

1
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NC_CP01731:1840890-1842950 GAAATCATGA TCCAAAAAGA TGGGAAATTC CAGTTTGATA AGGATAAAGA
NC_014976:4079508-4081568 GAAATCATGA TCCAAAAAGA TGGGAAATTC CAGTTTGATA AGGATAAAGA
NC_022898:1832049-1834109 GAAATCATGA TCCAAAAAGA TGGGAAATTC CAGTTTGATA AGGATAAAGA
NC_018520:1848510-1850570 GAAATCATGA TCCAAAAAGA TGGGAAATTC CAGTTTGATA AGGATAAAGA
NC_017195:1843504-1845564 GAAATCATGA TCCAAAAAGA TGGGAAATTC CAGTTTGATA AGGATAAAGA
NC_014479:1826454-1828514 GAAATCATGA TCCAAAAAGA TGGGAAATTC CAGTTTGATA AGGATAAAGA

51
NC_000964:1869011-1871071 AGCTGTACAT AGCTATTTTG TAGATTATAT CAATCAAAAC ACAGTCTTCT
NC_CP01731:1840890-1842950 GGCTGTACAT AGCTATTTTG TAGATTATAT CAATCAAAAC ACAGTCTTCT
NC_014976:4079508-4081568 GGCTGTACAT AGCTATTTTG TAGATTATAT CAATCAAAAC ACAGTCTTCT
NC_022898:1832049-1834109 AGCTGTACAT AGCTATTTTG TAGATTATAT CAATCAAAAC ACAGTCTTCT
NC_018520:1848510-1850570 AGCTGTACAT AGCTATTTTG TAGATTATAT CAATCAAAAC ACAGTCTTCT
NC_017195:1843504-1845564 GGCTGTACAT AGCTATTTTG TAGATTATAT CAATCAAAAC ACAGTCTTCT
NC_014479:1826454-1828514 GGCTGTACAT AGCTATTTTG TAGATTATAT CAATCAAAAC ACAGTCTTCT

101
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NC_CP01731:1840890-1842950 TTCACGATTT AAAAGAGAAG CTGGATTATT TGGTTGAAAA TCAATACTAC
NC_014976:4079508-4081568 TTCACGATTT AAAAGAGAAG CTGGATTATT TGGTTGAAAA CCAATACTAC
NC_022898:1832049-1834109 TTCACAAATT AAAAGAGAAG CTGGATTATT TGGTTGAAAA CCAATACTAC
NC_018520:1848510-1850570 TTCACAAATT AAAAGAGAAG CTGGATTATT TGGTTGAAAA CCAATACTAC
NC_017195:1843504-1845564 TTCACGATTT AAAAGAGAAG CTGGATTATT TGAATTGAAAA TCAATACTAC
NC_014479:1826454-1828514 TTCACGATTT AAAAGAGAAG CTGGATTATT TGATTGAAAA CCAATACTAC

151
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NC_014976:4079508-4081568 GAAGAGGAAT TCTTAAGCCT TTAATTCITTTT GAAGACATTA AAGAAGTGTT
NC_022898:1832049-1834109 GAAGAGGAAT TCTTAAGCCT TTAATTCITTTT GAAGACATTA AAGAAGTGTT
NC_018520:1848510-1850570 GAAGAGGAAT TCTTAAGCCT TTAATTCITTTT GAAGACATTA AAGAAGTGTT
NC_017195:1843504-1845564 GAAGAGGAGT TCTTAAGCCT TTAATTCITTTT GAAGACATTA AAGAAGTGTT
NC_014479:1826454-1828514 GAAGAGGAAT TCTTAAGCCT TTAATTCITTTT GAAGACATTA AAGCAGTGTT

201
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NC_014976:4079508-4081568 TAAGACAGCT TACGCTAAGA AGTTTCGTTT TCCITTCCTTC ATGAGTGCGT
NC_022898:1832049-1834109 TAAGACAGCT TACGCTAAGA AGTTTCGTTT TCCITTCCTTC ATGAGTGCGT
NC_018520:1848510-1850570 TAAGACAGCT TACGCTAAGA AGTTTCGTTT TCCITTCCTTC ATGAGTGCGT
NC_017195:1843504-1845564 TAAGACAGCT TACGCTAAGA AGTTTCGTTT TCCITTCCTTC ATGAGTGCGT
NC_014479:1826454-1828514 TAAGACAGCT TACGCTAAGA AGTTTCGTTT TCCITTCCTTC ATGAGTGCGT

251
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NC_014976:4079508-4081568 TTAAATTCTA TAAATGACTAT GCTTTGAAAA CGAATGACAA GAAAAAATC
NC_022898:1832049-1834109 TTAAATTCTA TAAATGACTAT GCTTTGAAAA CGAATGACAA GAAAAAATC
NC_018520:1848510-1850570 TTAAATTCTA TAAATGACTAT GCTTTGAAAA CGAATGACAA GAAAAAATC
NC_017195:1843504-1845564 TTAAATTTTA TAAATGACTAT GCTTTGAAAA CGAATGACAA GAAAAAATC
NC_014479:1826454-1828514 TTAAATTCTA TAAATGACTAT GCTTTGAAAA CGAATGACAA GAAAAAATC

