------------------------------------   9134


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m141107_iid=1405727_0     ------------------------------------------------------------   7315
m141102_iid=987614_0      TTAAAATAAACAAAATATTTATTAAAAATAAGTAATTAAAACAT-ATAAAAATGAAAAAT   11441
m141108_iid=1701429_0     TTAAAATAAACAAAATATTATTAAAAAATAAGTAATTAAAACATAATAAAAATGAAAAAT   8170
m141102_iid=987286_0      ------------------------------------------------------------   7493
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m141107_iid=1409934_0     ------------------------------------------------------------   10262
m150503_iid=3416920_0     ------------------------------------------------------------   10188
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m150430_iid=2722448_0     ------------------------------------------------------------   9403
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m141108_iid=1698969_0     ------------------------------------------------------------   11147
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m141107_iid=1383067_0     ------------------------------------------------------------   7061
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m141102_iid=910051_0      ------------------------------------------------------------   7428
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m141030_iid=80036_0       ------------------------------------------------------------   11554
m150506_iid=2596494_0     ------------------------------------------------------------   10983
m150503_iid=2526862_0     TTAAAATAAAC-AAATATTATTAAAAAATAAGTAATTAAAACATAAT-AAAATGAAAAAT   12849
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m150507_iid=3073271_0     ------------------------------------------------------------   11626
m150504_iid=3156087_0     ------------------------------------------------------------   11376
m150505_iid=2498502_0     TTAAAATAAACAAAATATTATTAAAAAATAAGTAATTAAAACATAATAAAAATGAAAAAT   9587
m141102_iid=754227_0      ------------------------------------------------------------   10254
m150507_iid=3469514_0     ------------------------------------------------------------   10241
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m141101_iid=614933_0      ------------------------------------------------------------   9134


m141031_iid=347546_0      ------------------------------------------------------------   7511
m150506_iid=3127414_0     TTAATCC---TATTAAATTTTATATTAAAAAATTATAAATATATATTAAAAAGCTTAT-C   9660
m141102_iid=1245517_0     ------------------------------------------------------------   7295
m141107_iid=1405727_0     ------------------------------------------------------------   7315
m141102_iid=987614_0      TCTAATCCTATTAAATATTATAT----TAAAAAATTATAATTATATTAAAAAGCTTATCC   11497
m141108_iid=1701429_0     TCTAATCCTATTAAATATTTTATATTAAAAAATTATAAATATATATTAAAAAGCTTATCC   8230
m141102_iid=987286_0      ------------------------------------------------------------   7493
m150430_iid=3272125_0     ------------------------------------------------------------   10013
m141102_iid=754225_0      ------------------------------------------------------------   9952
m141107_iid=1409934_0     ------------------------------------------------------------   10262
m150503_iid=3416920_0     ------------------------------------------------------------   10188
m141108_iid=1800121_0     ------------------------------------------------------------   10617
m141031_iid=147540_0      TCTAATCCTATTAAATATTTTATATTAAAAAATTATAAATATATATTAAAAAGCTTATCC   11573
m150507_iid=3674924_0     ------------------------------------------------------------   10758
m150503_iid=2923751_0     ------------------------------------------------------------   10134
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m150430_iid=2722448_0     ------------------------------------------------------------   9403
m150507_iid=3102647_0     TCTAATCCTATTAAATATTTTATATTAA-AAATTATAAATATATATTAAAAAGCTTATCC   8641
m141108_iid=1811866_0     ------------------------------------------------------------   9038
m150501_iid=2948495_0     TCTAATCCTATTAAATATTTTATATTAAAAAATTATAAATATATA-TTAAAAGCTTATC-   9935
m150504_iid=3238195_0     ------------------------------------------------------------   10610
m150503_iid=3388511_0     TCTAATCCTATTAAA-TATTTTATATTAAAAATTATAAATATATATTAAAAAGCTTATCC   9980
m150505_iid=3777611_0     TCTAATCCTATTAA--AATTTTATATTAAAAATTATAAATATATATTAAAAAGCTTATCC   11407
m150430_iid=2438833_0     TCTAATCCTATTAAATATTTTATATTAAAAAATTATAAATATATATTAAAAAGCTTATCC   11738
m141108_iid=1698969_0     ------------------------------------------------------------   11147
m150430_iid=3059190_0     TCTAATCCTATTAAATATTTTATATTAAAAA---ATAAATATATATTAAAAAGCTTATCC   8593
m141107_iid=1383067_0     ------------------------------------------------------------   7061
m141101_iid=597008_0      TCTAATCCTATTAAATATTTTATATTAAAAAATTATAAATATATATTAAAAAGCTTATCC   5670
m150506_iid=2596496_0     ------------------------------------------------------------   10491
m141102_iid=910051_0      ------------------------------------------------------------   7428
m150505_iid=3784017_0     TCTAATCCTATTAAATATTTTATATTAAAAAATTATAAATATATATTAAAAAGCTTATCC   11521
m141101_iid=682151_0      TCTAATCCTATTAAATATTTTATATTAAAAAATTATAAATATATATTAAAAAGCTTATCC   10591
m150501_iid=3748029_0     TCTAATCCTATTAAATATTTTATATTAAAAAATTATAAATATATATTAAAAAGCTTATCC   11137
m150504_iid=2876272_0     TCTAATCCTATTAAATATTTTATATTAAAAAATTATAAATATATATTAAAAAGCTTATCC   12988
NC_042820.1               TCTAATCCTATTAAATATTTTATATTAAAAAATTATAAATATATATTAAAAAGCTTATCC   13246
m141102_iid=1228825_0     ------------------------------------------------------------   11951
m150504_iid=2876274_0     TCTAATCCTATTAAATATTTTATATTAAAAAATTATAAATATATATTAAAAAGCTTATCC   13061
m141030_iid=80036_0       ------------------------------------------------------------   11554
m150506_iid=2596494_0     ------------------------------------------------------------   10983
m150503_iid=2526862_0     TCTAATCCTATTAAATATTTTATATTAAAAAATTATAAATATATATTAAAAAGCTTATCC   12909
m150506_iid=2567000_0     TCTAATCCTATTAAATATTTTATATTAAAAAATTATAAATATATATTAAAAAGCTTATCC   10874
m150507_iid=3073271_0     ------------------------------------------------------------   11626
m150504_iid=3156087_0     ------------------------------------------------------------   11376
m150505_iid=2498502_0     TCTAATCCTATTAAATATTTTATATTAAAAAATTATAAATATATATTAAAAAGCTTATCC   9647
m141102_iid=754227_0      ------------------------------------------------------------   10254
m150507_iid=3469514_0     ------------------------------------------------------------   10241
Rdo_MitoGenome            TCTAATCCTATTAAATATTTTATATTAAAAAATTATAAATATATATTAAAAAGCTTATCC   13247
m141101_iid=614933_0      ------------------------------------------------------------   9134


m141031_iid=347546_0      ------------------------------------------------------------   7511
m150506_iid=3127414_0     CCTTTAATATTTAAGCTCATAAG--AAAAATTATCAATAAAAAATCTTTCCTAAAGAACA   9718
m141102_iid=1245517_0     ------------------------------------------------------------   7295
m141107_iid=1405727_0     ------------------------------------------------------------   7315
m141102_iid=987614_0      CCTTTAATATTTAAGCTCATAAG-AAAAAATTATCAATAAAAAATCTTTCCTAAAGAACA   11556
m141108_iid=1701429_0     CCTTTAATATTTAAGCTCATAAGAAAAAAATTATCAATAAAAAATCTTTCCTAAAGAACA   8290
m141102_iid=987286_0      ------------------------------------------------------------   7493
m150430_iid=3272125_0     ------------------------------------------------------------   10013
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m150503_iid=3416920_0     ------------------------------------------------------------   10188
m141108_iid=1800121_0     ------------------------------------------------------------   10617
m141031_iid=147540_0      CCTTTAATATTTAAGCTCATAAGAAAAAAATTATCAATAAAAAATCTTTCCTAAAGAACA   11633
m150507_iid=3674924_0     ------------------------------------------------------------   10758
m150503_iid=2923751_0     ------------------------------------------------------------   10134
m141031_iid=115118_0      ------------------------------------------------------------   7981
m150430_iid=2722448_0     ------------------------------------------------------------   9403
m150507_iid=3102647_0     CCTTTAATATTTAAGCTCATAAGAAAAAAATTATCAATAAAAAATCTTTCCTAAAGAACA   8701
m141108_iid=1811866_0     ------------------------------------------------------------   9038
m150501_iid=2948495_0     CCTTTAATATTTAAGCTCATAAGAAAAAAATTATCAATAAAAAATCTTTCCTAAAGAACA   9995
m150504_iid=3238195_0     ------------------------------------------------------------   10610
m150503_iid=3388511_0     CCTTTAATATTTAAGCTCATAAGAAAAAAATTATCAAT-AAAAATCTTTCCTAAAGAACA   10039
m150505_iid=3777611_0     CCTTTAATATTTAAGCTCATAAGAAAAAAATTATCAATAAAAAATCTTTCCTAAAGAACA   11467
m150430_iid=2438833_0     CCTTTAATATTTAAGCTCATAAGAAAAAAATTATCAATAAAAAATCTTTCCTAAAGAACA   11798
m141108_iid=1698969_0     ------------------------------------------------------------   11147
m150430_iid=3059190_0     CCTTTAATATTTAAGCTCATAAGAAAA-AATTATCAATAAAAAATCTTTCCTAAAGAACA   8652
m141107_iid=1383067_0     ------------------------------------------------------------   7061
m141101_iid=597008_0      CCTTTAATATTTAAGCTCATAAGAAAA-AATTATCAATAAAAAATCTTTCCTAAAGAACA   5729
m150506_iid=2596496_0     ------------------------------------------------------------   10491
m141102_iid=910051_0      ------------------------------------------------------------   7428
m150505_iid=3784017_0     CCTTTAATATTTAAGCTCATAAGAAAAAAATTATCAAT-AAAAATCTTTCCTAAAGAACA   11580
m141101_iid=682151_0      CCTTTAATATTTAAGCTCATAAGAAAAAAATTATCAAT-AAAAATCTTTCCTAAAGAACA   10650
m150501_iid=3748029_0     CCTTTAATATTTAAGCTCATAAGAAAAAAATTATCAATAAAAAATCTTTCCTAAAGAACA   11197
m150504_iid=2876272_0     CCTTTAATATTTAAGCTCATAAGAAAAAAATTATCAATAAAAAATCTTTCCTAAAGAACA   13048
NC_042820.1               CCTTTAATATTTAAGCTCATAAGAAAAAAATTATCAATAAAAAATCTTTCCTAAAGAACA   13306
m141102_iid=1228825_0     ------------------------------------------------------------   11951
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m150504_iid=2876274_0      CCTTTAATATTTAAGCTCATAAGAAAAAAATTATCAATAAAAAATCTTTCCTAAAGAACA   13121
m141030_iid=80036_0        ------------------------------------------------------------   11554
m150506_iid=2596494_0      ------------------------------------------------------------   10983
m150503_iid=2526862_0      CCTTTAATATTTAAGCTCATAAGAAAAAAATTATCAATAAAAAATCTTTCCTAAAGAACA   12969
m150506_iid=2567000_0      CCTTTAATATTTAAGCTCATAAGAAAAAAATTATCAATAAAAAATCTTTCCTAAAGAACA   10934
m150507_iid=3073271_0      ------------------------------------------------------------   11626
m150504_iid=3156087_0      ------------------------------------------------------------   11376
m150505_iid=2498502_0      CCTTTAATATTTAAGCTCATAAGAAAAAAATTATCAATAAAAAATCTTTCCTAAAGAACA   9707
m141102_iid=754227_0       ------------------------------------------------------------   10254
m150507_iid=3469514_0      ------------------------------------------------------------   10241
Rdo_MitoGenome             CCTTTAATATTTAAGCTCATAAGAAAAAAATTATCAATAAAAAATCTTTCCTAAAGAACA   13307
m141101_iid=614933_0       ------------------------------------------------------------   9134


m141031_iid=347546_0       ------------------------------------------------------------   7511
m150506_iid=3127414_0      TAAAATTTAATTTTT---TATTTAAAACCAGATATATCAAA--ACGAATTACATTTCAAA   9773
m141102_iid=1245517_0      ------------------------------------------------------------   7295
m141107_iid=1405727_0      ------------------------------------------------------------   7315
m141102_iid=987614_0       TAAAATTTAATTT--TTTATTTAAAAACCAGATATATCAAAAGACGAATTACATTTCAAA   11614
m141108_iid=1701429_0      TAAAATTTAATTT--TTTATTTAAAAACCAGATATATCAAAAGACGAATTACATTTCAAA   8348
m141102_iid=987286_0       ------------------------------------------------------------   7493
m150430_iid=3272125_0      ------------------------------------------------------------   10013
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m141107_iid=1409934_0      ------------------------------------------------------------   10262
m150503_iid=3416920_0      ------------------------------------------------------------   10188
m141108_iid=1800121_0      ------------------------------------------------------------   10617
m141031_iid=147540_0       TAAAATTTAATTTTTTT-ATTTAAAAACCAGATATATCAAAAGACGAATTACATTTCAAA   11692
m150507_iid=3674924_0      ------------------------------------------------------------   10758
m150503_iid=2923751_0      ------------------------------------------------------------   10134
m141031_iid=115118_0       ------------------------------------------------------------   7981
m150430_iid=2722448_0      ------------------------------------------------------------   9403
m150507_iid=3102647_0      TAAAATTTAATTTT-TTTATTTAAAAACCAGATATATCAAAAGACGAATTACATTTCAAA   8760
m141108_iid=1811866_0      ------------------------------------------------------------   9038
m150501_iid=2948495_0      TAAAATTTAATTTT-TTTATTTAAAAACCAGATATATCAAAAGACGAATTACATTTCAAA   10054
m150504_iid=3238195_0      ------------------------------------------------------------   10610
m150503_iid=3388511_0      TAAAATTTAATTTTTTT-ATTTAAAAACCAGATATATCAAAAGACGAATTACATTTCAAA   10098
m150505_iid=3777611_0      TAAAATTTAATTTTTTT-ATTTAAAAACCAGATATATCAAAAGACGAATTACATTTCAAA   11526
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m141108_iid=1698969_0      ------------------------------------------------------------   11147
m150430_iid=3059190_0      TAAAATTTAATTTTTTTATTTAAAAAACCAGATATATCAAAAGACGAATTACATTTCAAA   8712
m141107_iid=1383067_0      ------------------------------------------------------------   7061
m141101_iid=597008_0       TAAAATTTAATTTTTTT-ATTTAAAAACCAGATATATCAAAAGACGAATTACATTTCAAA   5788
m150506_iid=2596496_0      ------------------------------------------------------------   10491
m141102_iid=910051_0       ------------------------------------------------------------   7428
m150505_iid=3784017_0      TAAAATTTAATTTTTTT-ATTTAAAAACCAGATATATCAAAAGACGAATTACATTTCAAA   11639
m141101_iid=682151_0       TAAAATTTAATTTTTTT-ATTTAAAAACCAGATATATCAAAAGACGAATTACATTTCAAA   10709
m150501_iid=3748029_0      TAAAATTTAATTTTTTT-ATTTAAAAACCAGATATATCAAAAGACGAATTACATTTCAAA   11256
m150504_iid=2876272_0      TAAAATTTAATTTTTTT-ATTTAAAAACCAGATATATCAAAAGACGAATTACATTTCAAA   13107
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m141102_iid=1228825_0      ------------------------------------------------------------   11951
m150504_iid=2876274_0      TAAAATTTAATTTTTTT-ATTTAAAAACCAGATATATCAAAAGACGAATTACATTTCAAA   13180
m141030_iid=80036_0        ------------------------------------------------------------   11554
m150506_iid=2596494_0      ------------------------------------------------------------   10983
m150503_iid=2526862_0      TAAAATTTAATTTTTTT-ATTTAAAAACCAGATATATCAAAAGACGAATTACATTTCAAA   13028
m150506_iid=2567000_0      TAAAATTTAATTTTTTT-ATTTAAAAACCAGATATATCAAAAGACGAATTACATTTCAAA   10993
m150507_iid=3073271_0      ------------------------------------------------------------   11626
m150504_iid=3156087_0      ------------------------------------------------------------   11376
m150505_iid=2498502_0      TAAAATTTAATT-TTTT-ATTTAAAAACCAGATATATCAAAAGACGAATTACATTTCAAA   9765
m141102_iid=754227_0       ------------------------------------------------------------   10254
m150507_iid=3469514_0      ------------------------------------------------------------   10241
Rdo_MitoGenome             TAAAATTTAATTTTTTT-ATTTAAAAACCAGATATATCAAAAGACGAATTACATTTCAAA   13366
m141101_iid=614933_0       ------------------------------------------------------------   9134


