







1780 1790 1800 1810 1820 1830 1840 1850
AGAGTATCAGTGTGCATGGCTGGATATGTATCACC GCGTCTTTGATCGCGTCAGCGCCGTCGTCGGTGAACAGG
G0211189-1.seq(1>11321) → AGAGTATCAGTGTGCATGGCTGGATATGTATCACC GCGTCTTTGATCGCGTCAGCGCCGTCGTCGGTGAACAGG

1860 1870 1880 1890 1900 1910 1920
TATGGAATTTGCGCGATTTTGCACCTCGCAAGGCATATTGCGCGTTGGCGGTAACAAGAAAGGGATCTTCACT
G0211189-1.seq(1>11321) → TATGGAATTTGCGCGATTTTGCACCTCGCAAGGCATATTGCGCGTTGGCGGTAACAAGAAAGGGATCTTCACT

1930 1940 1950 1960 1970 1980 1990
CGCGACCGCAAACCGAAGTCGGCGGCTTTTCTGCTGCAAAAACGCTGGACTGGCATGAACTTCGGTGAAAAACC
G0211189-1.seq(1>11321) → CGCGACCGCAAACCGAAGTCGGCGGCTTTTCTGCTGCAAAAACGCTGGACTGGCATGAACTTCGGTGAAAAACC

2000 2010 2020 2030 2040 2050 2060 2070
GCAGCAGGGAGGCAAACAAGCTAGCCACCACCACCACCACGCTGTGAATTACAGGTGACCAGCTCGAATTTTC
G0211189-1.seq(1>11321) → GCAGCAGGGAGGCAAACAAGCTAGCCACCACCACCACCACGCTGTGAATTACAGGTGACCAGCTCGAATTTTC

2080 2090 2100 2110 2120 2130 2140
CCCGATCGTTCAAACATTTGGCAATAAAGTTTCTTAAGATTGAATCCTGTTGCCGGTCTTGCGATGATTATCAT
G0211189-1.seq(1>11321) → CCCGATCGTTCAAACATTTGGCAATAAAGTTTCTTAAGATTGAATCCTGTTGCCGGTCTTGCGATGATTATCAT

2150 2160 2170 2180 2190 2200 2210 2220
ATAATTTCTGTTGAATTACGTTAAGCATGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTT
G0211189-1.seq(1>11321) → ATAATTTCTGTTGAATTACGTTAAGCATGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTT

2230 2240 2250 2260 2270 2280 2290
TTATGATTAGAGTCCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAAA
G0211189-1.seq(1>11321) → TTATGATTAGAGTCCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAAA

2300 2310 2320 2330 2340 2350 2360
TTATCGCGCGCGGTGTCATCTATGTTACTAGATCGGGAATTAACTATCAGTGTTTGACAGGATATATTGGCGG
G0211189-1.seq(1>11321) → TTATCGCGCGCGGTGTCATCTATGTTACTAGATCGGGAATTAACTATCAGTGTTTGACAGGATATATTGGCGG



























10070 10080 10090 10100 10110 10120 10130
GCAATGATGGCATTGTAGGTGCCACCTTCCTTTTCTACTGTCCTTTTGATGAAGTGACAGATAGCTGGGCAAT
G0211189-1.seq(1>11321) → GCAATGATGGCATTGTAGGTGCCACCTTCCTTTTCTACTGTCCTTTTGATGAAGTGACAGATAGCTGGGCAAT
H07-E17399-G0211189-1_M13-77.ab1(1>638) ← GCAATGATGGCATTGTAGGTGCCACCTTCCTTTTCTACTGTCCTTTTGATGAAGTGACAGATAGCTGGGCAAT

10140 10150 10160 10170 10180 10190 10200 10210
GGAATCCGAGGAGGTTTCCCGATATTACCCTTTGTTGAAAAGTCTCAATAGCCCTTTGGTCTTCTGAGACTGTA
G0211189-1.seq(1>11321) → GGAATCCGAGGAGGTTTCCCGATATTACCCTTTGTTGAAAAGTCTCAATAGCCCTTTGGTCTTCTGAGACTGTA
H07-E17399-G0211189-1_M13-77.ab1(1>638) ← GGAATCCGAGGAGGTTTCCCGATATTACCCTTTGTTGAAAAGTCTCAATAGCCCTTTGGTCTTCTGAGACTGTA

10220 10230 10240 10250 10260 10270 10280
TCTTTGATATTCTTGGAGTAGACGAGAGTGTCGTGCTCCACCATGTTGGCAAGCTGCTCTAGCCAATACGCAA
G0211189-1.seq(1>11321) → TCTTTGATATTCTTGGAGTAGACGAGAGTGTCGTGCTCCACCATGTTGGCAAGCTGCTCTAGCCAATACGCAA
H07-E17399-G0211189-1_M13-77.ab1(1>638) ← TCTTTGATATTCTTGGAGTAGACGAGAGTGTCGTGCTCCACCATGTTGGCAAGCTGCTCTAGCCAATACGCAA

10290 10300 10310 10320 10330 10340 10350 10360
CCGCTCTCCCCGCGCGTTGGCCGATTCAATTAATGCAGCTGGCAGCAGAGGTTTCCCGACTGGAAAGCGGGCAG
G0211189-1.seq(1>11321) → CCGCTCTCCCCGCGCGTTGGCCGATTCAATTAATGCAGCTGGCAGCAGAGGTTTCCCGACTGGAAAGCGGGCAG
H07-E17399-G0211189-1_M13-77.ab1(1>638) ← CCGCTCTCCCCGCGCGTTGGCCGATTCAATTAATGCAGCTGGCAGCAGAGGTTTCCCGACTGGAAAGCGGGCAG