301
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NC_CP01731:1840890-1842950 CTCGAGCGTT ATGAGGACCG GATCTCAATT GTTGCCTGTG TCCTCGCTAA
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NC_018520:1848510-1850570 CTCGAGCGTT ATGAGGACCG GATCTCAATT GTTGCCTGTG TCCTCGCTAA
NC_017195:1843504-1845564 CTCGAGCGTT ATGAGGACCG GATCTCAATT GTTGCCTGTG TCCTCGCTAA
NC_014479:1826454-1828514 CTCGAGCGAT ATGAGGACCG AATCTCAATT GTTGCCTGTG TCCTCGCTAA

351
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NC_014976:4079508-4081568 CGGCGACACT GAGAAAGCAA AAGAATATGT AAACCTGATG ATCAATCAAG
NC_022898:1832049-1834109 CGGCGACACT GAGAAAGCAA AAGAATATGT AAACCTGATG ATCAATCAAG
NC_018520:1848510-1850570 CGGCGACACT GAGAAAGCAA AAGAATATGT AAACCTGATG ATCAATCAAG
NC_017195:1843504-1845564 CGGCGACACT GAGAAAGCAA AGGAATATGT GACCTGATG ATCAATCAGG
NC_014479:1826454-1828514 CGGCGACACT GAGAAAGCAA AAGAATATGT GAACCTGATG ATCAATCAGG

401

NC_000964:1869011-1871071	AATATCAGCC	GAGCACACCG	ACATTTTGA	ATGCCGGCAG	AAAAAGCCGC
NC_CP01731:1840890-1842950	AATATCAGCC	GAGCACACCG	ACATTTCTGA	ACGCCGGCAG	AAAAAGCCGC
NC_014976:4079508-4081568	AATATCAGCC	GAGCACACCG	ACATTTCTGA	ACGCCGGCAG	AAAAAGCCGC
NC_022898:1832049-1834109	AATATCAGCC	GAGCACACCG	ACATTTTGA	ATGCCGGCAG	AAAAAGCCGC
NC_018520:1848510-1850570	AATATCAGCC	GAGCACACCG	ACATTTTGA	ATGCCGGCAG	AAAAAGCCGC
NC_017195:1843504-1845564	AATATCAGCC	GAGCACACCG	ACATTTTGA	ATGCCGGCAG	AAAAAGCCGC
NC_014479:1826454-1828514	AATATCAGCC	AAGCACACCG	ACATTTTGA	ACGCCGGAAG	AAAAAGCCGC

451

NC_000964:1869011-1871071	GGTGAACCTTG	TGAGCTGCTT	CTTGCTCGAA	GTCAATGATT	CTTTAAATGA
NC_CP01731:1840890-1842950	GGTGAACCTTG	TGAGCTGCTT	CTTGCTCGAA	GTCAATGATT	CTTTAAACGA
NC_014976:4079508-4081568	GGTGAACCTTG	TGAGCTGCTT	CTTGCTCGAA	GTCAATGATT	CTTTAAATGA
NC_022898:1832049-1834109	GGTGAACCTTG	TGAGCTGCTT	CTTGCTCGAA	GTCAATGATT	CTTTAAATGA
NC_018520:1848510-1850570	GGTGAACCTTG	TGAGCTGCTT	CTTGCTCGAA	GTCAATGATT	CTTTAAATGA
NC_017195:1843504-1845564	GGAGAACCTTG	TGAGCTGCTT	CTTGCTCGAA	GTCAATGATT	CTTTAAACGA
NC_014479:1826454-1828514	GGAGAACCTTG	TGAGCTGCTT	CTTGCTCGAA	GTCAATGATT	CATTAAACGA

501

NC_000964:1869011-1871071	CATTTCAAGA	GCAATCGATA	TCTCCATGCA	GCTTTCTAAG	CTTGGTGGCG
NC_CP01731:1840890-1842950	CATTTCAAGA	GCGATCGATA	TCTCCATGCA	GCTTTCTAAA	CTGGGCGGAG
NC_014976:4079508-4081568	CATTTCAAGA	GCGATCGATA	TCTCCATGCA	GCTTTCTAAG	CTTGGCGGCG
NC_022898:1832049-1834109	CATTTCAAGA	GCAATCGATA	TCTCCATGCA	GCTTTCTAAG	CTTGGTGGCG
NC_018520:1848510-1850570	CATTTCAAGA	GCAATCGATA	TCTCCATGCA	GCTTTCTAAG	CTTGGTGGCG
NC_017195:1843504-1845564	CATTTCAAGA	GCGATCGATA	TCTCCATGCA	GCTTTCTAAA	CTGGGCGGAG
NC_014479:1826454-1828514	CATTTCAAGA	GCGATCGATA	TCTCCATGCA	GCTTTCAAAA	CTGGGCGGCG

551

NC_000964:1869011-1871071	GGGTTTCTCT	TAACTGTCC	AAGCTTCGCG	CGAAAGGTGA	AGCCATTAAA
NC_CP01731:1840890-1842950	GGGTTTCTCT	TAACTGTCC	AAGCTTCGCG	CGAAAGGTGA	AGCCATTAAA
NC_014976:4079508-4081568	GGGTTTCTCT	TAACTGTCC	AAGCTTCGCG	CGAAAGGTGA	AGCCATTAAA
NC_022898:1832049-1834109	GGGTTTCTCT	TAACTGTCC	AAGCTTCGCG	CGAAAGGTGA	AGCCATTAAA
NC_018520:1848510-1850570	GGGTTTCTCT	TAACTGTCC	AAGCTTCGCG	CGAAAGGTGA	AGCCATTAAA
NC_017195:1843504-1845564	GGGTTTCTCT	TAACTGTCC	AAGCTTCGCG	CGAAAGGTGA	AGCCATTAAA
NC_014479:1826454-1828514	GGGTTTCTCT	TAACTGTCC	AAGCTTCGCG	CGAAAGGTGA	AGCCATTAAA