m141031_iid=347546_0       ------------------------------------------------------------   7511
m150506_iid=3127414_0      TCAAAATTAATATTATAAATTATTA-TTCAACATAAAAATTTAT-AAAAATTAACTCCTT   9831
m141102_iid=1245517_0      ------------------------------------------------------------   7295
m141107_iid=1405727_0      ------------------------------------------------------------   7315
m141102_iid=987614_0       TCAAAATTAATATTATAAATTATTATTTCAACATAAAAATTTATAAAAAATTAACTCCTT   11674
m141108_iid=1701429_0      TCAAAATTAATATTATAAATTATTA-TTCAACATAAAAATTTAT-AAAAATTAACTCCTT   8406
m141102_iid=987286_0       ------------------------------------------------------------   7493
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m150430_iid=3272125_0      ------------------------------------------------------------   10013
m141102_iid=754225_0       ------------------------------------------------------------   9952
m141107_iid=1409934_0      ------------------------------------------------------------   10262
m150503_iid=3416920_0      ------------------------------------------------------------   10188
m141108_iid=1800121_0      ------------------------------------------------------------   10617
m141031_iid=147540_0       TCAAAATTAATATTATAAATTATTA-TTCAACATAAAAATTTATAAAAAATTAACTCCTT   11751
m150507_iid=3674924_0      ------------------------------------------------------------   10758
m150503_iid=2923751_0      ------------------------------------------------------------   10134
m141031_iid=115118_0       ------------------------------------------------------------   7981
m150430_iid=2722448_0      ------------------------------------------------------------   9403
m150507_iid=3102647_0      TCAAAATTAATATTATAAATTATTA-TTCAACATAAAAATTTATAAAAAATTAACTCCTT   8819
m141108_iid=1811866_0      ------------------------------------------------------------   9038
m150501_iid=2948495_0      TCAAAATTAATATTATAAATTATTA-TTCAACATAAAAATTTATAAAAAATTAACTCCTT   10113
m150504_iid=3238195_0      ------------------------------------------------------------   10610
m150503_iid=3388511_0      TCAAAATTAATATTATAAATTATTA-TTCAACATAAAAATTTATAAAAAATTAACTCCTT   10157
m150505_iid=3777611_0      TCAAAATTAATATTATAAATTATTA-TTCAACATAAAAATTTATAAAAAATTAACTCCTT   11585
m150430_iid=2438833_0      TCAAAATTAATATTATAAATTATTA-TTCAACATAAAAATTTATAAAAAATTAACTCCTT   11914
m141108_iid=1698969_0      ------------------------------------------------------------   11147
m150430_iid=3059190_0      TCAAAATTAATATTATAAATTATTA-TTCAACATAAAAATTTATAAAAAATTAACTCCTT   8771
m141107_iid=1383067_0      ------------------------------------------------------------   7061
m141101_iid=597008_0       TCAAAATTAATATTATAAATTATTA-TTCAACATAAAAATTTATAAAAAATTAACTCCTT   5847
m150506_iid=2596496_0      ------------------------------------------------------------   10491
m141102_iid=910051_0       ------------------------------------------------------------   7428
m150505_iid=3784017_0      TCAAAATTAATATTATAAATTATTA-TTCAACATAAAAATTTATAAAAAATTAACTCCTT   11698
m141101_iid=682151_0       TCAAAATTAATATTATAAATTATTA-TTCAACATAAAAATTTATAAAAAATTAACTCCTT   10768
m150501_iid=3748029_0      TCAAAATTAATATTATAAATTATTA-TTCAACATAAAAATTTATAAAAAATTAACTCCTT   11315
m150504_iid=2876272_0      TCAAAATTAATATTATAAATTATTA-TTCAACATAAAAATTTATAAAAAATTAACTCCTT   13166
NC_042820.1                TCAAAATTAATATTATAAATTATTA-TTCAACATAAAAATTTATAAAAAATTAACTCCTT   13424
m141102_iid=1228825_0      ------------------------------------------------------------   11951
m150504_iid=2876274_0      TCAAAATTAATATTATAAATTATTA-TTCAACATAAAAATTTATAAAAAATTAACTCCTT   13239
m141030_iid=80036_0        ------------------------------------------------------------   11554
m150506_iid=2596494_0      ------------------------------------------------------------   10983
m150503_iid=2526862_0      TCAAAATTAATATTATAAATTATTA-TTCAACATAAAAATTTATAAAAAATTAACTCCTT   13087
m150506_iid=2567000_0      TCAAAATTAATATTATAAATTATTA-TTCAACATAAAAATTTATAAAAAATTAACTCCTT   11052
m150507_iid=3073271_0      ------------------------------------------------------------   11626
m150504_iid=3156087_0      ------------------------------------------------------------   11376
m150505_iid=2498502_0      TCAAAATTAATATTATAAATTATTA-TTCAACATAAAAATTTATAAAAAATTAACTCCTT   9824
m141102_iid=754227_0       ------------------------------------------------------------   10254
m150507_iid=3469514_0      ------------------------------------------------------------   10241
Rdo_MitoGenome             TCAAAATTAATATTATAAATTATTA-TTCAACATAAAAATTTATAAAAAATTAACTCCTT   13425
m141101_iid=614933_0       ------------------------------------------------------------   9134


m141031_iid=347546_0       ------------------------------------------------------------   7511
m150506_iid=3127414_0      TTGATTCGGGATTAATATATACATATAAAAAAATTAATCAACCCTGATACACAAGGTACA   9891
m141102_iid=1245517_0      ------------------------------------------------------------   7295
m141107_iid=1405727_0      ------------------------------------------------------------   7315
m141102_iid=987614_0       TTGATTCGGGATTAATATATACATAT-AAAAAATTAATCAACCCTGATACACAAGGTACA   11733
m141108_iid=1701429_0      TTGATTCGGGATTAATATATACATATAAAAAAATTAATCAACCCTGATACACAAGGTACA   8466
m141102_iid=987286_0       ------------------------------------------------------------   7493
m150430_iid=3272125_0      ------------------------------------------------------------   10013
m141102_iid=754225_0       ------------------------------------------------------------   9952
m141107_iid=1409934_0      ------------------------------------------------------------   10262
m150503_iid=3416920_0      ------------------------------------------------------------   10188
m141108_iid=1800121_0      ------------------------------------------------------------   10617
m141031_iid=147540_0       TTGATTCGGGATTAATATATACATATAAA------------------------------   11780
m150507_iid=3674924_0      ------------------------------------------------------------   10758
m150503_iid=2923751_0      ------------------------------------------------------------   10134
m141031_iid=115118_0       ------------------------------------------------------------   7981
m150430_iid=2722448_0      ------------------------------------------------------------   9403
m150507_iid=3102647_0      TTGATTCGGGATTAATATATACATATAAAAAAATTAATCAACCCTGATACACAAGGTACA   8879
m141108_iid=1811866_0      ------------------------------------------------------------   9038
m150501_iid=2948495_0      TTGATTCGGGATTAATATATACATATAAAAAAATTAATCAACCCTGATACACAAGGTACA   10173
m150504_iid=3238195_0      ------------------------------------------------------------   10610
m150503_iid=3388511_0      TTGATTCGGGATTAATATATACATATAAAAAAATTAATCAACCCTGATACACAAGGTACA   10217
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m141108_iid=1698969_0      ------------------------------------------------------------   11147
m150430_iid=3059190_0      TTGATTCGGGATTAATATATACATATAAAAAAATTAATCAACCCTGATACACAAGGTACA   8831
m141107_iid=1383067_0      ------------------------------------------------------------   7061
m141101_iid=597008_0       TTGATTCGGGATTAATATATACATATAAAAAAATTAATCAACCCTGATACACAAGGTACA   5907
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m150506_iid=2596496_0      ------------------------------------------------------------   10491
m141102_iid=910051_0       ------------------------------------------------------------   7428
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m141101_iid=682151_0       TTGATTCGGGATTAATATATACATATAAAAAAATTAATCAACCCTGATACACAAGGTACA   10828
m150501_iid=3748029_0      TTGATTCGGGATTAATATATACATATAAAAAAATTAATCAACCCTGATACACAAGGTACA   11375
m150504_iid=2876272_0      TTGATTCGGGATTAATATATACATATAAAAAAATTAATCAACCCTGATACACAAGGTACA   13226
NC_042820.1                TTGATTCGGGATTAATATATACATATAAAAAAATTAATCAACCCTGATACACAAGGTACA   13484
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m150504_iid=2876274_0      TTGATTCGGGATTAATATATACATATAAAAAAATTAATCAACCCTGATACACAAGGTACA   13299
m141030_iid=80036_0        ------------------------------------------------------------   11554
m150506_iid=2596494_0      ------------------------------------------------------------   10983
m150503_iid=2526862_0      TTGATTCGGGATTAATATAT-CATATAAAAAAATTAATCAACCCTGATACACAAGGTACA   13146
m150506_iid=2567000_0      TTGATTCGGGATTAATATATACATATAAAAAAATTAATCAACCCTGATACACAAGGTACA   11112
m150507_iid=3073271_0      ------------------------------------------------------------   11626
m150504_iid=3156087_0      ------------------------------------------------------------   11376
m150505_iid=2498502_0      TTGATTCGGGATTAATATATACATATAAAAAAATTAATCAACCCTGATACACAAGGTACA   9884
m141102_iid=754227_0       ------------------------------------------------------------   10254
m150507_iid=3469514_0      ------------------------------------------------------------   10241
Rdo_MitoGenome             TTGATTCGGGATTAATATATACATATAAAAAAATTAATCAACCCTGATACACAAGGTACA   13485
m141101_iid=614933_0       ------------------------------------------------------------   9134


m141031_iid=347546_0       ------------------------------------------------------------   7511
m150506_iid=3127414_0      ACAAATAAAATTTTCTTTGTCAATAATATATAATAAACCTTCACAGTACAAAAAAATAAT   9951
m141102_iid=1245517_0      ------------------------------------------------------------   7295
m141107_iid=1405727_0      ------------------------------------------------------------   7315
m141102_iid=987614_0       AACAATAAAATTTTCTTTGTCAATAATATATAATAAACCTTCACAGTACAAAAAAATAAT   11793
m141108_iid=1701429_0      ACAAATAAAATTTTCTTTGTCAATAAA-TATAATAAACCTTCACAGTACAAAAAATAATT   8525
m141102_iid=987286_0       ------------------------------------------------------------   7493
m150430_iid=3272125_0      ------------------------------------------------------------   10013
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m141107_iid=1409934_0      ------------------------------------------------------------   10262
m150503_iid=3416920_0      ------------------------------------------------------------   10188
m141108_iid=1800121_0      ------------------------------------------------------------   10617
m141031_iid=147540_0       ------------------------------------------------------------   11780
m150507_iid=3674924_0      ------------------------------------------------------------   10758
m150503_iid=2923751_0      ------------------------------------------------------------   10134
m141031_iid=115118_0       ------------------------------------------------------------   7981
m150430_iid=2722448_0      ------------------------------------------------------------   9403
m150507_iid=3102647_0      ACAAATAAAATTTTCTTTGTCAATAATATATAATAAACCTTCACAGTACAAAAAAATAAT   8939
m141108_iid=1811866_0      ------------------------------------------------------------   9038
m150501_iid=2948495_0      ACAAATAAAATTTTCTTTGTCAATAATATATAATAAACCTTCACAGTACAAAAATAAT--   10231
m150504_iid=3238195_0      ------------------------------------------------------------   10610
m150503_iid=3388511_0      ACAAATAAAATTTTCTTTGTCAATAATATATAATAAACCTTCACAGTACAAAAAAATAAT   10277
m150505_iid=3777611_0      ACAAATAAAATTTTCTTTGTCAATAATATATAATAAACCTTCACAGTA-AAAAAAAAATA   11704
m150430_iid=2438833_0      ACAAATAAAATTTTCTTTGTCAATAATATATAATAAACCTTCACAGTACAAAAAAATAAT   12034
m141108_iid=1698969_0      ------------------------------------------------------------   11147
m150430_iid=3059190_0      ACAAATAAAATTTTCTTTGTCAATAATA--TAATAAACCTTCACAGTACAAAAAAATAAT   8889
m141107_iid=1383067_0      ------------------------------------------------------------   7061
m141101_iid=597008_0       ACAAATAAAATTTTCTTTGTCAATAATATATAATAAACCTTCACAGTACAAAAAAATAAT   5967
m150506_iid=2596496_0      ------------------------------------------------------------   10491
m141102_iid=910051_0       ------------------------------------------------------------   7428
m150505_iid=3784017_0      ACAAATAAAATTTTCTTTGTCAATAATATATAATAAACCTTCACAGTAC-AAAAAATAAT   11817
m141101_iid=682151_0       ACAAATAAAATTTTCTTTGTCAATAATATATAATAAACCTTCACAGTAC-AAAAAATAAT   10887
m150501_iid=3748029_0      ACAAATAAAATTTTCTTTGTCAATAATATATAATAAACCTTCACAGTACAAAAAAATAAT   11435
m150504_iid=2876272_0      ACAAATAAAATTTTCTTTGTCAATAATATATAATAAACCTTCACAGTACAAAAAAATAAT   13286
NC_042820.1                ACAAATAAAATTTTCTTTGTCAATAATATATAATAAACCTTCACAGTACAAAAAAATAAT   13544
m141102_iid=1228825_0      ------------------------------------------------------------   11951
m150504_iid=2876274_0      ACAAATAAAATTTTCTTTGTCAATAATATATAATAAACCTTCACAGTACAAAAAAATAATT   13359
m141030_iid=80036_0        ------------------------------------------------------------   11554
m150506_iid=2596494_0      ------------------------------------------------------------   10983
m150503_iid=2526862_0      ACAAATAAAATTTTCTTTGTCAATAATATATAATAAACCTTCACAGTACAAAAAAATAATT   13206
m150506_iid=2567000_0      ACAAATAAAATTTTCTTTGTCAATAATATATAATAAACCTTCACAGTACAAAAAAATAAT   11172
m150507_iid=3073271_0      ------------------------------------------------------------   11626
m150504_iid=3156087_0      ------------------------------------------------------------   11376
m150505_iid=2498502_0      ACAAATAAAATTTTCTTTGTCAATAATATATAATAAACCTTCACAGTACAAAAAAATAAT   9944
m141102_iid=754227_0       ------------------------------------------------------------   10254
m150507_iid=3469514_0      ------------------------------------------------------------   10241
Rdo_MitoGenome             ACAAATAAAATTTTCTTTGTCAATAATATATAATAAACCTTCACAGTACAAAAAAATAAT   13545
m141101_iid=614933_0       ------------------------------------------------------------   9134
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m141031_iid=347546_0      ------------------------------------------------------------   7511
m150506_iid=3127414_0     TTTTTAAATAAA---------AACTAAAAAAAATAATACTTTAAAAAAATAAATAAATAA   10002
m141102_iid=1245517_0     ------------------------------------------------------------   7295
m141107_iid=1405727_0     ------------------------------------------------------------   7315
m141102_iid=987614_0      TTT--TTTAAAATAAAAAACTAAAAAAAATAATACTTTAAAAAAATAATTTAAATAAAAA   11851
m141108_iid=1701429_0     TTT--AAAATAAAAACTAAAAAAAAATAATACTTTAAAAAAATAAATTTAAATAAAAAAA   8583
m141102_iid=987286_0      ------------------------------------------------------------   7493
m150430_iid=3272125_0     ------------------------------------------------------------   10013
m141102_iid=754225_0      ------------------------------------------------------------   9952
m141107_iid=1409934_0     ------------------------------------------------------------   10262
m150503_iid=3416920_0     ------------------------------------------------------------   10188
m141108_iid=1800121_0     ------------------------------------------------------------   10617
m141031_iid=147540_0      ------------------------------------------------------------   11780
m150507_iid=3674924_0     ------------------------------------------------------------   10758
m150503_iid=2923751_0     ------------------------------------------------------------   10134
m141031_iid=115118_0      ------------------------------------------------------------   7981
m150430_iid=2722448_0     ------------------------------------------------------------   9403
m150507_iid=3102647_0     TTTTTAAAATAAAAACTAAA-A--AATAATACTTTAAAAAAATAAATTTAAATAAAAAAA   8996
m141108_iid=1811866_0     ------------------------------------------------------------   9038
m150501_iid=2948495_0     TTTTTAAAATAAAAACTAAA-AAAAATAATACTTTAAAAAAATAAATTTAAATAAAAAAA   10290
m150504_iid=3238195_0     ------------------------------------------------------------   10610
m150503_iid=3388511_0     TTTTTAAAATAAAAACTAAA-AAAAATAATACTTTAAAAAAA-TAAATTTAAATAAAAAA   10335
m150505_iid=3777611_0     TTTTTAAAATAAAAACTAAA-AAAAATAATACTTTAAAAAA--TAAATTTAAATAAAAAA   11761
m150430_iid=2438833_0     TTTTAAAATAAAAAC--TAA-AAAAATAATACTTTAAAAAAATAAATTTAAATAAAAAAA   12091
m141108_iid=1698969_0     ------------------------------------------------------------   11147
m150430_iid=3059190_0     TTTTTAAAATAAAAACTAAA-AA--ATAATACTTTAAAAAAATAAATTTAAAT-AAAAAA   8945
m141107_iid=1383067_0     ------------------------------------------------------------   7061
m141101_iid=597008_0      TTTTTAAAATAAAAACTAAA-AAAAATAATACTTTAAAAAAATAAATTTAAATAAAAAAA   6026
m150506_iid=2596496_0     ------------------------------------------------------------   10491
m141102_iid=910051_0      ------------------------------------------------------------   7428
m150505_iid=3784017_0     TTTTTAAAATAAAAACTAAA-AAAAATAATACTTTAAAAAA--TAAATTTAAATAAAAAA   11874
m141101_iid=682151_0      TTTTTAAAATAAAAACTAAA-AAAAATAATACTTTAAAAAAATAAATTTAAATAAAAAAA   10946
m150501_iid=3748029_0     TTTTTAAAATAAAAACTAAA-AAAAATAATACTTTAAAAAAATAAATTTAAATAAAAAAA   11494
m150504_iid=2876272_0     TTTTTAAAATAAAAACT-AA-AAAAATAATACTTTAAAAAAATAAATTTAAATAAAAAAA   13344
NC_042820.1               TTTTTAAAATAAAAACTAAA-AAAAATAATACTTTAAAAAAATAAATTTAAATAAAAAAA   13603
m141102_iid=1228825_0     ------------------------------------------------------------   11951
m150504_iid=2876274_0     TTTTAAAATAAAAAC--TAA-AAAAATAATACTTTAAAAAAATAAATTTAAATAAAAAAA   13416
m141030_iid=80036_0       ------------------------------------------------------------   11554
m150506_iid=2596494_0     ------------------------------------------------------------   10983
m150503_iid=2526862_0     TTTTAAAATAAAAC---TAA-AAAAATAATACTTTAAAAAAATAAATTTAAATAAAAAAA   13262
m150506_iid=2567000_0     TTTTTAAAATAAAAACTAAA-AAAAATAATACTTTAAAAAAAT-AATTTAAATAAAAAAA   11230
m150507_iid=3073271_0     ------------------------------------------------------------   11626
m150504_iid=3156087_0     ------------------------------------------------------------   11376
m150505_iid=2498502_0     TTTTTAAAATAAAAACTAAA-AAAAATAATACTTTAAAAAAATAAATTTAAATAAAAAAA   10003
m141102_iid=754227_0      ------------------------------------------------------------   10254
m150507_iid=3469514_0     ------------------------------------------------------------   10241
Rdo_MitoGenome            TTTTTAAAATAAAAACTAAA-AAAAATAATACTTTAAAAAAATAAATTTAAATAAAAAAA   13604
m141101_iid=614933_0      ------------------------------------------------------------   9134


