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FIG. 1

RD056399 1 ATGGGTACGGACAAAGGAAAAACCTTCACCTGGTATGGTCCCGACTGCCAATTCTACTGACCTTCCTGCGCGATCTCGCAITTCGGAGGATCGGATTCCG 100
NSM243-16 ATGGGTACGGACAAAGGAAAAACCTTCACCTGGTATGGTCCCGACTGCCAATTCTACTGACCTTCCTGCGCGATCTCGCAITTCGGAGGATCGGATTCCG

RD056399 101 TGTACCTTTTTTTTTTTTGTTCCTGAAAGAAAAAAGGATTTCAGTTCCTGAAAAATGATTCCAAACCTGACCCAAAAAACCGCCCCCTTGGG 200
NSM243-16 TGTACCTTTTTTTTTTTTGTTCCTGAAAGAAAAAAGGATTTCAGTTCCTGAAAAATGATTCCAAACCTGACCCAAAAAACCGCCCCCTTGGG

RD056399 201 TGTCTAATGGCTAACAGGCAAGAACTGGCGGCCATAACCGGAGGACAGCCTTCCTTTGGCTATCCGTGGCAATGTAAAGCAACCTTCGTCTTCACACT 300
NSM243-16 TGTCTAATGGCTAACAGGCAAGAACTGGCGGCCATAACCGGAGGACAGCCTTCCTTTGGCTATCCGTGGCAATGTAAAGCAACCTTCGTCTTCACACT

RD056399 301 TCCCTTTGTGCTATCATATAATCGCCCTCCGAGCCCAAGCTTCGGTGGTACTCCGTGGTGGGACTTTATTTTTGTCTTCAACAAAGTTATACCAAGC 400
NSM243-16 TCCCTTTGTGCTATCATATAATCGCCCTCCGAGCCCAAGCTTCGGTGGTGGTACTCCGTGGTGGGACTTTATTTTTGTCTTCAACAAAGTTATACCAAGC

RD056399 401 TGTGGCTCCCAACCAATTATGCGGAGCTGGATGCCACGGACCGCTCTACTGACCAATTACCAACATTGCGCAACGCTGTAGGTATACGATGTCAAAAGTTC 500
NSM243-16 TGTGGCTCCCAACCAATTATGCGGAGCTGGATGCCACGGACCGCTCTACTGACCAATTACCAACATTGCGCAACGCTGTAGGTATACGATGTCAAAAGTTC

RD056399 501 TTGAGCCGCCATCCTGGTGGAAACGGATACTCTCTGCTCGGAGCTGGTGGAGATGTCACTCCGGTAAAGTTCACGTAATTCGATTAGCAATCGCAATCC 600
NSM243-16 TTGAGCCGCCATCCTGGTGGAAACGGATACTCTCTGCTCGGAGCTGGTGGAGATGTCACTCCGGTAAAGTTCACGTAATTCGATTAGCAATCGCAATCC

RD056399 601 GTTAATGGTCAATCAGCGTGAATGATACGATGCACTGCAAGAGCGGATAGTCTAAAAAATCATGCAACTTCCTTTGGCTCCCTCGGGATTTCATGA 700
NSM243-16 GTTAATGGTCAATCAGCGTGAATGATACGATGCACTGCAAGAGCGGATAGTCTAAAAAATCATGCAACTTCCTTTGGCTCCCTCGGGATTTCATGA

RD056399 701 TACAACCTGTAGGTCTTTGAGATGTACCGAGGTTTGGAGCTGAGAGGCTATCATGAAGTACGAATGGGTGCGGACACGCGCTTATGCAATGAGGTAGT 800
NSM243-16 TACAACCTGTAGGTCTTTGAGATGTACCGAGGTTTGGAGCTGAGAGGCTATCATGAAGTACGAATGGGTGCGGACACGCGCTTATGCAATGAGGTAGT

RD056399 801 CACTTAACCTTTGGCGCTGAGGAGCGGCTTAACGAGCACTTTTGGACATTGTTTGGGACATTAGGAAGTATTATGTTGGCACACTGGTCTCGAATGAG 900
NSM243-16 CACTTAACCTTTGGCGCTGAGGAGCGGCTTAACGAGCACTTTTGGACATTGTTTGGGACATTAGGAAGTATTATGTTGGCACACTGGTCTCGAATGAG

RD056399 901 TTGCCCATCTTCCCGGAGCCAAACGGTGTTCACAAAGACCATCAAGGCGAGAGTGGAGGATACITTTAAGGATCGGAACATGGATCCCAAGGTAAAAATTG 1000
NSM243-16 TTGCCCATCTTCCCGGAGCCAAACGGTGTTCACAAAGACCATCAAGGCGAGAGTGGAGGATACITTTAAGGATCGGAACATGGATCCCAAGGTAAAAATTG

RD056399 1001 TTGTCCGATAGCAAGTATGTGTCTGTGGGAAGGTATTCTGCTGCTTATTAACTGGATCCCAACATTTGGGTTCTACCGAGTTTAGAACAGACCAGA 1100
NSM243-16 TTGTCCGATAGCAAGTATGTGTCTGTGGGAAGGTATTCTGCTGCTTATTAACTGGATCCCAACATTTGGGTTCTACCGAGTTTAGAACAGACCAGA

RD056399 1101 GATCTGGGGACGGTATGCTCTCATCTTTGGATCCTTGATCGCCTCTTACTACGCGAGCTCTTTGTACCGTTCTGTGCAACGTACATGGCTCCAGGTG 1200
NSM243-16 GATCTGGGGACGGTATGCTCTCATCTTTGGATCCTTGATCGCCTCTTACTACGCGAGCTCTTTGTACCGTTCTGTGCAACGTACATGGCTCCAGGTG