601

NC_000964:1869011-1871071	GATGTTGAGA	ATGCCACAAA	AGGCGTTGTA	GGCGTCATGA	AGCTTCTTGA
NC_CP01731:1840890-1842950	GATGTTGAGA	ATGCCACAAA	AGGCGTTGTA	GGCGTCATGA	AGCTTCTTGA
NC_014976:4079508-4081568	GATGTTGAAA	ATGCTACAAA	AGGCGTTGTA	GGCGTCATGA	AGCTTCTTGA
NC_022898:1832049-1834109	GATGTTGAGA	ATGCCACAAA	AGGCGTTGTA	GGCGTCATGA	AGCTTCTTGA
NC_018520:1848510-1850570	GATGTTGAGA	ATGCCACAAA	AGGCGTTGTA	GGCGTCATGA	AGCTTCTTGA
NC_017195:1843504-1845564	GATGTTGAGA	ATGCCACAAA	AGGCGTTGTA	GGCGTCATGA	AGCTTCTTGA
NC_014479:1826454-1828514	GATGTTGAAA	ATGCCACAAA	AGGCGTTGTA	GGCGTCATGA	AGCTTCTTGA

651

NC_000964:1869011-1871071	TAAACGCGTTC	CGTTACGCTG	ACCAAATGGG	ACAAAGACAA	GGCTCCGGCG
NC_CP01731:1840890-1842950	TAAACGCGTTC	CGTTACGCTG	ACCAAATGGG	ACAAAGACAA	GGATCCGGCG
NC_014976:4079508-4081568	TAAACGCGTTC	CGTTACGCTG	ACCAAATGGG	ACAAAGACAA	GGCTCTGGCG
NC_022898:1832049-1834109	TAAACGCGTTC	CGTTACGCTG	ACCAAATGGG	ACAAAGACAA	GGCTCCGGCG
NC_018520:1848510-1850570	TAAACGCGTTC	CGTTACGCTG	ACCAAATGGG	ACAAAGACAA	GGCTCCGGCG
NC_017195:1843504-1845564	TAAACGCGTTC	CGTTACGCTG	ACCAAATGGG	ACAAAGACAA	GGATCCGGCG
NC_014479:1826454-1828514	TAAACGCGTTC	CGTTATGCTG	ATCAAATGGG	ACAAAGACAA	GGATCTGGTG

701

NC_000964:1869011-1871071	CGGCGTATTT	AAACATTTTC	CACCGCGATA	TCAATGATTT	TCTTGATACG
NC_CP01731:1840890-1842950	CGGCGTATTT	AAACATTTTC	CACCGCGATA	TCAATGATTT	TCTCGATACG
NC_014976:4079508-4081568	CGGCGTATTT	AAATATTTTC	CACCGCGATA	TCAATGATTT	TCTCGATACG
NC_022898:1832049-1834109	CGGCGTATTT	AAACATTTTC	CACCGCGATA	TCAATGATTT	TCTTGATACG
NC_018520:1848510-1850570	CGGCGTATTT	AAACATTTTC	CACCGCGATA	TCAATGATTT	TCTTGATACG
NC_017195:1843504-1845564	CGGCGTATTT	AAACATTTTC	CACCGCGATA	TCAATGATTT	TCTTGATACG
NC_014479:1826454-1828514	CGGCGTATTT	AAACATTTTC	CACCGCGATA	TCAATGATTT	TCTCGATACG

751

NC_000964:1869011-1871071	AAAAAGATTT	CTGCGGATGA	AGATGTGCGT	GTCAAAACGC	TTTCGATCGG
NC_CP01731:1840890-1842950	AAAAAGATTT	CTGCGGATGA	AGATGTGCGT	GTCAAAACGC	TTTCGATCGG
NC_014976:4079508-4081568	AAAAAGATTT	CAGCGGATGA	AGATGTGCGC	GTCAAAACGC	TTTCGATCGG
NC_022898:1832049-1834109	AAAAAGATTT	CTGCGGATGA	AGATGTGCGT	GTCAAAACGC	TTTCGATCGG
NC_018520:1848510-1850570	AAAAAGATTT	CTGCGGATGA	AGATGTGCGT	GTCAAAACGC	TTTCGATCGG
NC_017195:1843504-1845564	AAAAAGATTT	CTGCGGATGA	AGATGTGCGT	GTCAAAACGC	TTTCTATCGG
NC_014479:1826454-1828514	AAAAAGATTT	CTGCCGATGA	GGATGTGCGC	GTCAAAACAC	TTTCAATCGG