m141031_iid=347546_0      ------------------------------------------------------------   7511
m150506_iid=3127414_0     AATAAATTATTTATCTAACTAAGTTAAAAACTATCCTTTTAGTGTAAATAAAATGCTTAT   10062
m141102_iid=1245517_0     ------------------------------------------------------------   7295
m141107_iid=1405727_0     ------------------------------------------------------------   7315
m141102_iid=987614_0      AATAAATATATTATCAAACTAAGTTTAAAAACTT-------------------------   11885
m141108_iid=1701429_0     ATAAAATATATTATCAAACTAAGTTAAAAACTATCCTTTTAGTGTAAATAAAATGCTTAT   8643
m141102_iid=987286_0      ------------------------------------------------------------   7493
m150430_iid=3272125_0     ------------------------------------------------------------   10013
m141102_iid=754225_0      ------------------------------------------------------------   9952
m141107_iid=1409934_0     ------------------------------------------------------------   10262
m150503_iid=3416920_0     ------------------------------------------------------------   10188
m141108_iid=1800121_0     ------------------------------------------------------------   10617
m141031_iid=147540_0      ------------------------------------------------------------   11780
m150507_iid=3674924_0     ------------------------------------------------------------   10758
m150503_iid=2923751_0     ------------------------------------------------------------   10134
m141031_iid=115118_0      ------------------------------------------------------------   7981
m150430_iid=2722448_0     ------------------------------------------------------------   9403
m150507_iid=3102647_0     ATAAAATATATTATCAAACTAAGTTAAAAACTATCCTTTTAGTGTAAATAAAATGCTTAT   9056
m141108_iid=1811866_0     ------------------------------------------------------------   9038
m150501_iid=2948495_0     ATAAAATATATTATCAAACTAAGTTA-AAACTATCCTTTTAGTGTAAATAAAATGCTTAT   10349
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m150504_iid=3238195_0      ------------------------------------------------------------   10610
m150503_iid=3388511_0      AATAAAATATTTATCAAACTAAGTTAAAAACTATCCTTTTAGTGTAAATAAAATGCTTAT   10395
m150505_iid=3777611_0      ATAAAATATATTATCAAACTAAGTTAAAAACTATCCTTTTAGTGTAAATAAAATGCTTA-   11820
m150430_iid=2438833_0      ATAAAATATATTATCAAACTAAGTTAAAAACTATCCTTTTAGTGTAAATAAAATGCTTAT   12151
m141108_iid=1698969_0      ------------------------------------------------------------   11147
m150430_iid=3059190_0      ATAAAATATATTATCAAACTAAGTTAAAAACTATCCTTTTAGTGTAAATAAAATGCTTAT   9005
m141107_iid=1383067_0      ------------------------------------------------------------   7061
m141101_iid=597008_0       ATAAAATATATTATCAAACTAAGTTAAAAACTATCCTTTTAGTGTAAATAAAATGCTTAT   6086
m150506_iid=2596496_0      ------------------------------------------------------------   10491
m141102_iid=910051_0       ------------------------------------------------------------   7428
m150505_iid=3784017_0      ATAAAATATATTATCAAACTAAGTTAAAAACTATCCTTTTAGTGTAAATAAAATGCTTAT   11934
m141101_iid=682151_0       ATAAAATATATTATCAAACTAAGTTAAAAACTATCCTTTTAGTGTAAATAAAATGCTTAT   11006
m150501_iid=3748029_0      ATAAAATATATTATCAAACTAAGTTAAAAACTATCCTTTTAGTGTAAATAAAATGCTTAT   11554
m150504_iid=2876272_0      ATAAAATATATTATCAAACTAAGTTAAAAACTATCCTTTTAGTGTAAATAAAATGCTTAT   13404
NC_042820.1                ATAAAATATATTATCAAACTAAGTTAAAAACTATCCTTTTAGTGTAAATAAAATGCTTAT   13663
m141102_iid=1228825_0      ------------------------------------------------------------   11951
m150504_iid=2876274_0      ATAAAATATATTATCAAACTAAGTTAAAAACTATCCTTTTAGTGTAAATAAAATGCTTAT   13476
m141030_iid=80036_0        ------------------------------------------------------------   11554
m150506_iid=2596494_0      ------------------------------------------------------------   10983
m150503_iid=2526862_0      ATAAAATATATTATCAAACTAAGTTAAAAACTATCCTTTTAGTGTAAATAAAATGCTTAT   13322
m150506_iid=2567000_0      ATAAAATATATTATCAAACTAAGTTAAAAACTATCCTTTTAGTGTAAATAAAATGCTTAT   11290
m150507_iid=3073271_0      ------------------------------------------------------------   11626
m150504_iid=3156087_0      ------------------------------------------------------------   11376
m150505_iid=2498502_0      ATAAAATATATTATCAAACTAAGTTAAAAACTATCCTTTTAGTGTAAATAAAATGCTTAT   10063
m141102_iid=754227_0       ------------------------------------------------------------   10254
m150507_iid=3469514_0      ------------------------------------------------------------   10241
Rdo_MitoGenome             ATAAAATATATTATCAAACTAAGTTAAAAACTATCCTTTTAGTGTAAATAAAATGCTTAT   13664
m141101_iid=614933_0       ------------------------------------------------------------   9134


m141031_iid=347546_0       ------------------------------------------------------------   7511
m150506_iid=3127414_0      TCAAGCTCCAGTTTGATATTATCAGACACACTTTCCAGTACGCCTACTATGTT-CGACTT   10121
m141102_iid=1245517_0      ------------------------------------------------------------   7295
m141107_iid=1405727_0      ------------------------------------------------------------   7315
m141102_iid=987614_0       ------------------------------------------------------------   11885
m141108_iid=1701429_0      TCAAGCTCCAGTTTGATATATCCAGACACACTTTCCAGTACGCCTACTATGTTACGACTT   8703
m141102_iid=987286_0       ------------------------------------------------------------   7493
m150430_iid=3272125_0      ------------------------------------------------------------   10013
m141102_iid=754225_0       ------------------------------------------------------------   9952
m141107_iid=1409934_0      ------------------------------------------------------------   10262
m150503_iid=3416920_0      ------------------------------------------------------------   10188
m141108_iid=1800121_0      ------------------------------------------------------------   10617
m141031_iid=147540_0       ------------------------------------------------------------   11780
m150507_iid=3674924_0      ------------------------------------------------------------   10758
m150503_iid=2923751_0      ------------------------------------------------------------   10134
m141031_iid=115118_0       ------------------------------------------------------------   7981
m150430_iid=2722448_0      ------------------------------------------------------------   9403
m150507_iid=3102647_0      TCAAGCTCCAGTTTGATATATCCAGACACACTTTCCAGTACGCCTACTATGTTACGACTT   9116
m141108_iid=1811866_0      ------------------------------------------------------------   9038
m150501_iid=2948495_0      TCAAGCTCCAGTTTGATATATCCA--------------------------------------   10373
m150504_iid=3238195_0      ------------------------------------------------------------   10610
m150503_iid=3388511_0      TCAAGCTCCAGTTTGATATATCCAGACACACTTTCCAGTACGCCTACTATGTTACGACTT   10455
m150505_iid=3777611_0      TCAAGCTCCA----------------------------------------------------   11830
m150430_iid=2438833_0      TCAAGCTCCAGTTTGATATATCCAGACACACTTTCCAGTA-GCCTACTATGTTACGACTT   12210
m141108_iid=1698969_0      ------------------------------------------------------------   11147
m150430_iid=3059190_0      TCAAGCTCCAGTTTGATATATCCAGACACACTTTCCAGTACGCCTACTATGTTACGACTT   9065
m141107_iid=1383067_0      ------------------------------------------------------------   7061
m141101_iid=597008_0       TCAAGCTCCAGTTTGATATATCCAGACACACTTTCCAGTACGCCTACTATGTTACGACTT   6146
m150506_iid=2596496_0      ------------------------------------------------------------   10491
m141102_iid=910051_0       ------------------------------------------------------------   7428
m150505_iid=3784017_0      TCAAGCTCCAGTTTGATATATCCAGACACACTTTCCAGTACGCCTACTATGTTACGACTT   11994
m141101_iid=682151_0       TCAAGCTCCAGTTTGATATATCCAGACACACTTTCCAGTACGCCTACTATGTTACGACTT   11066
m150501_iid=3748029_0      TCAAGCTCCAGTTTGATATATCCAGACACACTTTCCAGTACGCCTACTATGTTACGACTT   11614
m150504_iid=2876272_0      TCAAGCTCCAGTTTGATATATCCAGACACACTTTCCAGTACGCCTACTATGTTACGACTT   13464
NC_042820.1                TCAAGCTCCAGTTTGATATATCCAGACACACTTTCCAGTACGCCTACTATGTTACGACTT   13723
m141102_iid=1228825_0      ------------------------------------------------------------   11951
m150504_iid=2876274_0      TCAAGCTCCAGTTTGATATATCCAGACACACTTTCCAGTACGCCTACTATGTTACGACTT   13536
m141030_iid=80036_0        ------------------------------------------------------------   11554
m150506_iid=2596494_0      ------------------------------------------------------------   10983
m150503_iid=2526862_0      TCAAGCTCCAGTTTGATATATCC-GACACACTTTCCAGTACGCCTACTATGTTACGACTT   13381
m150506_iid=2567000_0      TCAAGCTCCAGTTTGATATATCCAGACACACTTTCCAGTACGCCTACTATGTTACGACTT   11350
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m150507_iid=3073271_0      ------------------------------------------------------------   11626
m150504_iid=3156087_0      ------------------------------------------------------------   11376
m150505_iid=2498502_0      TCAAGCTCCAGTTTGATATATCCAGACACACTTTCCAGTACGCCTACTATGTTACGACTT   10123
m141102_iid=754227_0       ------------------------------------------------------------   10254
m150507_iid=3469514_0      ------------------------------------------------------------   10241
Rdo_MitoGenome             TCAAGCTCCAGTTTGATATATCCAGACACACTTTCCAGTACGCCTACTATGTTACGACTT   13724
m141101_iid=614933_0       ------------------------------------------------------------   9134


m141031_iid=347546_0       ------------------------------------------------------------   7511
m150506_iid=3127414_0      ATCT-AAATTAATTGAGAGTGACGGGCGATATGTACATATTTTAGAGCTTAATCATAAAA   10180
m141102_iid=1245517_0      ------------------------------------------------------------   7295
m141107_iid=1405727_0      ------------------------------------------------------------   7315
m141102_iid=987614_0       ------------------------------------------------------------   11885
m141108_iid=1701429_0      ATCTCAAATTAATTGAGAGTGACG-GCGATATGTACATATTTTAGAGCTTAATCATAAAA   8762
m141102_iid=987286_0       ------------------------------------------------------------   7493
m150430_iid=3272125_0      ------------------------------------------------------------   10013
m141102_iid=754225_0       ------------------------------------------------------------   9952
m141107_iid=1409934_0      ------------------------------------------------------------   10262
m150503_iid=3416920_0      ------------------------------------------------------------   10188
m141108_iid=1800121_0      ------------------------------------------------------------   10617
m141031_iid=147540_0       ------------------------------------------------------------   11780
m150507_iid=3674924_0      ------------------------------------------------------------   10758
m150503_iid=2923751_0      ------------------------------------------------------------   10134
m141031_iid=115118_0       ------------------------------------------------------------   7981
m150430_iid=2722448_0      ------------------------------------------------------------   9403
m150507_iid=3102647_0      ATCTCAAATTAATTGAGAGTGACGGGCGATATGTACATATTTTAGAGCTTAATCATAAAA   9176
m141108_iid=1811866_0      ------------------------------------------------------------   9038
m150501_iid=2948495_0      ------------------------------------------------------------   10373
m150504_iid=3238195_0      ------------------------------------------------------------   10610
m150503_iid=3388511_0      ATCTCAAATTAATTGAGAGTGACGGGCGATATGTACATATTTTAGAGCTTAATCATAAAA   10515
m150505_iid=3777611_0      ------------------------------------------------------------   11830
m150430_iid=2438833_0      ATCTCAAATTAATT------------------------------------------------   12224
m141108_iid=1698969_0      ------------------------------------------------------------   11147
m150430_iid=3059190_0      ATCTCAAATTAATTGAGAGTGACGGGCGATATGTACATATTTTAGAGCTTAATCATAAAA   9125
m141107_iid=1383067_0      ------------------------------------------------------------   7061
m141101_iid=597008_0       ATCTCAAATTAATTGAGAGTGACGGGCGATATGTACATATTTTAGAGCTTAATCATAAAA   6206
m150506_iid=2596496_0      ------------------------------------------------------------   10491
m141102_iid=910051_0       ------------------------------------------------------------   7428
m150505_iid=3784017_0      ATCTCAAATTAATTGAGAGTGACGGGCGATATGTACATATTTTAGAGCTTAATCATAAAA   12054
m141101_iid=682151_0       ATCTCAAATTAATTGAGAGTGACGGGCGATATGTACATATTTTAGAGCTTAATCATAAAA   11126
m150501_iid=3748029_0      ATCTCAAATTAATTGAGAGTGACGGGCGATATGTACATATTTTAGAGCTTAATCATAAAA   11674
m150504_iid=2876272_0      ATCTCAAATTAATTGAGAGTGACGGGCGATATGTACATATTTTAGAGCTTAATCATAAAA   13524
NC_042820.1                ATCTCAAATTAATTGAGAGTGACGGGCGATATGTACATATTTTAGAGCTTAATCATAAAA   13783
m141102_iid=1228825_0      ------------------------------------------------------------   11951
m150504_iid=2876274_0      ATCTCAAATTAATTGAGAGTGACGGGCGATATGTACATATTTTAGAGCTTAATCATAAAA   13596
m141030_iid=80036_0        ------------------------------------------------------------   11554
m150506_iid=2596494_0      ------------------------------------------------------------   10983
m150503_iid=2526862_0      ATCTCAAATTAATTGAGAGTGACGGGCGATATGTACATATTTTAGAGCTTAATCATAAAA   13441
m150506_iid=2567000_0      ATCTCAAATTAATTGAGAGTGACGGGCGATATGTACATATTTTAGAGCTTAATCATAAAA   11410
m150507_iid=3073271_0      ------------------------------------------------------------   11626
m150504_iid=3156087_0      ------------------------------------------------------------   11376
m150505_iid=2498502_0      ATCTCAAATTAATTG-------------------------------------------------   10138
m141102_iid=754227_0       ------------------------------------------------------------   10254
m150507_iid=3469514_0      ------------------------------------------------------------   10241
Rdo_MitoGenome             ATCTCAAATTAATTGAGAGTGACGGGCGATATGTACATATTTTAGAGCTTAATCATAAAA   13784
m141101_iid=614933_0       ------------------------------------------------------------   9134