RD056399 1201 GTGTTTGTATCATCATGGGATTTCGGTGGCTCAAGTGGGACTGAACCCCTCTTCAGGATGCTCCACITTTTCAGGTAAGACCTGGATATCGGATCCA 1300
NSM243-16 GTGTTTGTATCATCATGGGATTTCGGTGGCTCAAGTGGGACTGAACCCCTCTTCAGGATGCTCCACITTTTCAGGTAAGACCTGGATATCGGATCCA

RD056399 1301 TTGCACTAAGTCAAAAAAAGGAACACGTATGTGTCTGATATGATTGTACTTGGAAATCGATTCTAGTGACCCCAACCCACCCTTTGGAAGATTCTCG 1400
NSM243-16 TTGCACTAAGTCAAAAAAAGGAACACGTATGTGTCTGATATGATTGTACTTGGAAATCGATTCTAGTGACCCCAACCCACCCTTTGGAAGATTCTCG

RD056399 1401 GAGCCACGACGACTTTTCAACGGAGCATCGTATCTTGTGGATGTACCAACATATGCTCGGCCATCATCCCTATACCAACATTGCTGGAGCGGATCC 1500
NSM243-16 GAGCCACGACGACTTTTCAACGGAGCATCGTATCTTGTGGATGTACCAACATATGCTCGGCCATCATCCCTATACCAACATTGCTGGAGCGGATCC

RD056399 1501 CGATGTGTGACCTCTGAGCCGATGTTCGTGCTATCAAGCCCAACAAAGTGGTTCGTCAACCATCAACAGCACATGTTTGTCTTCTCTGTAT 1600
NSM243-16 CGATGTGTGACCTCTGAGCCGATGTTCGTGCTATCAAGCCCAACAAAGTGGTTCGTCAACCATCAACAGCACATGTTTGTCTTCTCTGTAT

RD056399 1601 GGACTGCTGGCGTTCAAGGTGCGAATCCAGGACATCAACATCTTGTACTTTGTCAAGACCAATGACGCCATTCTGTGCAACCCCATCTCCACTTGGCACA 1700
NSM243-16 GGACTGCTGGCGTTCAAGGTGCGAATCCAGGACATCAACATCTTGTACTTTGTCAAGACCAATGACGCCATTCTGTGCAACCCCATCTCCACTTGGCACA

RD056399 1701 CTGCTATGTTCTGGGGCGAAAGGCCCTTCCTTGTCTGTTACCGCTTGATCGTTCCTCATGCACTCTCTGCCCCGCAAGGTGTGCTCTTGTTCACAGT 1800
NSM243-16 CTGCTATGTTCTGGGGCGAAAGGCCCTTCCTTGTCTGTTACCGCTTGATCGTTCCTCATGCACTCTCTGCCCCGCAAGGTGTGCTCTTGTTCACAGT

RD056399 1801 CGCAGACATGCTCTCTTCTTACTGGCTGGCGCTGACTTTCCAAAGCGAACACGTTGTTGAGGAAGTTCAAGTGGCGGTGCTGACGAGAAATGGAATCATC 1900
NSM243-16 CGCAGACATGCTCTCTTCTTACTGGCTGGCGCTGACTTTCCAAAGCGAACACGTTGTTGAGGAAGTTCAAGTGGCGGTGCTGACGAGAAATGGAATCATC

RD056399 1901 CAAAAGGACTGGGCTGCCATGCAAGTCCGAGACACCCAGGATTACGCCACGATTGCACTCTGAGACGACATCACGGGACGTTGAATACCAAGCGG 2000
NSM243-16 CAAAAGGACTGGGCTGCCATGCAAGTCCGAGACACCCAGGATTACGCCACGATTGCACTCTGAGACGACATCACGGGACGTTGAATACCAAGCGG

RD056399 2001 TTCACCATCTGTTCCCAACGCTGTCCAGCATCACTACCTGATATCTGCGCATCATCAAGGACACCTGACGCGAGTACAGGTGCCATACCTCTGCAA 2100
NSM243-16 TTCACCATCTGTTCCCAACGCTGTCCAGCATCACTACCTGATATCTGCGCATCATCAAGGACACCTGACGCGAGTACAGGTGCCATACCTCTGCAA

RD056399 2101 GGTACGCTTCTTTTTTTTTTTTTTTTCTTTTCTTTTCTGCTATATATATCCAAATGCTCTGCTGATGTTGTTGCCCCAAGTCTGTTGTGATTA 2200
NSM243-16 GGTACGCTTCTTTTTTTTTTTTTTTTCTTTTCTTTTCTGCTATATATATCCAAATGCTCTGCTGATGTTGTTGCCCCAAGTCTGTTGTGATTA

RD056399 2201 ACAAAATGATGCTCTTCTTTTCTTTTATTTCTGAACAGGATACCTTTTGGCAAGCGTTTGTCTTCAATTGGAGCACTTGTGCTGCTCCGTCCTCCAA 2300
NSM243-16 ACAAAATGATGCTCTTCTTTTCTTTTATTTCTGAACAGGATACCTTTTGGCAAGCGTTTGTCTTCAATTGGAGCACTTGTGCTGCTCCGTCCTCCAA

RD056399 2301 GGAAGATAG 2310
NSM243-16 GGAAGATAG