801

NC_000964:1869011-1871071	TGTTGTCATT	CCGGATAAGT	TCGTTGAGCT	TGCACGCGAG	GACAAAGCGG
NC_CP01731:1840890-1842950	TGTTGTCATT	CCGGATAAGT	TCGTTGAGCT	TGCACGCGAG	GACAAAGCGG
NC_014976:4079508-4081568	TGTTGTCATT	CCGGATAAGT	TCGTTGAGCT	TGCACGCGAG	GACAAAGCGG
NC_022898:1832049-1834109	TGTTGTCATT	CCGGATAAGT	TCGTTGAGCT	TGCACGCGAG	GACAAAGCGG
NC_018520:1848510-1850570	TGTTGTCATT	CCGGATAAGT	TCGTTGAGCT	TGCACGCGAG	GACAAAGCGG
NC_017195:1843504-1845564	TGTTGTCATT	CCGGATAAGT	TCGTTGAGCT	TGCACGCGAG	GACAAAGCGG
NC_014479:1826454-1828514	TGTTGTCATT	CCGGATAAGT	TCGTTGAGCT	TGCACGCGAG	GACAAAGCGG

851

NC_000964:1869011-1871071	CTTATGTATT	CTACCCGCAC	ACGATTTATA	AAGAGTACGG	CCAGCACATG
NC_CP01731:1840890-1842950	CTTATGTATT	CTACCCGCAC	ACGATTTATA	AAGAGTACGG	CCAGCACATG
NC_014976:4079508-4081568	CTTATGTATT	CTATCCGCGAC	ACGATTTATA	AAGAGTACGG	CCAGCACATG
NC_022898:1832049-1834109	CTTATGTATT	CTACCCGCAC	ACGATTTATA	AAGAGTACGG	CCAGCACATG
NC_018520:1848510-1850570	CTTATGTATT	CTACCCGCAC	ACGATTTATA	AAGAGTACGG	CCAGCACATG
NC_017195:1843504-1845564	CTTATGTATT	CTATCCGCGAC	ACGATTTATA	AAGAGTACGG	CCAGCACATG
NC_014479:1826454-1828514	CTTATGTATT	CTATCCGCGAC	ACGATTTATA	AAGAGTACGG	CCAGCACATG

901

NC_000964:1869011-1871071	GATGAGATGG	ACATGAACGA	AAATGTACGAC	AAGTTTGTGCG	ACAACCCCTCG
NC_CP01731:1840890-1842950	GATGAGATGG	ACATGAACGA	AAATGTACGAC	AAGTTTGTGCG	ACAACCCCTCG
NC_014976:4079508-4081568	GATGAGATGG	ACATGAACGA	AAATGTACGAC	AAATTTGTGCG	ACAACCCCTCG
NC_022898:1832049-1834109	GATGAGATGG	ACATGAACGA	AAATGTACGAC	AAGTTTGTGCG	ACAACCCCTCG
NC_018520:1848510-1850570	GATGAGATGG	ACATGAACGA	AAATGTACGAC	AAGTTTGTGCG	ACAACCCCTCG
NC_017195:1843504-1845564	GATGAGATGG	ACATGAACGA	AAATGTACGAC	AAGTTTGTGCG	ACAACCCCTCG
NC_014479:1826454-1828514	GATGAGATGG	ACATGAACGA	AAATGTACGAC	AAGTTTGTGCG	ACAACCCCTCG

951

NC_000964:1869011-1871071	GGTGAAAAAG	GAAAAAATCA	ACCCGCGGAA	ACTGCTTTGAA	AAATTTGGCGA
NC_CP01731:1840890-1842950	GGTGAAAAAG	GAAAAAATCA	ACCCGCGGAA	ACTGCTTTGAA	AAATTTGGCGA
NC_014976:4079508-4081568	GGTGAAAAAG	GAAAAAATCA	ACCCGCGGAA	ATTGCTTTGAA	AAATTTGGCGA
NC_022898:1832049-1834109	GGTGAAAAAG	GAAAAAATCA	ACCCGCGGAA	ACTGCTTTGAA	AAATTTGGCGA
NC_018520:1848510-1850570	GGTGAAAAAG	GAAAAAATCA	ACCCGCGGAA	ACTGCTTTGAA	AAATTTGGCGA
NC_017195:1843504-1845564	GGTGAAAAAG	GAAAAAATCA	ACCCGCGGAA	ACTGCTTTGAA	AAATTTGGCGA
NC_014479:1826454-1828514	GGTGAAAAAG	GAAAAAATCA	ACCCGCGGAA	ATTGCTTTGAA	AAATTTGGCGA

1001

NC_000964:1869011-1871071	TGCTTCGTTT	TGAATCAGGC	TATCCATACA	TCATGTTCCA	AGATAACGTC
NC_CP01731:1840890-1842950	TGCTTCGTTT	TGAATCAGGC	TATCCATACA	TCATGTTCCA	AGATAACGTC
NC_014976:4079508-4081568	TGCTTCGTTT	TGAATCAGGC	TATCCATACA	TCATGTTCCA	AGATAACGTC
NC_022898:1832049-1834109	TGCTTCGTTT	TGAATCAGGC	TATCCATACA	TCATGTTCCA	AGATAACGTC
NC_018520:1848510-1850570	TGCTTCGTTT	TGAATCAGGC	TATCCATACA	TCATGTTCCA	AGATAACGTC
NC_017195:1843504-1845564	TGCTTCGTTT	TGAATCAGGC	TATCCATACA	TCATGTTCCA	AGATAACGTC
NC_014479:1826454-1828514	TGCTTCGTTT	TGAATCAGGC	TATCCATACA	TCATGTTCCA	AGATAACGTC