m141031_iid=347546_0       ------------------------------------------------------------   7511
m150506_iid=3127414_0      TCTAATAAAAATTATTACTTTCAAATCCACTTTATTAAAAATT------AAAAATTAAAC   10234
m141102_iid=1245517_0      ------------------------------------------------------------   7295
m141107_iid=1405727_0      ------------------------------------------------------------   7315
m141102_iid=987614_0       ------------------------------------------------------------   11885
m141108_iid=1701429_0      TCTAATAAAAATTATTACTTTCAAATCCACTTTATTAAA-AATATCTAAAA-ATTAAACC   8820
m141102_iid=987286_0       ------------------------------------------------------------   7493
m150430_iid=3272125_0      ------------------------------------------------------------   10013
m141102_iid=754225_0       ------------------------------------------------------------   9952
m141107_iid=1409934_0      ------------------------------------------------------------   10262
m150503_iid=3416920_0      ------------------------------------------------------------   10188
m141108_iid=1800121_0      ------------------------------------------------------------   10617
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m141031_iid=147540_0      ------------------------------------------------------------  11780
m150507_iid=3674924_0     ------------------------------------------------------------  10758
m150503_iid=2923751_0     ------------------------------------------------------------  10134
m141031_iid=115118_0      ------------------------------------------------------------  7981
m150430_iid=2722448_0     ------------------------------------------------------------  9403
m150507_iid=3102647_0     TCTAATAAAAATTATTACTTTCAAATCCACTTTATT-AAAAATATCTAAAAAATTAAACC  9235
m141108_iid=1811866_0     ------------------------------------------------------------  9038
m150501_iid=2948495_0     ------------------------------------------------------------  10373
m150504_iid=3238195_0     ------------------------------------------------------------  10610
m150503_iid=3388511_0     TCTAATAAAAATTATTACTTTCAAATCCACTTT-ATTAAAAATATCTAAAAAATTAAACC  10574
m150505_iid=3777611_0     ------------------------------------------------------------  11830
m150430_iid=2438833_0     ------------------------------------------------------------  12224
m141108_iid=1698969_0     ------------------------------------------------------------  11147
m150430_iid=3059190_0     TCTAATAAAAATTATTACTTTCAAATCCACTTTATT-AAAAATATCTAAAAAATTAAACC  9184
m141107_iid=1383067_0     ------------------------------------------------------------  7061
m141101_iid=597008_0      TCTAATAAAAATTATTACTTTCAAATCCACTTTATT-AAAAATATCTAAAAAATTAAACC  6265
m150506_iid=2596496_0     ------------------------------------------------------------  10491
m141102_iid=910051_0      ------------------------------------------------------------  7428
m150505_iid=3784017_0     TCTAATAAAAATTATTACTTTCAAATCCACTT--TATTAAAATATCTAAAAAATTAAACC  12112
m141101_iid=682151_0      TCTAATAAAAATTATTACTTTCAAATCCACTTT-ATTAAAAATATCTAAAAAATTAAACC  11185
m150501_iid=3748029_0     TCTAATAAAAATTATTACTTTCAAATCCACTTT-ATTAAAAATATCTAAAAAATTAAACC  11733
m150504_iid=2876272_0     TCTAATAAAAATTATTACTTTCAAATCCACTTT-ATTAAAAATCTCTAAAAAATTAAACC  13583
NC_042820.1               TCTAATAAAAATTATTACTTTCAAATCCACTTT-ATTAAAAATATCTAAAAAATTAAACC  13842
m141102_iid=1228825_0     ------------------------------------------------------------  11951
m150504_iid=2876274_0     TCTAATAAAAATTATTACTTTCAAATCCACTTT-ATTAAAAATATCTAAAAAATTAAACC  13655
m141030_iid=80036_0       ------------------------------------------------------------  11554
m150506_iid=2596494_0     ------------------------------------------------------------  10983
m150503_iid=2526862_0     TCTAATAAAAATTATTACTTTCAAATCCACTTTAATTAAAAATATCTAAAAAATTAAACC  13501
m150506_iid=2567000_0     TCTAATAAAAATTATTACTTTCAAATCCACTTT-ATTAAAAATATCTAAAAAATTAAACC  11469
m150507_iid=3073271_0     ------------------------------------------------------------  11626
m150504_iid=3156087_0     ------------------------------------------------------------  11376
m150505_iid=2498502_0     ------------------------------------------------------------  10138
m141102_iid=754227_0      ------------------------------------------------------------  10254
m150507_iid=3469514_0     ------------------------------------------------------------  10241
Rdo_MitoGenome            TCTAATAAAAATTATTACTTTCAAATCCACTTT-ATTAAAAATATCTAAAAAATTAAACC  13843
m141101_iid=614933_0      ------------------------------------------------------------  9134


m141031_iid=347546_0      ------------------------------------------------------------  7511
m150506_iid=3127414_0     CATATAAATAATTTATTGTAACCCACCTCAACATGAATATAAACTGCA-CTTGATCTGAT  10293
m141102_iid=1245517_0     ------------------------------------------------------------  7295
m141107_iid=1405727_0     ------------------------------------------------------------  7315
m141102_iid=987614_0      ------------------------------------------------------------  11885
m141108_iid=1701429_0     ATAT-AATAAATTTATTGTAACCCACCTCAACATGAATATAAACTGCACCTTGATCTGAT  8879
m141102_iid=987286_0      ------------------------------------------------------------  7493
m150430_iid=3272125_0     ------------------------------------------------------------  10013
m141102_iid=754225_0      ------------------------------------------------------------  9952
m141107_iid=1409934_0     ------------------------------------------------------------  10262
m150503_iid=3416920_0     ------------------------------------------------------------  10188
m141108_iid=1800121_0     ------------------------------------------------------------  10617
m141031_iid=147540_0      ------------------------------------------------------------  11780
m150507_iid=3674924_0     ------------------------------------------------------------  10758
m150503_iid=2923751_0     ------------------------------------------------------------  10134
m141031_iid=115118_0      ------------------------------------------------------------  7981
m150430_iid=2722448_0     ------------------------------------------------------------  9403
m150507_iid=3102647_0     ATATAAATAAATTTATTGTAACCCACCTCAACATGAATATAAACTGCACCTTGATCTGAT  9295
m141108_iid=1811866_0     ------------------------------------------------------------  9038
m150501_iid=2948495_0     ------------------------------------------------------------  10373
m150504_iid=3238195_0     ------------------------------------------------------------  10610
m150503_iid=3388511_0     ATATAAATAAATTTATTGTAACCCACCTCAACATGAATATAAACTGCACCTTGATCTGAT  10634
m150505_iid=3777611_0     ------------------------------------------------------------  11830
m150430_iid=2438833_0     ------------------------------------------------------------  12224
m141108_iid=1698969_0     ------------------------------------------------------------  11147
m150430_iid=3059190_0     ATATAAATAAATTTATTGTAACCCACCTCAACATGAATATAAACTGCACCTTGATCTGAT  9244
m141107_iid=1383067_0     ------------------------------------------------------------  7061
m141101_iid=597008_0      ATATAAATAAATTTATTGTAACCCACCTCAACATGAATATAAACTGCACCTTGATCTGAT  6325
m150506_iid=2596496_0     ------------------------------------------------------------  10491
m141102_iid=910051_0      ------------------------------------------------------------  7428
m150505_iid=3784017_0     ATATAAATAAATTTATTGTAACCCACCTCAACATGAATATAAACTGCACCTTGATCTGAT  12172
m141101_iid=682151_0      ATATAAATAAATTTATTGTAACCCACCTCAACATGAATATAAACTGCACCTTGATCTGAT  11245
m150501_iid=3748029_0     ATATAAATAAATTTATTGTAACCCACCTCAACATGAATATAAACTGCACCTTGATCTGAT  11793
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m150504_iid=2876272_0      ATATAAATAAATTTATTGTAACCCACCTCAACATGAATATAAACTGCACCTTGATCTGAT   13643
NC_042820.1                ATATAAATAAATTTATTGTAACCCACCTCAACATGAATATAAACTGCACCTTGATCTGAT   13902
m141102_iid=1228825_0      ------------------------------------------------------------   11951
m150504_iid=2876274_0      ATATAAATAAATTTATTGTAA-CCACCTCAACATGAATATAAACTGCACCTTGATCTGAT   13714
m141030_iid=80036_0        ------------------------------------------------------------   11554
m150506_iid=2596494_0      ------------------------------------------------------------   10983
m150503_iid=2526862_0      ATATAAATAAATTTATTGTAA-CCACCTCAACATGAATATAAACTG--CCTTGATCTGAT   13558
m150506_iid=2567000_0      ATATAAATAAATTTATTGTAACCCACCTCAACATGAATATAAACTGCACCTTGATCTGAT   11529
m150507_iid=3073271_0      ------------------------------------------------------------   11626
m150504_iid=3156087_0      ------------------------------------------------------------   11376
m150505_iid=2498502_0      ------------------------------------------------------------   10138
m141102_iid=754227_0       ------------------------------------------------------------   10254
m150507_iid=3469514_0      ------------------------------------------------------------   10241
Rdo_MitoGenome             ATATAAATAAATTTATTGTAACCCACCTCAACATGAATATAAACTGCACCTTGATCTGAT   13903
m141101_iid=614933_0       ------------------------------------------------------------   9134


m141031_iid=347546_0       ------------------------------------------------------------   7511
m150506_iid=3127414_0      GTTAACTTTAATATAGAAATAATGATCATTTAATCCTTAAAAA--TACCAACTACGACGA   10351
m141102_iid=1245517_0      ------------------------------------------------------------   7295
m141107_iid=1405727_0      ------------------------------------------------------------   7315
m141102_iid=987614_0       ------------------------------------------------------------   11885
m141108_iid=1701429_0      GTTAACTTTAATATA-AGAAAATGATCATTTAATCCTTAA-AAATAACCAACTACGACGA   8937
m141102_iid=987286_0       ------------------------------------------------------------   7493
m150430_iid=3272125_0      ------------------------------------------------------------   10013
m141102_iid=754225_0       ------------------------------------------------------------   9952
m141107_iid=1409934_0      ------------------------------------------------------------   10262
m150503_iid=3416920_0      ------------------------------------------------------------   10188
m141108_iid=1800121_0      ------------------------------------------------------------   10617
m141031_iid=147540_0       ------------------------------------------------------------   11780
m150507_iid=3674924_0      ------------------------------------------------------------   10758
m150503_iid=2923751_0      ------------------------------------------------------------   10134
m141031_iid=115118_0       ------------------------------------------------------------   7981
m150430_iid=2722448_0      ------------------------------------------------------------   9403
m150507_iid=3102647_0      GTTAACTTTAATATA-AGAAAATGATCATTTAATCCTTAAAAAATAACCAACTACGACGA   9354
m141108_iid=1811866_0      ------------------------------------------------------------   9038
m150501_iid=2948495_0      ------------------------------------------------------------   10373
m150504_iid=3238195_0      ------------------------------------------------------------   10610
m150503_iid=3388511_0      GTTAACTTTAATATA-AGAAAATGATCATTTAATCCTTAAAAAATAACCAACTACGACGA   10693
m150505_iid=3777611_0      ------------------------------------------------------------   11830
m150430_iid=2438833_0      ------------------------------------------------------------   12224
m141108_iid=1698969_0      ------------------------------------------------------------   11147
m150430_iid=3059190_0      GTTAACTTTAATATA-AGAAAATGATCATTTAATCCTTAAAAAATAACCAACTACGACGA   9303
m141107_iid=1383067_0      ------------------------------------------------------------   7061
m141101_iid=597008_0       GTTAACTTTAATATA-AGAAAATGATCATTTAATCCTTAAAAAATAACCAACTACGACGA   6384
m150506_iid=2596496_0      ------------------------------------------------------------   10491
m141102_iid=910051_0       ------------------------------------------------------------   7428
m150505_iid=3784017_0      GTTAACTTTAATATA-AGAAAATGATCATTTAATCCTTAAAAAATAACCAACTACGACGA   12231
m141101_iid=682151_0       GTTAACTTTAATATA-AGAAAATGATCATTTAATCCTTAAAAAATAACCAACTACGACGA   11304
m150501_iid=3748029_0      GTTAACTTTAATATA-AGAAAATGATCATTTAATCCTTAAAAAATAACCAACTACGACGA   11852
m150504_iid=2876272_0      GTTAACTTTAATATA-AGAAAATGATCATTTAATCCTTAAAAAATAACCAACTACGACGA   13702
NC_042820.1                GTTAACTTTAATATA-AGAAAATGATCATTTAATCCTTAAAAAATAACCAACTACGACGA   13961
m141102_iid=1228825_0      ------------------------------------------------------------   11951
m150504_iid=2876274_0      GTTAACTTTAATATA-AG-AAATGATCATTTAATCCTTAAAAAATAACCAACTACGACGA   13772
m141030_iid=80036_0        ------------------------------------------------------------   11554
m150506_iid=2596494_0      ------------------------------------------------------------   10983
m150503_iid=2526862_0      GTTAACTTTAATATA-AGAAAATGATCATTTAATCCTTAAAAAATAACCAACTACGACGA   13617
m150506_iid=2567000_0      GTTAACTTTAATATA-AG-AAATGATCATTTAATCCTTAAAAAATAACCAACTACGACGA   11587
m150507_iid=3073271_0      ------------------------------------------------------------   11626
m150504_iid=3156087_0      ------------------------------------------------------------   11376
m150505_iid=2498502_0      ------------------------------------------------------------   10138
m141102_iid=754227_0       ------------------------------------------------------------   10254
m150507_iid=3469514_0      ------------------------------------------------------------   10241
Rdo_MitoGenome             GTTAACTTTAATATA-AGAAAATGATCATTTAATCCTTAAAAAATAACCAACTACGACGA   13962
m141101_iid=614933_0       ------------------------------------------------------------   9134


m141031_iid=347546_0       ------------------------------------------------------------   7511
m150506_iid=3127414_0      TATACAAATT--TTAAATCAAGTAACTAAATCGTGGATTATCGTTTACAGGACAGGTTTC   10409
m141102_iid=1245517_0      ------------------------------------------------------------   7295
m141107_iid=1405727_0      ------------------------------------------------------------   7315
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m141102_iid=987614_0      ------------------------------------------------------------   11885
m141108_iid=1701429_0     TATACAAATTT-TTAAATCAAGTAACTAAATCG--------------------------   8969
m141102_iid=987286_0      ------------------------------------------------------------   7493
m150430_iid=3272125_0     ------------------------------------------------------------   10013
m141102_iid=754225_0      ------------------------------------------------------------   9952
m141107_iid=1409934_0     ------------------------------------------------------------   10262
m150503_iid=3416920_0     ------------------------------------------------------------   10188
m141108_iid=1800121_0     ------------------------------------------------------------   10617
m141031_iid=147540_0      ------------------------------------------------------------   11780
m150507_iid=3674924_0     ------------------------------------------------------------   10758
m150503_iid=2923751_0     ------------------------------------------------------------   10134
m141031_iid=115118_0      ------------------------------------------------------------   7981
m150430_iid=2722448_0     ------------------------------------------------------------   9403
m150507_iid=3102647_0     TATACAAATTT-TTAAATCAAGTAACTAAATCGTGGATTATCGTTTACAGGACAGGTTCC   9413
m141108_iid=1811866_0     ------------------------------------------------------------   9038
m150501_iid=2948495_0     ------------------------------------------------------------   10373
m150504_iid=3238195_0     ------------------------------------------------------------   10610
m150503_iid=3388511_0     TATACAAATTT-TTAAATCAAGTAACTAAATCGTGGATTATCGTTTACAGGACAGGTTCC   10752
m150505_iid=3777611_0     ------------------------------------------------------------   11830
m150430_iid=2438833_0     ------------------------------------------------------------   12224
m141108_iid=1698969_0     ------------------------------------------------------------   11147
m150430_iid=3059190_0     TATACAAATTTTTTAAATCAAGTAACTAAATCGTGGATTATCGTTTACAGGACAGGTTCC   9363
m141107_iid=1383067_0     ------------------------------------------------------------   7061
m141101_iid=597008_0      TATACAAATTT-TTAAATCAAGTAACTAAATCGTGGATTATCGTTTACAGGACAGGTTCC   6443
m150506_iid=2596496_0     ------------------------------------------------------------   10491
m141102_iid=910051_0      ------------------------------------------------------------   7428
m150505_iid=3784017_0     TATACAAATTT-TTAAATCAAGTAACTAAATCGT-GATTATCGTTTACAGGACAGGTTCC   12289
m141101_iid=682151_0      TATACAAATTT-TTAAATCAAGTAACTAAATCGTGGATTATCGTTTACAGGACAGGTTCC   11363
m150501_iid=3748029_0     TATACAAATTT-TTAAATCAAGTAACTAAATCGTGGATTATCGTTTACAGGACAGGTTCC   11911
m150504_iid=2876272_0     TATACAAATTT-TTAAATCAAGTAACTAAATCGTGGATTATCGTTTACAGGACAGGTTCC   13761
NC_042820.1               TATACAAATTT-TTAAATCAAGTAACTAAATCGTGGATTATCGTTTACAGGACAGGTTCC   14020
m141102_iid=1228825_0     ------------------------------------------------------------   11951
m150504_iid=2876274_0     TATACAAATTT-TTAAATCAAGTAACTAAATCGTGGATTATCGTTTACAGGACAGGTTCC   13831
m141030_iid=80036_0       ------------------------------------------------------------   11554
m150506_iid=2596494_0     ------------------------------------------------------------   10983
m150503_iid=2526862_0     TATACAAATTT-TTAAATCAAGTAACT-AATCGTGGATTATCGTTTACAGGACAGGTT--   13673
m150506_iid=2567000_0     TATACAAA-TT-TTAAATCAAGTAACTAAATCGTGGATTATCGTTTACAGGACAGGTTCC   11645
m150507_iid=3073271_0     ------------------------------------------------------------   11626
m150504_iid=3156087_0     ------------------------------------------------------------   11376
m150505_iid=2498502_0     ------------------------------------------------------------   10138
m141102_iid=754227_0      ------------------------------------------------------------   10254
m150507_iid=3469514_0     ------------------------------------------------------------   10241
Rdo_MitoGenome            TATACAAATTT-TTAAATCAAGTAACTAAATCGTGGATTATCGTTTACAGGACAGGTTCC   14021
m141101_iid=614933_0      ------------------------------------------------------------   9134