1051

NC_000964:1869011-1871071	AATAAAGTGC	ATGCGAATAA	CCATATTTCC	AAGGTCAAAT	TTTCTAACCT
NC_CP01731:1840890-1842950	AATAAAGTGC	ATGCGAATAA	CCATATTTCC	AAGGTCAAAT	TTTCTAACCT
NC_014976:4079508-4081568	AATAAAGTGC	ATGCGAATAA	CCATATTTCC	AAGGTCAAAT	TTTCTAACCT
NC_022898:1832049-1834109	AATAAAGTGC	ATGCGAATAA	CCATATTTCC	AAGGTCAAAT	TTTCTAACCT
NC_018520:1848510-1850570	AATAAAGTGC	ATGCGAATAA	CCATATTTCC	AAGGTCAAAT	TTTCTAACCT
NC_017195:1843504-1845564	AATAAAGTGC	ATGCGAATAA	CCATATTTCC	AAGGTCAAAT	TTTCTAACCT
NC_014479:1826454-1828514	AATAAAGTGC	ATGCGAATAA	CCATATTTCC	AAGGTCAAAT	TTTCTAACCT

1101

NC_000964:1869011-1871071	TTGCTCTGAA	GTGCTGCAGG	CATCTCAAGT	TTCTTCATAC	ACAGACTATG
NC_CP01731:1840890-1842950	TTGCTCTGAA	GTGCTGCAGG	CATCTCAAGT	TTCTTCATAC	ACAGACTATG
NC_014976:4079508-4081568	TTGCTCTGAA	GTGCTGCAGG	CATCTCAAGT	TTCTTCATAC	ACAGACTATG
NC_022898:1832049-1834109	TTGCTCTGAA	GTGCTGCAGG	CATCTCAAGT	TTCTTCATAC	ACAGACTATG
NC_018520:1848510-1850570	TTGCTCTGAA	GTGCTGCAGG	CATCTCAAGT	TTCTTCATAC	ACAGACTATG
NC_017195:1843504-1845564	TTGCTCTGAA	GTGCTGCAGG	CATCTCAAGT	TTCTTCATAC	ACAGACTATG
NC_014479:1826454-1828514	TTGCTCTGAA	GTGCTGCAGG	CATCTCAAGT	TTCTTCATAC	ACAGACTATG

1151

NC_000964:1869011-1871071	ATGAAGAAGA	TGAAATCGGT	CTGGATATTT	CCTGCAACCT	GGGTTGCGTT
NC_CP01731:1840890-1842950	ATGAAGAAGA	TGAAATCGGT	CTGGATATTT	CCTGCAACCT	GGGTTGCGTT
NC_014976:4079508-4081568	ATGAAGAAGA	TGAAATCGGT	CTGGATATTT	CCTGCAACCT	GGGTTGCGTT
NC_022898:1832049-1834109	ATGAAGAAGA	TGAAATCGGT	CTGGATATTT	CCTGCAACCT	GGGTTGCGTT
NC_018520:1848510-1850570	ATGAAGAAGA	TGAAATCGGT	CTGGATATTT	CCTGCAACCT	GGGTTGCGTT
NC_017195:1843504-1845564	ATGAAGAAGA	TGAAATCGGT	CTGGATATTT	CCTGCAACCT	GGGTTGCGTT
NC_014479:1826454-1828514	ATGAAGAAGA	TGAAATCGGT	CTGGATATTT	CCTGCAACCT	GGGTTGCGTT

1201
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NC_CP01731:1840890-1842950 AACATTCTTAA ATGTCATGGA GCATAAAATCA ATCGAAAAGA CAGTCAAGCT
NC_014976:4079508-4081568 AACATTCTCTCA ATGTCATGGA GCATAAAATCA ATCGAAAAGA CAGTCAAGCT
NC_022898:1832049-1834109 AACATTCTCTCA ATGTCATGGA GCATAAAATCA ATCGAAAAGA CAGTCAAGCT
NC_018520:1848510-1850570 AACATTCTCTCA ATGTCATGGA GCATAAAATCA ATCGAAAAGA CAGTCAAGCT
NC_017195:1843504-1845564 AACATTCTCTCA ATGTCATGGA GCATAAAATCA ATCGAAAAGA CAGTCAAGCT
NC_014479:1826454-1828514 AACATTCTCTCA ACGTAATGGA GCACAAATCG ATTGAAAAGA CTGTTAAGCT

1251
NC_000964:1869011-1871071 TGGACAGAC TCTTTAACAC ACGTGTCTGA AACCAACAGAC ATCCGTAATG
NC_CP01731:1840890-1842950 TGGACAGAC TCTTTAACAC ACGTGTCTGA AACCAACTGAC ATCCGTAATG
NC_014976:4079508-4081568 TGGACAGAC TCTTTAACAC ACGTGTCTGA AACCAACTGAC ATCCGTAATG
NC_022898:1832049-1834109 TGGACAGAC TCTTTAACAC ACGTGTCTGA AACCAACAGAC ATCCGTAATG
NC_018520:1848510-1850570 TGGACAGAC TCTTTAACAC ACGTGTCTGA AACCAACAGAC ATCCGTAATG
NC_017195:1843504-1845564 TGGACAGAC TCTTTAACAC ACGTGTCTGA AACCAACTGAC ATCCGTAATG
NC_014479:1826454-1828514 TGGACTGAT TCTTTAACTC ACGTTTCTGA AACGACTGAT ATCCGTAATG

1301
NC_000964:1869011-1871071 CGCCTGCTGT AAGACGGGCA AACAAAGCGA TGAAATCAAT CGGCCTCGGT
NC_CP01731:1840890-1842950 CGCCTGCTGT AAGACGGGCA AACAAAGCGA TGAAATCAAT CGGCCTCGGT
NC_014976:4079508-4081568 CGCCTGCTGT AAGACGGGCA AACAAAGCGA TGAAATCAAT CGGCCTCGGT
NC_022898:1832049-1834109 CGCCTGCTGT AAGACGGGCA AACAAAGCGA TGAAATCAAT CGGCCTCGGT
NC_018520:1848510-1850570 CGCCTGCTGT AAGACGGGCA AACAAAGCGA TGAAATCAAT CGGCCTCGGT
NC_017195:1843504-1845564 CGCCTGCTGT AAGACGGGCA AACAAAGCGA TGAAATCAAT CGGCCTAGGT
NC_014479:1826454-1828514 CGCCTGCTGT AAGACGGGCA AACAAAGCGA TGAAATCAAT CGGCCTCGGT

1351
NC_000964:1869011-1871071 GGTATGAACC TTCACGGCTA CCTTGCGCAA AACGGCATTG CGTATGAAAG
NC_CP01731:1840890-1842950 GGTATGAACC TTCACGGCTA CCTTGCGCAA AACGGCATTG CGTATGAAAG
NC_014976:4079508-4081568 GGTATGAACC TTCACGGCTA CCTTGCGCAA AACGGCATTG CGTATGAAAG
NC_022898:1832049-1834109 GGTATGAACC TTCACGGCTA CCTTGCGCAA AACGGCATTG CGTATGAAAG
NC_018520:1848510-1850570 GGTATGAACC TTCACGGCTA CCTTGCGCAA AACGGCATTG CGTATGAAAG
NC_017195:1843504-1845564 GGTATGAACC TTCACGGCTA CCTTGCGCAA AACGGCATTG CATATGAAAG
NC_014479:1826454-1828514 GGTATGAACC TTCACGGATA CCTTGCGCAA AACGGCATCG CGTATGAAAG

1401
NC_000964:1869011-1871071 TCCGGAAGCG CGTGACTTTG CAAACACGTT CTTTATGATG GTGAATTTCT
NC_CP01731:1840890-1842950 TCCGGAAGCG CGTGACTTTG CAAACACGTT CTTTATGATG GTGAATTTCT
NC_014976:4079508-4081568 TCCGGAAGCG CGTGACTTTG CAAACACGTT CTTTATGATG GTGAATTTCT
NC_022898:1832049-1834109 TCCGGAAGCG CGTGACTTTG CAAACACGTT CTTTATGATG GTGAATTTCT
NC_018520:1848510-1850570 TCCGGAAGCG CGTGACTTTG CAAACACGTT CTTTATGATG GTGAATTTCT
NC_017195:1843504-1845564 TCCGGAAGCG CGTGACTTTG CAAACACGTT CTTTATGATG GTGAATTTCT
NC_014479:1826454-1828514 CCCGAAGCG CGTGACTTTG CGAACACATT CTTTATGATG GTGAATTTCT

1451
NC_000964:1869011-1871071 ACTCCATCCA GCGTCTGCG GAAATCGCAA AAGAGAAGGG CGAAACGTTT
NC_CP01731:1840890-1842950 ACTCCATCCA GCGTCTGCG GAAATCGCAA AAGAGAAGGG TGAAACGTTT
NC_014976:4079508-4081568 ACTCCATCCA GCGTCTGCG GAAATCGCAA AAGAGAAGGG CGAAACGTTT
NC_022898:1832049-1834109 ACTCCATCCA GCGTCTGCG GAAATCGCAA AAGAGAAGGG CGAAACGTTT
NC_018520:1848510-1850570 ACTCCATCCA GCGTCTGCG GAAATCGCAA AAGAGAAGGG CGAAACGTTT
NC_017195:1843504-1845564 ACTCCATCCA GCGTCTGCG GAAATCGCAA AAGAGAAGGG CGAAACGTTT
NC_014479:1826454-1828514 ACTCTATCCA GCGTCTGCG GAGATCGCAA AAGAGAAGGG CGAGACGTTT

1501
NC_000964:1869011-1871071 GATCAATATG AAGGATCAAC CTATGCGACA GGTGAATACT TCGACAAATA
NC_CP01731:1840890-1842950 GATCAATATG AAGGCTCAAC CTATGCGACA GGTGAATACT TTGACAAATA
NC_014976:4079508-4081568 GATCAATATG AAGGCTCAAC CTATGCGACA GGTGAATACT TTGACAAATA
NC_022898:1832049-1834109 GATCAATATG AAGGATCAAC CTATGCGACA GGTGAATACT TCGACAAATA
NC_018520:1848510-1850570 GATCAATATG AAGGATCAAC CTATGCGACA GGTGAATACT TCGACAAATA
NC_017195:1843504-1845564 GATCAATATG AAGGTTCAAC CTATGCGACA GGTGAATACT TTGACAAATA
NC_014479:1826454-1828514 GATCAATATG AAGGATCAAC CTATGCAACT GGTGAATACT TCGATAAGTA