m141031_iid=347546_0      ------------------------------------------------------------   7511
m150506_iid=3127414_0     TCTG-AAAGACTAAAATACCGCCAAATCCTTTTACTTTCAAGAACTTAACTAATACTAAT   10468
m141102_iid=1245517_0     ------------------------------------------------------------   7295
m141107_iid=1405727_0     ------------------------------------------------------------   7315
m141102_iid=987614_0      ------------------------------------------------------------   11885
m141108_iid=1701429_0     ------------------------------------------------------------   8969
m141102_iid=987286_0      ------------------------------------------------------------   7493
m150430_iid=3272125_0     ------------------------------------------------------------   10013
m141102_iid=754225_0      ------------------------------------------------------------   9952
m141107_iid=1409934_0     ------------------------------------------------------------   10262
m150503_iid=3416920_0     ------------------------------------------------------------   10188
m141108_iid=1800121_0     ------------------------------------------------------------   10617
m141031_iid=147540_0      ------------------------------------------------------------   11780
m150507_iid=3674924_0     ------------------------------------------------------------   10758
m150503_iid=2923751_0     ------------------------------------------------------------   10134
m141031_iid=115118_0      ------------------------------------------------------------   7981
m150430_iid=2722448_0     ------------------------------------------------------------   9403
m150507_iid=3102647_0     TCTGAAAAGACTAAAATACCGCCAAATCCTTTTACTTTCAAGAACTTAACTAATACTAAT   9473
m141108_iid=1811866_0     ------------------------------------------------------------   9038
m150501_iid=2948495_0     ------------------------------------------------------------   10373
m150504_iid=3238195_0     ------------------------------------------------------------   10610
m150503_iid=3388511_0     TCTGAAAAGACTAAAATACCGCCAAATCCTTTTACTTTCAAGAACTTAACTAATACTAAT   10812
m150505_iid=3777611_0     ------------------------------------------------------------   11830
m150430_iid=2438833_0     ------------------------------------------------------------   12224
m141108_iid=1698969_0     ------------------------------------------------------------   11147
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m150430_iid=3059190_0      TCTGAAAAGACTAAAATACCGCCAAATCCTTTTACTTTCAAGAACTTAACTAATACTAAT   9423
m141107_iid=1383067_0      ------------------------------------------------------------   7061
m141101_iid=597008_0       TCTGAAAAGACTAAAATACCGCCAAATCCTTTTACTTTCAAGAACTTAACTAATACTAAT   6503
m150506_iid=2596496_0      ------------------------------------------------------------   10491
m141102_iid=910051_0       ------------------------------------------------------------   7428
m150505_iid=3784017_0      TCTGAAAAGACTAAAATACCGCCAAATCCTTTTACTTTCAAGAACTTAACTAATACTAAT   12349
m141101_iid=682151_0       TCTGAAAAGACTAAAATACCGCCAAATCCTTTTACTTTCAAGAACTTAACTAATACTAAT   11423
m150501_iid=3748029_0      TCTGAAAAGACTAAAATACCGCCAAATCCTTTTACTTTCAAGAACTTAACTAATACTAAT   11971
m150504_iid=2876272_0      TCTGAAAAGACTAAAATACCGCCAAATCCTTTTACTTTCAAGAACTTAACTAATACTAAT   13821
NC_042820.1                TCTGAAAAGACTAAAATACCGCCAAATCCTTTTACTTTCAAGAACTTAACTAATACTAAT   14080
m141102_iid=1228825_0      ------------------------------------------------------------   11951
m150504_iid=2876274_0      TCTGAAAAGACT-AAATACCGCCAAAT-CTTTTACTTTCAAGAACTTAACTAATACTAAT   13889
m141030_iid=80036_0        ------------------------------------------------------------   11554
m150506_iid=2596494_0      ------------------------------------------------------------   10983
m150503_iid=2526862_0      TCTGAAAAGACTAAAATACCGCCAAATCCTTTTACTTT-AAGAACTTAACTAATACTAAT   13732
m150506_iid=2567000_0      TCTGAAAAGACTAAAATACCGCCAAATCCTTTTACTTTCAAGAACTTAACTAATACTAAT   11705
m150507_iid=3073271_0      ------------------------------------------------------------   11626
m150504_iid=3156087_0      ------------------------------------------------------------   11376
m150505_iid=2498502_0      ------------------------------------------------------------   10138
m141102_iid=754227_0       ------------------------------------------------------------   10254
m150507_iid=3469514_0      ------------------------------------------------------------   10241
Rdo_MitoGenome             TCTGAAAAGACTAAAATACCGCCAAATCCTTTTACTTTCAAGAACTTAACTAATACTAAT   14081
m141101_iid=614933_0       ------------------------------------------------------------   9134


m141031_iid=347546_0       ------------------------------------------------------------   7511
m150506_iid=3127414_0      -AAAATTTTACACTCAGAATAACGGGGTATCT-ATCCCGATTTCAAAAACAGAATTTAAA   10526
m141102_iid=1245517_0      ------------------------------------------------------------   7295
m141107_iid=1405727_0      ------------------------------------------------------------   7315
m141102_iid=987614_0       ------------------------------------------------------------   11885
m141108_iid=1701429_0      ------------------------------------------------------------   8969
m141102_iid=987286_0       ------------------------------------------------------------   7493
m150430_iid=3272125_0      ------------------------------------------------------------   10013
m141102_iid=754225_0       ------------------------------------------------------------   9952
m141107_iid=1409934_0      ------------------------------------------------------------   10262
m150503_iid=3416920_0      ------------------------------------------------------------   10188
m141108_iid=1800121_0      ------------------------------------------------------------   10617
m141031_iid=147540_0       ------------------------------------------------------------   11780
m150507_iid=3674924_0      ------------------------------------------------------------   10758
m150503_iid=2923751_0      ------------------------------------------------------------   10134
m141031_iid=115118_0       ------------------------------------------------------------   7981
m150430_iid=2722448_0      ------------------------------------------------------------   9403
m150507_iid=3102647_0      AA-AAATTTACACTCAGAATAACGG-GTATCTAATCCCGATTTCAAAAACAGAATTTAAT   9531
m141108_iid=1811866_0      ------------------------------------------------------------   9038
m150501_iid=2948495_0      ------------------------------------------------------------   10373
m150504_iid=3238195_0      ------------------------------------------------------------   10610
m150503_iid=3388511_0      AAAAAATTTACACTCAGAATAACGGGGTATCTAATCCCGATTTCAAAAACAGAATTTAAT   10872
m150505_iid=3777611_0      ------------------------------------------------------------   11830
m150430_iid=2438833_0      ------------------------------------------------------------   12224
m141108_iid=1698969_0      ------------------------------------------------------------   11147
m150430_iid=3059190_0      AA-AAATTTACACTCAGAATAACGGGGTATCTAATCCCGATTTCAAAAACAGAATTTAAT   9482
m141107_iid=1383067_0      ------------------------------------------------------------   7061
m141101_iid=597008_0       AAAAAATTTACACTCAGAATAACGGGGTATCTAATCCCGATTTCAAAAACAGAATTTAAT   6563
m150506_iid=2596496_0      ------------------------------------------------------------   10491
m141102_iid=910051_0       ------------------------------------------------------------   7428
m150505_iid=3784017_0      -AAAAATTTACACTCAGAATAACGGGGTATCTAATCCCGATTTCAAAAACAGAATTTAAT   12408
m141101_iid=682151_0       AAAAAATTTACACTCAGAATAACGGGGTATCTAATCCCGATTTCAAAAACAGAATTTAAT   11483
m150501_iid=3748029_0      -AAAAATTTACACTCAGAATAACGGGGTATCTAATCCCGATTTCAAAAACAGAATTTAAT   12030
m150504_iid=2876272_0      -AAAAATTTACACTCAGAATAACGGGGTATCTAATCCCGATTTCAAAAACAGAATTTAAT   13880
NC_042820.1                AAAAAATTTACACTCAGAATAACGGGGTATCTAATCCCGATTTCAAAAACAGAATTTAAT   14140
m141102_iid=1228825_0      ------------------------------------------------------------   11951
m150504_iid=2876274_0      -AAAAATTTACACTCAGAATAACGGGGTATCTAATCCCGATTTCAAAAACAGAATTTAAT   13948
m141030_iid=80036_0        ------------------------------------------------------------   11554
m150506_iid=2596494_0      ------------------------------------------------------------   10983
m150503_iid=2526862_0      -AAAAATTTACACTCAGAATAACGGGGTATCTAATCCCGATTTCAAAAACAGAATTT-AT   13790
m150506_iid=2567000_0      AAAAAATTTACACTCAGAATAACGGGGTATCTAATCCCGATTTCAAAAACAGAATTTAAT   11765
m150507_iid=3073271_0      ------------------------------------------------------------   11626
m150504_iid=3156087_0      ------------------------------------------------------------   11376
m150505_iid=2498502_0      ------------------------------------------------------------   10138
m141102_iid=754227_0       ------------------------------------------------------------   10254
m150507_iid=3469514_0      ------------------------------------------------------------   10241
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Rdo_MitoGenome            AAAAAATTTACACTCAGAATAACGGGGTATCTAATCCCGATTTCAAAAACAGAATTTAAT   14141
m141101_iid=614933_0      ------------------------------------------------------------   9134


m141031_iid=347546_0      ------------------------------------------------------------   7511
m150506_iid=3127414_0     TAAAACAGAAAATAAAAAAAAAATTTAATAAAATTTCAC-CTAATATTAAAATTTAA---T   10582
m141102_iid=1245517_0     ------------------------------------------------------------   7295
m141107_iid=1405727_0     ------------------------------------------------------------   7315
m141102_iid=987614_0      ------------------------------------------------------------   11885
m141108_iid=1701429_0     ------------------------------------------------------------   8969
m141102_iid=987286_0      ------------------------------------------------------------   7493
m150430_iid=3272125_0     ------------------------------------------------------------   10013
m141102_iid=754225_0      ------------------------------------------------------------   9952
m141107_iid=1409934_0     ------------------------------------------------------------   10262
m150503_iid=3416920_0     ------------------------------------------------------------   10188
m141108_iid=1800121_0     ------------------------------------------------------------   10617
m141031_iid=147540_0      ------------------------------------------------------------   11780
m150507_iid=3674924_0     ------------------------------------------------------------   10758
m150503_iid=2923751_0     ------------------------------------------------------------   10134
m141031_iid=115118_0      ------------------------------------------------------------   7981
m150430_iid=2722448_0     ------------------------------------------------------------   9403
m150507_iid=3102647_0     AAAACAGAAAATAAAAAATAAATTTAATAAAATTTCAC-CTAATATTAAAAATTTAATCT   9590
m141108_iid=1811866_0     ------------------------------------------------------------   9038
m150501_iid=2948495_0     ------------------------------------------------------------   10373
m150504_iid=3238195_0     ------------------------------------------------------------   10610
m150503_iid=3388511_0     AAAACAGAAAATAAAAAATAAATTTAATAAAATTTCAC-CTAATATTAAAAATTTAATCT   10931
m150505_iid=3777611_0     ------------------------------------------------------------   11830
m150430_iid=2438833_0     ------------------------------------------------------------   12224
m141108_iid=1698969_0     ------------------------------------------------------------   11147
m150430_iid=3059190_0     AAAACAGAAAATAAAAAATAAATTTAATAAAATTTCACACTAATATTAAAAATTTAATCT   9542
m141107_iid=1383067_0     ------------------------------------------------------------   7061
m141101_iid=597008_0      AAAACAGAAAATAAAAAATAAATTTAATAAAATTTCAC-CTAATATTAAAAATTTAATCT   6622
m150506_iid=2596496_0     ------------------------------------------------------------   10491
m141102_iid=910051_0      ------------------------------------------------------------   7428
m150505_iid=3784017_0     AAAACAGAAAAT-AAAAATAAATTTAATAAAATTTCAC-CTAATATTAAAAATTTAATCT   12466
m141101_iid=682151_0      AAAACAGAAAATAAAAAATAAATTTAATAAAATTTCAC-CTAATATTAAAAATTTAATCT   11542
m150501_iid=3748029_0     AAAACAGAAAAT-AAAAATAAATTTAATAAAATTTCAC-CTAATATTAAAAATTTAATCT   12088
m150504_iid=2876272_0     AAAACAGAAAAT-AAAAATAAATTTAATAAAATTTCAC-CTAATATTAAAAATTTAATCT   13938
NC_042820.1               AAAACAGAAAATAAAAAATAAATTTAATAAAATTTCAC-CTAATATTAAAAATTTAATCT   14199
m141102_iid=1228825_0     ------------------------------------------------------------   11951
m150504_iid=2876274_0     AAAACAGAAAATAAAAA----------------------------------------------   13965
m141030_iid=80036_0       ------------------------------------------------------------   11554
m150506_iid=2596494_0     ------------------------------------------------------------   10983
m150503_iid=2526862_0     AAAACAGAAAAT-AAAAATAAATTTAATAAAATTTCAC-CTAATATTAAAAATTTAATCT   13848
m150506_iid=2567000_0     AAAACAGAAAATAAAAAATAAATTTAATAAAATTTCAC-CTAATATTAAAAATTTAATCT   11824
m150507_iid=3073271_0     ------------------------------------------------------------   11626
m150504_iid=3156087_0     ------------------------------------------------------------   11376
m150505_iid=2498502_0     ------------------------------------------------------------   10138
m141102_iid=754227_0      ------------------------------------------------------------   10254
m150507_iid=3469514_0     ------------------------------------------------------------   10241
Rdo_MitoGenome            AAAACAGAAAATAAAAAATAAATTTAATAAAATTTCAC-CTAATATTAAAAATTTAATCT   14200
m141101_iid=614933_0      ------------------------------------------------------------   9134


m141031_iid=347546_0      ------------------------------------------------------------   7511
m150506_iid=3127414_0     TTAATTTAATCCTAATTACCATTAAA--TAAATTTTATTTGCACTAATTGTATA-AACCG   10639
m141102_iid=1245517_0     ------------------------------------------------------------   7295
m141107_iid=1405727_0     ------------------------------------------------------------   7315
m141102_iid=987614_0      ------------------------------------------------------------   11885
m141108_iid=1701429_0     ------------------------------------------------------------   8969
m141102_iid=987286_0      ------------------------------------------------------------   7493
m150430_iid=3272125_0     ------------------------------------------------------------   10013
m141102_iid=754225_0      ------------------------------------------------------------   9952
m141107_iid=1409934_0     ------------------------------------------------------------   10262
m150503_iid=3416920_0     ------------------------------------------------------------   10188
m141108_iid=1800121_0     ------------------------------------------------------------   10617
m141031_iid=147540_0      ------------------------------------------------------------   11780
m150507_iid=3674924_0     ------------------------------------------------------------   10758
m150503_iid=2923751_0     ------------------------------------------------------------   10134
m141031_iid=115118_0      ------------------------------------------------------------   7981
m150430_iid=2722448_0     ------------------------------------------------------------   9403
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m150507_iid=3102647_0      TAATTTTAATCCTAATTACCATTAAA--TAAATTTATATTGCACTAATTGTA--TAACCG   9646
m141108_iid=1811866_0      ------------------------------------------------------------   9038
m150501_iid=2948495_0      ------------------------------------------------------------   10373
m150504_iid=3238195_0      ------------------------------------------------------------   10610
m150503_iid=3388511_0      TAATTTTAATCCTAATTACCATTAAA--TAAATTTATATTGCACTAATTGTAT--AACCG   10987
m150505_iid=3777611_0      ------------------------------------------------------------   11830
m150430_iid=2438833_0      ------------------------------------------------------------   12224
m141108_iid=1698969_0      ------------------------------------------------------------   11147
m150430_iid=3059190_0      TAATTTTAATCCTAATTACCATTAAAAATAAATTTATATTGCACTAATTGTA--TAACCG   9600
m141107_iid=1383067_0      ------------------------------------------------------------   7061
m141101_iid=597008_0       TAATTTTAATCCTAATTACCATTAA-A-TAAATTTATATTGCACTAATTGTA--TAACCG   6678
m150506_iid=2596496_0      ------------------------------------------------------------   10491
m141102_iid=910051_0       ------------------------------------------------------------   7428
m150505_iid=3784017_0      TAATTTTA------------------------------------------------------   12474
m141101_iid=682151_0       TAATTTTAATCCTAATTACCA-TTAAA-TAAATTTATATTGCACTAATTGTAT--AACCG   11598
m150501_iid=3748029_0      TAATTTTAATCCTAATTACCA-TTAAA-TAAATTTATATTGCACTAATTGTAT--AACCG   12144
m150504_iid=2876272_0      TAATTTTAATCCTAATTACCATTTAAA-TAAATTTATATTGCACTAATTGTAT--AACCG   13995
NC_042820.1                TAATTTTAATCCTAATTACCA-TTAAA-TAAATTTATATTGCACTAATTGTAT--AACCG   14255
m141102_iid=1228825_0      ------------------------------------------------------------   11951
m150504_iid=2876274_0      ------------------------------------------------------------   13965
m141030_iid=80036_0        ------------------------------------------------------------   11554
m150506_iid=2596494_0      ------------------------------------------------------------   10983
m150503_iid=2526862_0      TAATTTTAATCCTAATTACCA-TTAAA-TAAA-TTATATTGCACTAATTGTAT--AACCG   13903
m150506_iid=2567000_0      TAATTTTAATCCT-ATTACCA-TTAAA-TAAATTTATATTGCACTAATTGTATTAAACCG   11881
m150507_iid=3073271_0      ------------------------------------------------------------   11626
m150504_iid=3156087_0      ------------------------------------------------------------   11376
m150505_iid=2498502_0      ------------------------------------------------------------   10138
m141102_iid=754227_0       ------------------------------------------------------------   10254
m150507_iid=3469514_0      ------------------------------------------------------------   10241
Rdo_MitoGenome             TAATTTTAATCCTAATTACCA-TTAAA-TAAATTTATATTGCACTAATTGTAT--AACCG   14256
m141101_iid=614933_0       ------------------------------------------------------------   9134