1551
NC_000964:1869011-1871071 CGTTTCAACT GATTTCTCAC CGAAATACGA AAAAAATCGCT AATCTGTTTG
NC_CP01731:1840890-1842950 CGTTTCTACT GATTTCTCAC CGAAATATGA AAAAAATAGCT AATCTGTTTG
NC_014976:4079508-4081568 CGTTTCTACT GATTTCTCAC CGAAATATGA AAAAAATCGCT AATCTGTTTG
NC_022898:1832049-1834109 CGTTTCAACT GATTTCTCAC CGAAATACGA AAAAAATCGCT AATCTGTTTG
NC_018520:1848510-1850570 CGTTTCAACT GATTTCTCAC CGAAATACGA AAAAAATCGCT AATCTGTTTG
NC_017195:1843504-1845564 CGTTTCTACT GATTTCTCAC CGAAATATGA AAAAAATCGCT AATCTGTTTG
NC_014479:1826454-1828514 CGTTTCAACT GATTTCTCGC CGAAATACGA AAAAAATGCA AATCTGTTTG

1601
NC_000964:1869011-1871071 AAGGATGCA TATCCCAGG ACAGAGGACT GGAAAAAGCT AAAAGCATT
NC_CP01731:1840890-1842950 AAGGATGCA TATCCCAGG ACAGAGGACT GGAAAAAGCT AAAAGCATT
NC_014976:4079508-4081568 AAGGATGCA TATCCCAGG ACAGAGGACT GGAAAAAGCT AAAAGCATT
NC_022898:1832049-1834109 AAGGATGCA TATCCCAGG ACAGAGGACT GGAAAAAGCT AAAAGCATT
NC_018520:1848510-1850570 AAGGATGCA TATCCCAGG ACAGAGGACT GGAAAAAGCT AAAAGCATT
NC_017195:1843504-1845564 AAGGATGCA TATCCCAGG ACAGAGGACT GGAAAAAGCT AAAAGCATT
NC_014479:1826454-1828514 AAGCATGCA CATCCCAGG ACAGAGGACT GGAAACAATT AAAAGCATT

1651
NC_000964:1869011-1871071 GTGGGTGAAC ACGGTATGTA TCACAGCTAC AGATTATGCA TTGCGCCGAC
NC_CP01731:1840890-1842950 GTGGGTGAAC ACGGTATGTA TCACAGCTAC AGATTATGCA TTGCGCCGAC
NC_014976:4079508-4081568 GTGGGTGAAC ACGGTATGTA TCACAGCTAC AGATTATGCA TTGCGCCGAC
NC_022898:1832049-1834109 GTGGGTGAAC ACGGTATGTA TCACAGCTAC AGATTATGCA TTGCGCCGAC
NC_018520:1848510-1850570 GTGGGTGAAC ACGGTATGTA TCACAGCTAC AGATTATGCA TTGCGCCGAC
NC_017195:1843504-1845564 GTGGGTGAAC ACGGTATGTA TCACAGCTAC AGATTATGCA TTGCGCCGAC
NC_014479:1826454-1828514 GTGGGTGAAC ACGGCATGTA TCACAGCTAC AGATTATGCA TTGCGCCGAC

1701
NC_000964:1869011-1871071 AGGCTCTATC TCATACGTTT AATCAAGCAC GGCGTCTGTT ATGCCGATTA
NC_CP01731:1840890-1842950 AGGCTCTATC TCATACGTTT AATCAAGTAC GGCGTCTGTT ATGCCGATTA
NC_014976:4079508-4081568 AGGCTCTATC TCATACGTTT AATCAAGCAC GGCGTCTGTT ATGCCGATTA
NC_022898:1832049-1834109 AGGCTCTATC TCATACGTTT AATCAAGCAC GGCGTCTGTT ATGCCGATTA
NC_018520:1848510-1850570 AGGCTCTATC TCATACGTTT AATCAAGCAC GGCGTCTGTT ATGCCGATTA
NC_017195:1843504-1845564 AGGCTCTATC TCATACGTTT AATCAAGTAC GGCGTCTGTT ATGCCGATTA
NC_014479:1826454-1828514 AGGCTCTATC TCATACGTTT AATCAAGCAC GGCTCTGTT ATGCCGATTA

1751
NC_000964:1869011-1871071 TGAACGGAT TGAAGAACGA ACATACGGCA ACTCAAAAAAC GTACTACCCA
NC_CP01731:1840890-1842950 TGAACGCAT TGAAGAACGA ACATACGGCA ACTCAAAAAAC GTACTACCCA
NC_014976:4079508-4081568 TGAACGCAT TGAAGAACGA ACATACGGCA ACTCAAAAAAC GTACTACCCA
NC_022898:1832049-1834109 TGAACGGAT TGAAGAACGA ACATACGGCA ACTCAAAAAAC GTACTACCCA
NC_018520:1848510-1850570 TGAACGGAT TGAAGAACGA ACATACGGCA ACTCAAAAAAC GTACTACCCA
NC_017195:1843504-1845564 TGAACGCAT TGAAGAACGA ACATACGGCA ACTCAAAAAAC GTACTACCCA
NC_014479:1826454-1828514 TGAACGGAT TGAAGAAAGA ACATACGGCA ACTCAAAAAAC GTACTACCCA

1801
NC_000964:1869011-1871071 ATGCCGTGGG TTGCATCTAA TAACTGGTTC TTCTATAAAG AAGCCTACGA
NC_CP01731:1840890-1842950 ATGCCGTGGG TTGCATCTAA TAACTGGTTC TTCTATAAAG AAGCCTACGA
NC_014976:4079508-4081568 ATGCCGTGGG TTGCATCTAA TAACTGGTTC TTCTATAAAG AAGCCTACGA
NC_022898:1832049-1834109 ATGCCGTGGG TTGCATCTAA TAACTGGTTC TTCTATAAAG AAGCCTACGA
NC_018520:1848510-1850570 ATGCCGTGGG TTGCATCTAA TAACTGGTTC TTCTATAAAG AAGCCTACGA
NC_017195:1843504-1845564 ATGCCGTGGG TTGCATCTAA TAACTGGTTC TTCTATAAAG AAGCCTACGA
NC_014479:1826454-1828514 ATGCCGTGGG TTGCATCTAA TAACTGGTTC TTCTACAAAG AAGCCTATGA

1851
NC_000964:1869011-1871071 TATGGACATG TTCAAGGTTG TGGATATGAT CGCCACTATC CAGCAGCACA
NC_CP01731:1840890-1842950 TATGGACATG TTCAAGGTTG TGGATATGAT CGCCACTATC CAGCAGCACA
NC_014976:4079508-4081568 TATGGACATG TTCAAGGTTG TGGATATGAT CGCCACTATC CAGCAGCACA
NC_022898:1832049-1834109 TATGGACATG TTCAAGGTTG TGGATATGAT CGCCACTATC CAGCAGCACA
NC_018520:1848510-1850570 TATGGACATG TTCAAGGTTG TGGATATGAT CGCCACTATC CAGCAGCACA
NC_017195:1843504-1845564 TATGGACATG TTCAAGGTTG TGGATATGAT CGCCACTATC CAGCAGCACA
NC_014479:1826454-1828514 TATGGATATG TTCAAAGTCG TAGATATGAT CGCGACAATC CAGCAGCATG

1901
NC_000964:1869011-1871071 TTGATCAGGG AATCAGCTTT ACATTGTTCT TAAAAGACAC AATGACGACC
NC_CP01731:1840890-1842950 TTGATCAGGG AATCAGCTTT ACATTGTTCT TAAAAGACAC AATGACGACC
NC_014976:4079508-4081568 TTGATCAGGG AATCAGCTTT ACATTGTTCT TAAAAGACAC AATGACGACC
NC_022898:1832049-1834109 TTGATCAGGG AATCAGCTTT ACATTGTTCT TAAAAGACAC AATGACGACC
NC_018520:1848510-1850570 TTGATCAGGG AATCAGCTTT ACATTGTTCT TAAAAGACAC AATGACGACC
NC_017195:1843504-1845564 TTGATCAGGG AATCAGCTTT ACATTGTTCT TAAAAGACAC AATGACGACC
NC_014479:1826454-1828514 TTGATCAGGG AATCAGCTTT ACATTGTTCC TAAAAGATAC AATGACGACT

1951
NC_000964:1869011-1871071 CGAGATTTAA ACCGAATCGA TCTGTATGCA CATCATAGAG GAATTTAAAC
NC_CP01731:1840890-1842950 CGTGATTTAA ACCGAATCGA TCTGTATGCA CATCATAGAG GTATTAAAC
NC_014976:4079508-4081568 CGTGATTTAA ACCGAATCGA TCTGTATGCG CATCACAGAG GAATTTAAAC
NC_022898:1832049-1834109 CGAGATTTAA ACCGAATCGA TCTGTATGCA CATCATAGAG GAATTTAAAC
NC_018520:1848510-1850570 CGAGATTTAA ACCGAATCGA TCTGTATGCA CATCATAGAG GAATTTAAAC
NC_017195:1843504-1845564 CGTGATTTAA ACCGAATCGA TCTGTATGCA CATCATAGAG GAATTTAAAC
NC_014479:1826454-1828514 CGTGATTTAA ACCGGATTGA TTTGTATGCA CATCACAGAG GAATTTAAAC

2001

NC_000964:1869011-1871071	CATTTACTAT	GCAAGAACGA	AAGATACTGG	GCAAGACAGC	TGCCTTTCTT
NC_CP01731:1840890-1842950	CATTTACTAT	GCAAGAACGA	AAGATACTGG	GCAAGATAGC	TGCCTTTCTT
NC_014976:4079508-4081568	CATTTACTAT	GCAAGAACGA	AAGATACTGG	ACAAGACAGC	TGCCTTTCTT
NC_022898:1832049-1834109	CATTTACTAT	GCAAGAACGA	AAGATACTGG	GCAAGACAGC	TGCCTTTCTT
NC_018520:1848510-1850570	CATTTACTAT	GCAAGAACGA	AAGATACTGG	GCAAGACAGC	TGCCTTTCTT
NC_017195:1843504-1845564	CATTTACTAT	GCAAGAACGA	AAGATACTGG	GCAAGACAGC	TGCCTTTCTT
NC_014479:1826454-1828514	CATTTACTAT	GCAAGAACGA	AAGATACTGG	GCAAGACAGC	TGCCTTTCTT

2051

NC_000964:1869011-1871071	GTGTTGTTTG	A
NC_CP01731:1840890-1842950	GTGTTGTTTG	A
NC_014976:4079508-4081568	GTGTTGTTTG	A
NC_022898:1832049-1834109	GTGTTGTTTG	A
NC_018520:1848510-1850570	GTGTTGTTTG	A
NC_017195:1843504-1845564	GTGTTGTTTG	A
NC_014479:1826454-1828514	GTGTTGTTTG	A