m141031_iid=347546_0       ------------------------------------------------------------   7511
m150506_iid=3127414_0      CAACTGCTGG-CAACAAATTAGTTAGAACT--AAAAATTTCTGAATCTAAGTAA---TTA   10693
m141102_iid=1245517_0      ------------------------------------------------------------   7295
m141107_iid=1405727_0      ------------------------------------------------------------   7315
m141102_iid=987614_0       ------------------------------------------------------------   11885
m141108_iid=1701429_0      ------------------------------------------------------------   8969
m141102_iid=987286_0       ------------------------------------------------------------   7493
m150430_iid=3272125_0      ------------------------------------------------------------   10013
m141102_iid=754225_0       ------------------------------------------------------------   9952
m141107_iid=1409934_0      ------------------------------------------------------------   10262
m150503_iid=3416920_0      ------------------------------------------------------------   10188
m141108_iid=1800121_0      ------------------------------------------------------------   10617
m141031_iid=147540_0       ------------------------------------------------------------   11780
m150507_iid=3674924_0      ------------------------------------------------------------   10758
m150503_iid=2923751_0      ------------------------------------------------------------   10134
m141031_iid=115118_0       ------------------------------------------------------------   7981
m150430_iid=2722448_0      ------------------------------------------------------------   9403
m150507_iid=3102647_0      CAACTGCTGG-CACAAAATTAGTTAGAACTAAAAAAATTTCTGATTCTAAGTAACCTTAA   9705
m141108_iid=1811866_0      ------------------------------------------------------------   9038
m150501_iid=2948495_0      ------------------------------------------------------------   10373
m150504_iid=3238195_0      ------------------------------------------------------------   10610
m150503_iid=3388511_0      CAACTGCTGG-CACAAAATTAGTTAGAACT-AAAAAATTTCTGATTCTAAGTAACCTTAA   11045
m150505_iid=3777611_0      ------------------------------------------------------------   11830
m150430_iid=2438833_0      ------------------------------------------------------------   12224
m141108_iid=1698969_0      ------------------------------------------------------------   11147
m150430_iid=3059190_0      CAACTGCTGG-CACAAAATTAGTTAGAACTAAAAAAATTTCTGATTCTAAGTAACCTTAA   9659
m141107_iid=1383067_0      ------------------------------------------------------------   7061
m141101_iid=597008_0       CAACTGCTGG-CACAAAATTAGTTAGAACTAAAAAAATTTCTGATTCTAAGTAACCTTAA   6737
m150506_iid=2596496_0      ------------------------------------------------------------   10491
m141102_iid=910051_0       ------------------------------------------------------------   7428
m150505_iid=3784017_0      ------------------------------------------------------------   12474
m141101_iid=682151_0       CAACTGCTGG-CACAAAATTAGTTAGAACTAAAAAAATTTCTGATTCTAAGTAACCTTAA   11657
m150501_iid=3748029_0      CAACTGCTGG-CACAAAATTAGTTAGAACTAAAAAAATTTCTGATTCTAAGTAACCTTAA   12203
m150504_iid=2876272_0      CAACTGCTGG-CACAAAATTAGTTAGAACTAAAAAAATTTCTG----------------   14037
NC_042820.1                CAACTGCTGG-CACAAAATTAGTTAGAACTAAAAAAATTTCTGATTCTAAGTAACCTTAA   14314
m141102_iid=1228825_0      ------------------------------------------------------------   11951
m150504_iid=2876274_0      ------------------------------------------------------------   13965
m141030_iid=80036_0        ------------------------------------------------------------   11554
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m150506_iid=2596494_0      ------------------------------------------------------------   10983
m150503_iid=2526862_0      CAACTGCTGG-CACAAAATTAGTTAGAACTAAAA-------------------------   13936
m150506_iid=2567000_0      CAACTGCTGGCCACAAAATTAGTTAGAA-----------------------------   11909
m150507_iid=3073271_0      ------------------------------------------------------------   11626
m150504_iid=3156087_0      ------------------------------------------------------------   11376
m150505_iid=2498502_0      ------------------------------------------------------------   10138
m141102_iid=754227_0       ------------------------------------------------------------   10254
m150507_iid=3469514_0      ------------------------------------------------------------   10241
Rdo_MitoGenome             CAACTGCTGG-CACAAAATTAGTTAGAACTAAAAAAATTTCTGATTCTAAGTAACCTTAA   14315
m141101_iid=614933_0       ------------------------------------------------------------   9134


m141031_iid=347546_0       ------------------------------------------------------------   7511
m150506_iid=3127414_0      ATAACAAATATAAATACTGCAAAAAGAAAACTCTAAAATA--CATTACATATATTTAAAT   10751
m141102_iid=1245517_0      ------------------------------------------------------------   7295
m141107_iid=1405727_0      ------------------------------------------------------------   7315
m141102_iid=987614_0       ------------------------------------------------------------   11885
m141108_iid=1701429_0      ------------------------------------------------------------   8969
m141102_iid=987286_0       ------------------------------------------------------------   7493
m150430_iid=3272125_0      ------------------------------------------------------------   10013
m141102_iid=754225_0       ------------------------------------------------------------   9952
m141107_iid=1409934_0      ------------------------------------------------------------   10262
m150503_iid=3416920_0      ------------------------------------------------------------   10188
m141108_iid=1800121_0      ------------------------------------------------------------   10617
m141031_iid=147540_0       ------------------------------------------------------------   11780
m150507_iid=3674924_0      ------------------------------------------------------------   10758
m150503_iid=2923751_0      ------------------------------------------------------------   10134
m141031_iid=115118_0       ------------------------------------------------------------   7981
m150430_iid=2722448_0      ------------------------------------------------------------   9403
m150507_iid=3102647_0      TAATCAAATATAAATACTGCAAAAAGAAAACTCTAA-ATAACACTTACATATATTTAAAT   9764
m141108_iid=1811866_0      ------------------------------------------------------------   9038
m150501_iid=2948495_0      ------------------------------------------------------------   10373
m150504_iid=3238195_0      ------------------------------------------------------------   10610
m150503_iid=3388511_0      TAATCAAATATAAATACTGCAAAAAG-AAACTCTAAAATAACACTTACATATATTTAAAT   11104
m150505_iid=3777611_0      ------------------------------------------------------------   11830
m150430_iid=2438833_0      ------------------------------------------------------------   12224
m141108_iid=1698969_0      ------------------------------------------------------------   11147
m150430_iid=3059190_0      TAATCAAATATAAATACTGCAAAAAGAAAACTCTAAAATAACACTTACATATATTTAAAT   9719
m141107_iid=1383067_0      ------------------------------------------------------------   7061
m141101_iid=597008_0       TAATCAAATATAAATACTGCAAAAAGAAAACTCTAAAATAACACTTACATATATTTAAAT   6797
m150506_iid=2596496_0      ------------------------------------------------------------   10491
m141102_iid=910051_0       ------------------------------------------------------------   7428
m150505_iid=3784017_0      ------------------------------------------------------------   12474
m141101_iid=682151_0       TAATCAAATATAAATACTGCAAAAAGAAAACTCTAAAATAACACTTACATATATTTAAAT   11717
m150501_iid=3748029_0      TAATCAAATATAAATACTGCAAAAAGAAAACTCTAAAATAACACTTACATATATTTAAAT   12263
m150504_iid=2876272_0      ------------------------------------------------------------   14037
NC_042820.1                TAATCAAATATAAATACTGCAAAAAGAAAACTCTAAAATAACACTTACATATATTTAAAT   14374
m141102_iid=1228825_0      ------------------------------------------------------------   11951
m150504_iid=2876274_0      ------------------------------------------------------------   13965
m141030_iid=80036_0        ------------------------------------------------------------   11554
m150506_iid=2596494_0      ------------------------------------------------------------   10983
m150503_iid=2526862_0      ------------------------------------------------------------   13936
m150506_iid=2567000_0      ------------------------------------------------------------   11909
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m150504_iid=3156087_0      ------------------------------------------------------------   11376
m150505_iid=2498502_0      ------------------------------------------------------------   10138
m141102_iid=754227_0       ------------------------------------------------------------   10254
m150507_iid=3469514_0      ------------------------------------------------------------   10241
Rdo_MitoGenome             TAATCAAATATAAATACTGCAAAAAGAAAACTCTAAAATAACACTTACATATATTTAAAT   14375
m141101_iid=614933_0       ------------------------------------------------------------   9134


m141031_iid=347546_0       ------------------------------------------------------------   7511
m150506_iid=3127414_0      TTATTTATAAAATAAAAAGCCAAAATAAAACTTTCCAACATAAAAAATAAATTTTAACAC   10811
m141102_iid=1245517_0      ------------------------------------------------------------   7295
m141107_iid=1405727_0      ------------------------------------------------------------   7315
m141102_iid=987614_0       ------------------------------------------------------------   11885
m141108_iid=1701429_0      ------------------------------------------------------------   8969
m141102_iid=987286_0       ------------------------------------------------------------   7493
m150430_iid=3272125_0      ------------------------------------------------------------   10013
m141102_iid=754225_0       ------------------------------------------------------------   9952
```

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m141107_iid=1409934_0      ------------------------------------------------------------   10262
m150503_iid=3416920_0      ------------------------------------------------------------   10188
m141108_iid=1800121_0      ------------------------------------------------------------   10617
m141031_iid=147540_0       ------------------------------------------------------------   11780
m150507_iid=3674924_0      ------------------------------------------------------------   10758
m150503_iid=2923751_0      ------------------------------------------------------------   10134
m141031_iid=115118_0       ------------------------------------------------------------   7981
m150430_iid=2722448_0      ------------------------------------------------------------   9403
m150507_iid=3102647_0      TTATTATATA-AATAAAAGCCAAAATAAAACTTTCCAACATAAAAAATAAATTTTAACAC   9823
m141108_iid=1811866_0      ------------------------------------------------------------   9038
m150501_iid=2948495_0      ------------------------------------------------------------   10373
m150504_iid=3238195_0      ------------------------------------------------------------   10610
m150503_iid=3388511_0      TTATTATATAAAATAAAAAGCCAAAATAAAACTTTCCAACAT-AAAAATAAATTTTAACAC   11163
m150505_iid=3777611_0      ------------------------------------------------------------   11830
m150430_iid=2438833_0      ------------------------------------------------------------   12224
m141108_iid=1698969_0      ------------------------------------------------------------   11147
m150430_iid=3059190_0      TTATTATATAA-ATAAAAGCCAAAATAAAACTTTCCAACATAAAAATAAATTT-------   9771
m141107_iid=1383067_0      ------------------------------------------------------------   7061
m141101_iid=597008_0       TTATTATATAAATAAAAAGCCAAAATAAAACTTTCCAACATAAAAAATAAATTTTAACAC   6857
m150506_iid=2596496_0      ------------------------------------------------------------   10491
m141102_iid=910051_0       ------------------------------------------------------------   7428
m150505_iid=3784017_0      ------------------------------------------------------------   12474
m141101_iid=682151_0       TTATTATATAAATAAAAAGCCAAAATAAAACTTTCCAACATAAAAAATAAATTTTAACAC   11777
m150501_iid=3748029_0      TTAT--TATTATAAAAAAGCC------------------------------------------   12282
m150504_iid=2876272_0      ------------------------------------------------------------   14037
NC_042820.1                TTATTATATAAATAAAAAGCCAAAATAAAACTTTCCAACATAAAAAATAAATTTTAACAC   14434
m141102_iid=1228825_0      ------------------------------------------------------------   11951
m150504_iid=2876274_0      ------------------------------------------------------------   13965
m141030_iid=80036_0        ------------------------------------------------------------   11554
m150506_iid=2596494_0      ------------------------------------------------------------   10983
m150503_iid=2526862_0      ------------------------------------------------------------   13936
m150506_iid=2567000_0      ------------------------------------------------------------   11909
m150507_iid=3073271_0      ------------------------------------------------------------   11626
m150504_iid=3156087_0      ------------------------------------------------------------   11376
m150505_iid=2498502_0      ------------------------------------------------------------   10138
m141102_iid=754227_0       ------------------------------------------------------------   10254
m150507_iid=3469514_0      ------------------------------------------------------------   10241
Rdo_MitoGenome             TTATTATATAAATAAAAAGCCAAAATAAAACTTTCCAACATAAAAAATAAATTTTAACAC   14435
m141101_iid=614933_0       ------------------------------------------------------------   9134


m141031_iid=347546_0       ------------------------------------------------------------   7511
m150506_iid=3127414_0      TTTAAAAATTTTTTTCCACAAAATAAGTAAAATTGACCAACCTAACC-AAGCACCGAAAA   10870
m141102_iid=1245517_0      ------------------------------------------------------------   7295
m141107_iid=1405727_0      ------------------------------------------------------------   7315
m141102_iid=987614_0       ------------------------------------------------------------   11885
m141108_iid=1701429_0      ------------------------------------------------------------   8969
m141102_iid=987286_0       ------------------------------------------------------------   7493
m150430_iid=3272125_0      ------------------------------------------------------------   10013
m141102_iid=754225_0       ------------------------------------------------------------   9952
m141107_iid=1409934_0      ------------------------------------------------------------   10262
m150503_iid=3416920_0      ------------------------------------------------------------   10188
m141108_iid=1800121_0      ------------------------------------------------------------   10617
m141031_iid=147540_0       ------------------------------------------------------------   11780
m150507_iid=3674924_0      ------------------------------------------------------------   10758
m150503_iid=2923751_0      ------------------------------------------------------------   10134
m141031_iid=115118_0       ------------------------------------------------------------   7981
m150430_iid=2722448_0      ------------------------------------------------------------   9403
m150507_iid=3102647_0      TTTAAAAATTTTTTTCCACAAAATAAGTAAAATTGACCAACCTAAC-AAAGCACCGA---   9879
m141108_iid=1811866_0      ------------------------------------------------------------   9038
m150501_iid=2948495_0      ------------------------------------------------------------   10373
m150504_iid=3238195_0      ------------------------------------------------------------   10610
m150503_iid=3388511_0      TTTAAAAATTTTTTTCCACAAAATAAGTAAAATTGACCAACCTAACCAAAGCACCGAAAA   11223
m150505_iid=3777611_0      ------------------------------------------------------------   11830
m150430_iid=2438833_0      ------------------------------------------------------------   12224
m141108_iid=1698969_0      ------------------------------------------------------------   11147
m150430_iid=3059190_0      ------------------------------------------------------------   9771
m141107_iid=1383067_0      ------------------------------------------------------------   7061
m141101_iid=597008_0       TTTAAAAATTTTTTTCCACAAAATAAGTAAAATTGACCAACCTAACCAAAGCACCGAAAA   6917
m150506_iid=2596496_0      ------------------------------------------------------------   10491
m141102_iid=910051_0       ------------------------------------------------------------   7428
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m150505_iid=3784017_0      ------------------------------------------------------------   12474
m141101_iid=682151_0       TTTAAAAATTTTTTTCCACAAAATAAGTAAAATTGACCAACCTAACCAAAGCACCGAAAA   11837
m150501_iid=3748029_0      ------------------------------------------------------------   12282
m150504_iid=2876272_0      ------------------------------------------------------------   14037
NC_042820.1                TTTAAAAATTTTTTTCCACAAAATAAGTAAAATTGACCAACCTAACCAAAGCACCGAAAA   14494
m141102_iid=1228825_0      ------------------------------------------------------------   11951
m150504_iid=2876274_0      ------------------------------------------------------------   13965
m141030_iid=80036_0        ------------------------------------------------------------   11554
m150506_iid=2596494_0      ------------------------------------------------------------   10983
m150503_iid=2526862_0      ------------------------------------------------------------   13936
m150506_iid=2567000_0      ------------------------------------------------------------   11909
m150507_iid=3073271_0      ------------------------------------------------------------   11626
m150504_iid=3156087_0      ------------------------------------------------------------   11376
m150505_iid=2498502_0      ------------------------------------------------------------   10138
m141102_iid=754227_0       ------------------------------------------------------------   10254
m150507_iid=3469514_0      ------------------------------------------------------------   10241
Rdo_MitoGenome             TTTAAAAATTTTTTTCCACAAAATAAGTAAAATTGACCAACCTAACCAAAGCACCGAAAA   14495
m141101_iid=614933_0       ------------------------------------------------------------   9134


m141031_iid=347546_0       ------------------------------------------------------------   7511
m150506_iid=3127414_0      AGAACAGCTGGAACAGGAAA-CACGACGAAGAAGCGAAAACGAGGCAACGCCGCCCTCGG   10929
m141102_iid=1245517_0      ------------------------------------------------------------   7295
m141107_iid=1405727_0      ------------------------------------------------------------   7315
m141102_iid=987614_0       ------------------------------------------------------------   11885
m141108_iid=1701429_0      ------------------------------------------------------------   8969
m141102_iid=987286_0       ------------------------------------------------------------   7493
m150430_iid=3272125_0      ------------------------------------------------------------   10013
m141102_iid=754225_0       ------------------------------------------------------------   9952
m141107_iid=1409934_0      ------------------------------------------------------------   10262
m150503_iid=3416920_0      ------------------------------------------------------------   10188
m141108_iid=1800121_0      ------------------------------------------------------------   10617
m141031_iid=147540_0       ------------------------------------------------------------   11780
m150507_iid=3674924_0      ------------------------------------------------------------   10758
m150503_iid=2923751_0      ------------------------------------------------------------   10134
m141031_iid=115118_0       ------------------------------------------------------------   7981
m150430_iid=2722448_0      ------------------------------------------------------------   9403
m150507_iid=3102647_0      ------------------------------------------------------------   9879
m141108_iid=1811866_0      ------------------------------------------------------------   9038
m150501_iid=2948495_0      ------------------------------------------------------------   10373
m150504_iid=3238195_0      ------------------------------------------------------------   10610
m150503_iid=3388511_0      AGAACAGCTGGAACAGGAAACCACGACGAAGAAGCGAAAACGAGGCAACGCCGCCCTC-G   11282
m150505_iid=3777611_0      ------------------------------------------------------------   11830
m150430_iid=2438833_0      ------------------------------------------------------------   12224
m141108_iid=1698969_0      ------------------------------------------------------------   11147
m150430_iid=3059190_0      ------------------------------------------------------------   9771
m141107_iid=1383067_0      ------------------------------------------------------------   7061
m141101_iid=597008_0       AGAACAGCTGGAACAGGAAACCACGACGAAGAAGCGAAAACGAGGCAACGCCGCCCTCGG   6977
m150506_iid=2596496_0      ------------------------------------------------------------   10491
m141102_iid=910051_0       ------------------------------------------------------------   7428
m150505_iid=3784017_0      ------------------------------------------------------------   12474
m141101_iid=682151_0       AGAACAGCTGGAACAGGAAACCACGACGAAGAAGCGAAAACGAGGCAACGCCGCCCTCGG   11897
m150501_iid=3748029_0      ------------------------------------------------------------   12282
m150504_iid=2876272_0      ------------------------------------------------------------   14037
NC_042820.1                AGAACAGCCGGAACAGGAAACCACGACGAAGAAGCGAAAACGAGGAAACGCCGCCCTCGG   14554
m141102_iid=1228825_0      ------------------------------------------------------------   11951
m150504_iid=2876274_0      ------------------------------------------------------------   13965
m141030_iid=80036_0        ------------------------------------------------------------   11554
m150506_iid=2596494_0      ------------------------------------------------------------   10983
m150503_iid=2526862_0      ------------------------------------------------------------   13936
m150506_iid=2567000_0      ------------------------------------------------------------   11909
m150507_iid=3073271_0      ------------------------------------------------------------   11626
m150504_iid=3156087_0      ------------------------------------------------------------   11376
m150505_iid=2498502_0      ------------------------------------------------------------   10138
m141102_iid=754227_0       ------------------------------------------------------------   10254
m150507_iid=3469514_0      ------------------------------------------------------------   10241
Rdo_MitoGenome             AGAACAGCTGGAACAGGAAACCACGACGAAGAAGCGAAAACGAGGCAACGCCGCCCTCGG   14555
m141101_iid=614933_0       ------------------------------------------------------------   9134


m141031_iid=347546_0       ------------------------------------------------------------   7511
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m150506_iid=3127414_0      GGTAAGAACCAGGTTTAATCCACGG--ATAACAACGCCCTATTGCCAACACCATGAATAC   10987
m141102_iid=1245517_0      ------------------------------------------------------------   7295
m141107_iid=1405727_0      ------------------------------------------------------------   7315
m141102_iid=987614_0       ------------------------------------------------------------   11885
m141108_iid=1701429_0      ------------------------------------------------------------   8969
m141102_iid=987286_0       ------------------------------------------------------------   7493
m150430_iid=3272125_0      ------------------------------------------------------------   10013
m141102_iid=754225_0       ------------------------------------------------------------   9952
m141107_iid=1409934_0      ------------------------------------------------------------   10262
m150503_iid=3416920_0      ------------------------------------------------------------   10188
m141108_iid=1800121_0      ------------------------------------------------------------   10617
m141031_iid=147540_0       ------------------------------------------------------------   11780
m150507_iid=3674924_0      ------------------------------------------------------------   10758
m150503_iid=2923751_0      ------------------------------------------------------------   10134
m141031_iid=115118_0       ------------------------------------------------------------   7981
m150430_iid=2722448_0      ------------------------------------------------------------   9403
m150507_iid=3102647_0      ------------------------------------------------------------   9879
m141108_iid=1811866_0      ------------------------------------------------------------   9038
m150501_iid=2948495_0      ------------------------------------------------------------   10373
m150504_iid=3238195_0      ------------------------------------------------------------   10610
m150503_iid=3388511_0      GGTAAGAACCAGGTTTAATCCACGGGATAAGCAACGCCCTATTGCCAAC-CCATGAATAC   11341
m150505_iid=3777611_0      ------------------------------------------------------------   11830
m150430_iid=2438833_0      ------------------------------------------------------------   12224
m141108_iid=1698969_0      ------------------------------------------------------------   11147
m150430_iid=3059190_0      ------------------------------------------------------------   9771
m141107_iid=1383067_0      ------------------------------------------------------------   7061
m141101_iid=597008_0       G-TAAGAACCAGGTTTAATCCACGGGATAAGCAACGCCCTATTGCCAAC-CCATGAATAC   7035
m150506_iid=2596496_0      ------------------------------------------------------------   10491
m141102_iid=910051_0       ------------------------------------------------------------   7428
m150505_iid=3784017_0      ------------------------------------------------------------   12474
m141101_iid=682151_0       GGTAAGAACCAGGTTTAATCCACGGGATAAGCAACGCCCTATTGCCAAC-CCATGAATAC   11956
m150501_iid=3748029_0      ------------------------------------------------------------   12282
m150504_iid=2876272_0      ------------------------------------------------------------   14037
NC_042820.1                GGTACGAACCAGGTTTAACCCACGGGATAAGCAACGCCCTATTGCCAAC-CCATGAATAC   14613
m141102_iid=1228825_0      ------------------------------------------------------------   11951
m150504_iid=2876274_0      ------------------------------------------------------------   13965
m141030_iid=80036_0        ------------------------------------------------------------   11554
m150506_iid=2596494_0      ------------------------------------------------------------   10983
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m141101_iid=614933_0       ------------------------------------------------------------   9134


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m141101_iid=682151_0       GACCAAAGCACCGAAAAAGAACAGCAGGAACAGGAAACCACGACGAAGAAGCGAAAACGA   12016
m150501_iid=3748029_0      ------------------------------------------------------------   12282
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m150505_iid=2498502_0      ------------------------------------------------------------   10138
m141102_iid=754227_0       ------------------------------------------------------------   10254
m150507_iid=3469514_0      ------------------------------------------------------------   10241
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m141108_iid=1701429_0      ------------------------------------------------------------   8969
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m141102_iid=754225_0       ------------------------------------------------------------   9952
m141107_iid=1409934_0      ------------------------------------------------------------   10262
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m141108_iid=1800121_0      ------------------------------------------------------------   10617
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m150501_iid=2948495_0      ------------------------------------------------------------   10373
m150504_iid=3238195_0      ------------------------------------------------------------   10610
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m150505_iid=3777611_0      ------------------------------------------------------------   11830
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m150430_iid=3059190_0      ------------------------------------------------------------   9771
m141107_iid=1383067_0      ------------------------------------------------------------   7061
m141101_iid=597008_0       GGAA---ACGCCGCCCTCGGGGTACG-AACCAGGTTAAACCCACGGGATAAGCA------   7145
m150506_iid=2596496_0      ------------------------------------------------------------   10491
m141102_iid=910051_0       ------------------------------------------------------------   7428
m150505_iid=3784017_0      ------------------------------------------------------------   12474
m141101_iid=682151_0       GGAA---ACGCCGCCCTCGGGGTACG-AACCAGGTTAAACCCACGG--------------   12058
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m150504_iid=2876272_0      ------------------------------------------------------------   14037
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m150506_iid=2596494_0      ------------------------------------------------------------   10983
m150503_iid=2526862_0      ------------------------------------------------------------   13936
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m150504_iid=3156087_0      ------------------------------------------------------------   11376
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m141102_iid=754227_0       ------------------------------------------------------------   10254
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m141107_iid=1405727_0      ------------------------------------------------------------   7315
m141102_iid=987614_0       ------------------------------------------------------------   11885
m141108_iid=1701429_0      ------------------------------------------------------------   8969
m141102_iid=987286_0       ------------------------------------------------------------   7493
m150430_iid=3272125_0      ------------------------------------------------------------   10013
m141102_iid=754225_0       ------------------------------------------------------------   9952
m141107_iid=1409934_0      ------------------------------------------------------------   10262
m150503_iid=3416920_0      ------------------------------------------------------------   10188
m141108_iid=1800121_0      ------------------------------------------------------------   10617
m141031_iid=147540_0       ------------------------------------------------------------   11780
m150507_iid=3674924_0      ------------------------------------------------------------   10758
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m141031_iid=115118_0       ------------------------------------------------------------   7981
m150430_iid=2722448_0      ------------------------------------------------------------   9403
m150507_iid=3102647_0      ------------------------------------------------------------   9879
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m150501_iid=2948495_0      ------------------------------------------------------------   10373
m150504_iid=3238195_0      ------------------------------------------------------------   10610
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m150505_iid=3777611_0      ------------------------------------------------------------   11830
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m141107_iid=1383067_0      ------------------------------------------------------------   7061
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m150505_iid=3784017_0      ------------------------------------------------------------   12474
m141101_iid=682151_0       ------------------------------------------------------------   12058
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m150505_iid=2498502_0      ------------------------------------------------------------   10138
m141102_iid=754227_0       ------------------------------------------------------------   10254
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Rdo_MitoGenome             ------------------------------------------------------------   14714
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m141031_iid=347546_0       ------------------------------------------------------------   7511
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m141107_iid=1405727_0      ------------------------------------------------------------   7315
m141102_iid=987614_0       ------------------------------------------------------------   11885
m141108_iid=1701429_0      ------------------------------------------------------------   8969
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m141102_iid=754225_0       ------------------------------------------------------------   9952
m141107_iid=1409934_0      ------------------------------------------------------------   10262
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m141108_iid=1800121_0      ------------------------------------------------------------   10617
m141031_iid=147540_0       ------------------------------------------------------------   11780
m150507_iid=3674924_0      ------------------------------------------------------------   10758
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m150501_iid=2948495_0      ------------------------------------------------------------   10373
m150504_iid=3238195_0      ------------------------------------------------------------   10610
m150503_iid=3388511_0      CGACGAAGAAGCGAAAACGAGGAAACGCCGCCCTCGGGGTACGAAACGGTTAAAC-----   11571
m150505_iid=3777611_0      ------------------------------------------------------------   11830
m150430_iid=2438833_0      ------------------------------------------------------------   12224
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m141107_iid=1383067_0      ------------------------------------------------------------   7061
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m150505_iid=2498502_0      ------------------------------------------------------------   10138
m141102_iid=754227_0       ------------------------------------------------------------   10254
m150507_iid=3469514_0      ------------------------------------------------------------   10241
Rdo_MitoGenome             ------------------------------------------------------------   14714
m141101_iid=614933_0       ------------------------------------------------------------   9134


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m150506_iid=3127414_0      AGGATCAACAACGTCCTATTGCCAAC-----CCATGAATACGACAAGCACCGAAAAAGAA   11273
m141102_iid=1245517_0      ------------------------------------------------------------   7295
m141107_iid=1405727_0      ------------------------------------------------------------   7315
m141102_iid=987614_0       ------------------------------------------------------------   11885
m141108_iid=1701429_0      ------------------------------------------------------------   8969
m141102_iid=987286_0       ------------------------------------------------------------   7493
m150430_iid=3272125_0      ------------------------------------------------------------   10013
m141102_iid=754225_0       ------------------------------------------------------------   9952
m141107_iid=1409934_0      ------------------------------------------------------------   10262
m150503_iid=3416920_0      ------------------------------------------------------------   10188
m141108_iid=1800121_0      ------------------------------------------------------------   10617
m141031_iid=147540_0       ------------------------------------------------------------   11780
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m141107_iid=1383067_0      ------------------------------------------------------------   7061
m141101_iid=597008_0       ------------------------------------------------------------   7145
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m150505_iid=3784017_0      ------------------------------------------------------------   12474
m141101_iid=682151_0       ------------------------------------------------------------   12058
m150501_iid=3748029_0      ------------------------------------------------------------   12282
m150504_iid=2876272_0      ------------------------------------------------------------   14037
NC_042820.1                AGGATCAACAACGTCCTATCGCCAACAAAATCAATACATTAATTATAATTTTCTTTTTTA   14909
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m150505_iid=2498502_0      ------------------------------------------------------------   10138
m141102_iid=754227_0       ------------------------------------------------------------   10254
m150507_iid=3469514_0      ------------------------------------------------------------   10241
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m150506_iid=3127414_0      CAGCAGGAACAGGAAACCACGACGAAGAAGCGAAAAGAGGCAACGCGCCGCCTCGGGGTA   11333
m141102_iid=1245517_0      ------------------------------------------------------------   7295
m141107_iid=1405727_0      ------------------------------------------------------------   7315
m141102_iid=987614_0       ------------------------------------------------------------   11885
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m141102_iid=987286_0       ------------------------------------------------------------   7493
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m141107_iid=1409934_0      ------------------------------------------------------------   10262
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m141108_iid=1800121_0      ------------------------------------------------------------   10617
m141031_iid=147540_0       ------------------------------------------------------------   11780
m150507_iid=3674924_0      ------------------------------------------------------------   10758
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m141031_iid=115118_0       ------------------------------------------------------------   7981
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m150505_iid=3784017_0      ------------------------------------------------------------   12474
m141101_iid=682151_0       ------------------------------------------------------------   12058
m150501_iid=3748029_0      ------------------------------------------------------------   12282
m150504_iid=2876272_0      ------------------------------------------------------------   14037
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m141102_iid=754227_0       ------------------------------------------------------------   10254
m150507_iid=3469514_0      ------------------------------------------------------------   10241
Rdo_MitoGenome             ACTTAAAAATTTAAACACTAGTAAATAAATATTTAATAAATTATGAACAAAACCTAAGTC   14834
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m141031_iid=347546_0       ------------------------------------------------------------   7511
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m141107_iid=1405727_0      ------------------------------------------------------------   7315
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m141108_iid=1701429_0      ------------------------------------------------------------   8969
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m150504_iid=2876272_0     ------------------------------------------------------------   14037
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m141102_iid=754227_0      ------------------------------------------------------------   10254
m150507_iid=3469514_0     ------------------------------------------------------------   10241
Rdo_MitoGenome            CTTAAATTTTAAAACTAAATTTTAATTTAGATTAAAATTTATTAATAAAATTATTAACAT   14894
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m150505_iid=2498502_0     ------------------------------------------------------------   10138
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m150503_iid=2923751_0     ------------------------------------------------------------   10134
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m141102_iid=910051_0       ------------------------------------------------------------   7428
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m150505_iid=2498502_0      ------------------------------------------------------------   10138
m141102_iid=754227_0       ------------------------------------------------------------   10254
m150507_iid=3469514_0      ------------------------------------------------------------   10241
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m141107_iid=1405727_0      ------------------------------------------------------------   7315
m141102_iid=987614_0       ------------------------------------------------------------   11885
m141108_iid=1701429_0      ------------------------------------------------------------   8969
m141102_iid=987286_0       ------------------------------------------------------------   7493
m150430_iid=3272125_0      ------------------------------------------------------------   10013
m141102_iid=754225_0       ------------------------------------------------------------   9952
m141107_iid=1409934_0      ------------------------------------------------------------   10262
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m141108_iid=1800121_0      ------------------------------------------------------------   10617
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m150507_iid=3674924_0      ------------------------------------------------------------   10758
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m141031_iid=115118_0       ------------------------------------------------------------   7981
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m141102_iid=987614_0       ------------------------------------------------------------   11885
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m141102_iid=754227_0       ------------------------------------------------------------   10254
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m150430_iid=3059190_0      ------------------------------------------------------------   9771
m141107_iid=1383067_0      ------------------------------------------------------------   7061
m141101_iid=597008_0       ------------------------------------------------------------   7145
m150506_iid=2596496_0      ------------------------------------------------------------   10491
m141102_iid=910051_0       ------------------------------------------------------------   7428
m150505_iid=3784017_0      ------------------------------------------------------------   12474
m141101_iid=682151_0       ------------------------------------------------------------   12058
m150501_iid=3748029_0      ------------------------------------------------------------   12282
m150504_iid=2876272_0      ------------------------------------------------------------   14037
NC_042820.1                AAATATATATAAATATATAATTATATATGAATAACTTATTGTTATATATAAAATTATTTA   15569
m141102_iid=1228825_0      ------------------------------------------------------------   11951
m150504_iid=2876274_0      ------------------------------------------------------------   13965
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m150506_iid=2596494_0      ------------------------------------------------------------   10983
m150503_iid=2526862_0      ------------------------------------------------------------   13936
m150506_iid=2567000_0      ------------------------------------------------------------   11909
m150507_iid=3073271_0      ------------------------------------------------------------   11626
m150504_iid=3156087_0      ------------------------------------------------------------   11376
m150505_iid=2498502_0      ------------------------------------------------------------   10138
m141102_iid=754227_0       ------------------------------------------------------------   10254
m150507_iid=3469514_0      ------------------------------------------------------------   10241
Rdo_MitoGenome             AAATATATATAAATATATAATTATATATGAATAACTTATTGTTATATATAAAATTATTTA   15434
m141101_iid=614933_0       ------------------------------------------------------------   9134


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m150506_iid=3127414_0      ------------------------------------------------------------   11366
m141102_iid=1245517_0      ------------------------------------------------------------   7295
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m141102_iid=987614_0       ------------------------------------------------------------   11885
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m141102_iid=987286_0       ------------------------------------------------------------   7493
m150430_iid=3272125_0      ------------------------------------------------------------   10013
m141102_iid=754225_0       ------------------------------------------------------------   9952
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m150503_iid=3416920_0      ------------------------------------------------------------   10188
m141108_iid=1800121_0      ------------------------------------------------------------   10617
m141031_iid=147540_0       ------------------------------------------------------------   11780
m150507_iid=3674924_0      ------------------------------------------------------------   10758
m150503_iid=2923751_0      ------------------------------------------------------------   10134
m141031_iid=115118_0       ------------------------------------------------------------   7981
m150430_iid=2722448_0      ------------------------------------------------------------   9403
m150507_iid=3102647_0      ------------------------------------------------------------   9879
m141108_iid=1811866_0      ------------------------------------------------------------   9038
m150501_iid=2948495_0      ------------------------------------------------------------   10373
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m150503_iid=3388511_0      ------------------------------------------------------------   11571
m150505_iid=3777611_0      ------------------------------------------------------------   11830
m150430_iid=2438833_0      ------------------------------------------------------------   12224
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m150430_iid=3059190_0      ------------------------------------------------------------   9771
m141107_iid=1383067_0      ------------------------------------------------------------   7061
m141101_iid=597008_0       ------------------------------------------------------------   7145
m150506_iid=2596496_0      ------------------------------------------------------------   10491
m141102_iid=910051_0       ------------------------------------------------------------   7428
m150505_iid=3784017_0      ------------------------------------------------------------   12474
m141101_iid=682151_0       ------------------------------------------------------------   12058
m150501_iid=3748029_0      ------------------------------------------------------------   12282
m150504_iid=2876272_0      ------------------------------------------------------------   14037
NC_042820.1                TTAATTTAATAATTATATATAAATATATAGTTATATATATATATATAAATATATATTTTATA   15629
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m141030_iid=80036_0        ------------------------------------------------------------   11554
m150506_iid=2596494_0      ------------------------------------------------------------   10983
m150503_iid=2526862_0      ------------------------------------------------------------   13936
m150506_iid=2567000_0      ------------------------------------------------------------   11909
m150507_iid=3073271_0      ------------------------------------------------------------   11626
m150504_iid=3156087_0      ------------------------------------------------------------   11376
m150505_iid=2498502_0      ------------------------------------------------------------   10138
m141102_iid=754227_0       ------------------------------------------------------------   10254
m150507_iid=3469514_0      ------------------------------------------------------------   10241
Rdo_MitoGenome             TTAATTTAATAATTATATATAAATATATAGTTATATATATATATATAAATATATATTTTATA   15494
m141101_iid=614933_0       ------------------------------------------------------------   9134


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m150506_iid=3127414_0      ------------------------------------------------------------   11366
m141102_iid=1245517_0      ------------------------------------------------------------   7295
m141107_iid=1405727_0      ------------------------------------------------------------   7315
m141102_iid=987614_0       ------------------------------------------------------------   11885
m141108_iid=1701429_0      ------------------------------------------------------------   8969
m141102_iid=987286_0       ------------------------------------------------------------   7493
m150430_iid=3272125_0      ------------------------------------------------------------   10013
m141102_iid=754225_0       ------------------------------------------------------------   9952
m141107_iid=1409934_0      ------------------------------------------------------------   10262
m150503_iid=3416920_0      ------------------------------------------------------------   10188
m141108_iid=1800121_0      ------------------------------------------------------------   10617
m141031_iid=147540_0       ------------------------------------------------------------   11780
m150507_iid=3674924_0      ------------------------------------------------------------   10758
m150503_iid=2923751_0      ------------------------------------------------------------   10134
m141031_iid=115118_0       ------------------------------------------------------------   7981
m150430_iid=2722448_0      ------------------------------------------------------------   9403
m150507_iid=3102647_0      ------------------------------------------------------------   9879
m141108_iid=1811866_0      ------------------------------------------------------------   9038
m150501_iid=2948495_0      ------------------------------------------------------------   10373
m150504_iid=3238195_0      ------------------------------------------------------------   10610
m150503_iid=3388511_0      ------------------------------------------------------------   11571
m150505_iid=3777611_0      ------------------------------------------------------------   11830
m150430_iid=2438833_0      ------------------------------------------------------------   12224
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m150430_iid=3059190_0      ------------------------------------------------------------   9771
m141107_iid=1383067_0      ------------------------------------------------------------   7061
m141101_iid=597008_0       ------------------------------------------------------------   7145
m150506_iid=2596496_0      ------------------------------------------------------------   10491
m141102_iid=910051_0       ------------------------------------------------------------   7428
m150505_iid=3784017_0      ------------------------------------------------------------   12474
m141101_iid=682151_0       ------------------------------------------------------------   12058
m150501_iid=3748029_0      ------------------------------------------------------------   12282
m150504_iid=2876272_0      ------------------------------------------------------------   14037
NC_042820.1                TAGTAAAAAAAAAGTTAGCGCAAAAACACGTTTTGAATGAAAATCCATAAATACATGGTT   15689
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m141030_iid=80036_0        ------------------------------------------------------------   11554
m150506_iid=2596494_0      ------------------------------------------------------------   10983
m150503_iid=2526862_0      ------------------------------------------------------------   13936
m150506_iid=2567000_0      ------------------------------------------------------------   11909
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m150504_iid=3156087_0      ------------------------------------------------------------   11376
m150505_iid=2498502_0      ------------------------------------------------------------   10138
m141102_iid=754227_0       ------------------------------------------------------------   10254
m150507_iid=3469514_0      ------------------------------------------------------------   10241
Rdo_MitoGenome             TAGTAAAAAAAAAGTTAGCGCAAAAACACGTTTTGAATGAAAATCCATAAATACATGGTT   15554
m141101_iid=614933_0       ------------------------------------------------------------   9134


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m141107_iid=1405727_0      ------------------------------------------------------------   7315
m141102_iid=987614_0       ------------------------------------------------------------   11885
m141108_iid=1701429_0      ------------------------------------------------------------   8969
m141102_iid=987286_0       ------------------------------------------------------------   7493
m150430_iid=3272125_0      ------------------------------------------------------------   10013
m141102_iid=754225_0       ------------------------------------------------------------   9952
m141107_iid=1409934_0      ------------------------------------------------------------   10262
m150503_iid=3416920_0      ------------------------------------------------------------   10188
m141108_iid=1800121_0      ------------------------------------------------------------   10617
m141031_iid=147540_0       ------------------------------------------------------------   11780
m150507_iid=3674924_0      ------------------------------------------------------------   10758
m150503_iid=2923751_0      ------------------------------------------------------------   10134
m141031_iid=115118_0       ------------------------------------------------------------   7981
m150430_iid=2722448_0      ------------------------------------------------------------   9403
m150507_iid=3102647_0      ------------------------------------------------------------   9879
m141108_iid=1811866_0      ------------------------------------------------------------   9038
m150501_iid=2948495_0      ------------------------------------------------------------   10373
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m150503_iid=3388511_0      ------------------------------------------------------------   11571
m150505_iid=3777611_0      ------------------------------------------------------------   11830
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m141107_iid=1383067_0      ------------------------------------------------------------   7061
m141101_iid=597008_0       ------------------------------------------------------------   7145
m150506_iid=2596496_0      ------------------------------------------------------------   10491
m141102_iid=910051_0       ------------------------------------------------------------   7428
m150505_iid=3784017_0      ------------------------------------------------------------   12474
m141101_iid=682151_0       ------------------------------------------------------------   12058
m150501_iid=3748029_0      ------------------------------------------------------------   12282
m150504_iid=2876272_0      ------------------------------------------------------------   14037
NC_042820.1                TTGCACAACCAATAATTTATTAACTAAACCAAAGCCCATAAAAAGAACAAAAATCGCCTA   15749
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m150504_iid=2876274_0      ------------------------------------------------------------   13965
m141030_iid=80036_0        ------------------------------------------------------------   11554
m150506_iid=2596494_0      ------------------------------------------------------------   10983
m150503_iid=2526862_0      ------------------------------------------------------------   13936
m150506_iid=2567000_0      ------------------------------------------------------------   11909
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m150505_iid=2498502_0      ------------------------------------------------------------   10138
m141102_iid=754227_0       ------------------------------------------------------------   10254
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Rdo_MitoGenome             TTGCACAACCAATAATTTATTAACTAAACCAAAACCCATAAAAAGAAAAAAAATCGCCTA   15614
m141101_iid=614933_0       ------------------------------------------------------------   9134


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m150506_iid=3127414_0      ------------------------------------------------------------   11366
m141102_iid=1245517_0      ------------------------------------------------------------   7295
m141107_iid=1405727_0      ------------------------------------------------------------   7315
m141102_iid=987614_0       ------------------------------------------------------------   11885
m141108_iid=1701429_0      ------------------------------------------------------------   8969
m141102_iid=987286_0       ------------------------------------------------------------   7493
m150430_iid=3272125_0      ------------------------------------------------------------   10013
m141102_iid=754225_0       ------------------------------------------------------------   9952
m141107_iid=1409934_0      ------------------------------------------------------------   10262
m150503_iid=3416920_0      ------------------------------------------------------------   10188
m141108_iid=1800121_0      ------------------------------------------------------------   10617
m141031_iid=147540_0       ------------------------------------------------------------   11780
m150507_iid=3674924_0      ------------------------------------------------------------   10758
m150503_iid=2923751_0      ------------------------------------------------------------   10134
m141031_iid=115118_0       ------------------------------------------------------------   7981
m150430_iid=2722448_0      ------------------------------------------------------------   9403
m150507_iid=3102647_0      ------------------------------------------------------------   9879
m141108_iid=1811866_0      ------------------------------------------------------------   9038
m150501_iid=2948495_0      ------------------------------------------------------------   10373
m150504_iid=3238195_0      ------------------------------------------------------------   10610
m150503_iid=3388511_0      ------------------------------------------------------------   11571
m150505_iid=3777611_0      ------------------------------------------------------------   11830
m150430_iid=2438833_0      ------------------------------------------------------------   12224
m141108_iid=1698969_0      ------------------------------------------------------------   11147
m150430_iid=3059190_0      ------------------------------------------------------------   9771
m141107_iid=1383067_0      ------------------------------------------------------------   7061
m141101_iid=597008_0       ------------------------------------------------------------   7145
m150506_iid=2596496_0      ------------------------------------------------------------   10491
m141102_iid=910051_0       ------------------------------------------------------------   7428
m150505_iid=3784017_0      ------------------------------------------------------------   12474
m141101_iid=682151_0       ------------------------------------------------------------   12058
m150501_iid=3748029_0      ------------------------------------------------------------   12282
m150504_iid=2876272_0      ------------------------------------------------------------   14037
NC_042820.1                CGTTTTAAAACAAAAAATGGTGAGGCATTACTATGAACATAAACATTAATAAAAAAATAT   15809
m141102_iid=1228825_0      ------------------------------------------------------------   11951
m150504_iid=2876274_0      ------------------------------------------------------------   13965
m141030_iid=80036_0        ------------------------------------------------------------   11554
m150506_iid=2596494_0      ------------------------------------------------------------   10983
m150503_iid=2526862_0      ------------------------------------------------------------   13936
m150506_iid=2567000_0      ------------------------------------------------------------   11909
m150507_iid=3073271_0      ------------------------------------------------------------   11626
m150504_iid=3156087_0      ------------------------------------------------------------   11376
m150505_iid=2498502_0      ------------------------------------------------------------   10138
m141102_iid=754227_0       ------------------------------------------------------------   10254
m150507_iid=3469514_0      ------------------------------------------------------------   10241
Rdo_MitoGenome             CGTTTTAAAACAAAAAATGGTGAGGCACTACTATGAACATAAACATTAATAAAAAAATAT   15674
m141101_iid=614933_0       ------------------------------------------------------------   9134


m141031_iid=347546_0       ------------------------------------------------     7511
m150506_iid=3127414_0      ------------------------------------------------     11366
m141102_iid=1245517_0      ------------------------------------------------     7295
m141107_iid=1405727_0      ------------------------------------------------     7315
m141102_iid=987614_0       ------------------------------------------------     11885
m141108_iid=1701429_0      ------------------------------------------------     8969
m141102_iid=987286_0       ------------------------------------------------     7493
m150430_iid=3272125_0      ------------------------------------------------     10013
m141102_iid=754225_0       ------------------------------------------------     9952
m141107_iid=1409934_0      ------------------------------------------------     10262
m150503_iid=3416920_0      ------------------------------------------------     10188
m141108_iid=1800121_0      ------------------------------------------------     10617
m141031_iid=147540_0       ------------------------------------------------     11780
m150507_iid=3674924_0      ------------------------------------------------     10758
m150503_iid=2923751_0      ------------------------------------------------     10134
m141031_iid=115118_0       ------------------------------------------------     7981
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m150430_iid=2722448_0      ----------------------------------------------------     9403
m150507_iid=3102647_0      ----------------------------------------------------     9879
m141108_iid=1811866_0      ----------------------------------------------------     9038
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m150504_iid=3238195_0      ----------------------------------------------------     10610
m150503_iid=3388511_0      ----------------------------------------------------     11571
m150505_iid=3777611_0      ----------------------------------------------------     11830
m150430_iid=2438833_0      ----------------------------------------------------     12224
m141108_iid=1698969_0      ----------------------------------------------------     11147
m150430_iid=3059190_0      ----------------------------------------------------     9771
m141107_iid=1383067_0      ----------------------------------------------------     7061
m141101_iid=597008_0       ----------------------------------------------------     7145
m150506_iid=2596496_0      ----------------------------------------------------     10491
m141102_iid=910051_0       ----------------------------------------------------     7428
m150505_iid=3784017_0      ----------------------------------------------------     12474
m141101_iid=682151_0       ----------------------------------------------------     12058
m150501_iid=3748029_0      ----------------------------------------------------     12282
m150504_iid=2876272_0      ----------------------------------------------------     14037
NC_042820.1                AAAAAAATTTAAAAGAACAGATACAAATTTTTGTTTACAAGTAAAGTTT-     15858
m141102_iid=1228825_0      ----------------------------------------------------     11951
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m150506_iid=2596494_0      ----------------------------------------------------     10983
m150503_iid=2526862_0      ----------------------------------------------------     13936
m150506_iid=2567000_0      ----------------------------------------------------     11909
m150507_iid=3073271_0      ----------------------------------------------------     11626
m150504_iid=3156087_0      ----------------------------------------------------     11376
m150505_iid=2498502_0      ----------------------------------------------------     10138
m141102_iid=754227_0       ----------------------------------------------------     10254
m150507_iid=3469514_0      ----------------------------------------------------     10241
Rdo_MitoGenome             AAAAAAATTTAAAAGAACAGATACAAATTTTTGTTTACAAGTAAAGTTTT     15724
m141101_iid=614933_0       ----------------------------------------------------     9134
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