10370 10380 10390 10400 10410 10420 10430
TGAGCGCAACGCAATTAATGTGAGTTAGCTCACTCATTAGGCACCCAGGCTTTACTTTATGCTTCCGGCTC
G0211189-1.seq(1>11321) → TGAGCGCAACGCAATTAATGTGAGTTAGCTCACTCATTAGGCACCCAGGCTTTACTTTATGCTTCCGGCTC
H07-E17399-G0211189-1_M13-77.ab1(1>638) ← TGAGCGCAACGCAATTAATGTGAGTTAGCTCACTCATTAGGCACCCAGGCTTTACTTTATGCTTCCGGCTC

10440 10450 10460 10470 10480 10490 10500
GTATGTTGTGTGGAATTGTGAGCGGATAACAATTTACACAGGAAACAGCTATGACATGATTACGAATTTCGAGC
G0211189-1.seq(1>11321) → GTATGTTGTGTGGAATTGTGAGCGGATAACAATTTACACAGGAAACAGCTATGACATGATTACGAATTTCGAGC
H07-E17399-G0211189-1_M13-77.ab1(1>638) ← GTATGTTGTGTGGAATTGTGAGCGGATAACAATTTACACAGGAAACAGCTATGACATGATTACGAATTTCGAGC

10510 10520 10530 10540 10550 10560 10570 10580
TCGGTACCCGGGGATCCTCTAGAGTCGACCTGCAGGCATGCAAGCTTGGCACTGGCCGTCGTTTTACAACGTCG
G0211189-1.seq(1>11321) → TCGGTACCCGGGGATCCTCTAGAGTCGACCTGCAGGCATGCAAGCTTGGCACTGGCCGTCGTTTTACAACGTCG
H07-E17399-G0211189-1_M13-77.ab1(1>638) ← TCGGTACCCGGGGATCCTcTAgaTCGACCTGCAGGCATGCAAGCTTGGCACTGGCCGTCGTTTTACAACGTC

10590 10600 10610 10620 10630 10640 10650
TGACTGGGAAAACCCTGGCGTTACCCAACCTTAATCGCCTTGCAGCACATCCCCCTTTCGCCAGCTGGCGTAATA
G0211189-1.seq(1>11321) → TGACTGGGAAAACCCTGGCGTTACCCAACCTTAATCGCCTTGCAGCACATCCCCCTTTCGCCAGCTGGCGTAATA

10660 10670 10680 10690 10700 10710 10720 10730
GCGAAGAGGCCCGCACCGATCGCCCTTCCCAACAGTTGCGCAGCCTGAATGGCGAATGCTAGAGCAGCTTGAGC
G0211189-1.seq(1>11321) → GCGAAGAGGCCCGCACCGATCGCCCTTCCCAACAGTTGCGCAGCCTGAATGGCGAATGCTAGAGCAGCTTGAGC

10740 10750 10760 10770 10780 10790 10800
TTGGATCAGATTGTCGTTTCCCGCCTTCAGTTTAGCTTCATGGAGTCAAAGATTCAAATAGAGGACCTAACAGA
G0211189-1.seq(1>11321) → TTGGATCAGATTGTCGTTTCCCGCCTTCAGTTTAGCTTCATGGAGTCAAAGATTCAAATAGAGGACCTAACAGA

10810 10820 10830 10840 10850 10860 10870
ACTCGCCGTAAAGACTGGCGAACAGTTTCATACAGAGTCTCTTACGACTCAATGACAAGAAGAAAATCTTCGTCA
G0211189-1.seq(1>11321) → ACTCGCCGTAAAGACTGGCGAACAGTTTCATACAGAGTCTCTTACGACTCAATGACAAGAAGAAAATCTTCGTCA

10880 10890 10900 10910 10920 10930 10940 10950
ACATGGTGGAGCACGACACACTTGTCTACTCCAAAAATATCAAAGATACAGTCTCAGAAGACCAAAGGGCAATT
G0211189-1.seq(1>11321) → ACATGGTGGAGCACGACACACTTGTCTACTCCAAAAATATCAAAGATACAGTCTCAGAAGACCAAAGGGCAATT

10960 10970 10980 10990 11000 11010 11020
GAGACTTTTCAACAAAGGGTAATATCCGGAAACCTCCTCGGATTCCATTGCCAGCTATCTGTCACTTTATTGT
G0211189-1.seq(1>11321) → GAGACTTTTCAACAAAGGGTAATATCCGGAAACCTCCTCGGATTCCATTGCCAGCTATCTGTCACTTTATTGT

11030 11040 11050 11060 11070 11080 11090 11100
GAAGATAGTGGAAAAGGAAGGTGGCTCCTACAAATGCCATCATTTGCGATAAAGGAAAGGCCATCGTTGAAGATG
G0211189-1.seq(1>11321) → GAAGATAGTGGAAAAGGAAGGTGGCTCCTACAAATGCCATCATTTGCGATAAAGGAAAGGCCATCGTTGAAGATG

11110 11120 11130 11140 11150 11160 11170
CCTCTGCCGACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCATCGTGGAAAAGAAGACGTTCCAACC
G0211189-1.seq(1>11321) → CCTCTGCCGACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCATCGTGGAAAAGAAGACGTTCCAACC

11180 11190 11200 11210 11220 11230 11240
ACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCCTATCCTTC
G0211189-1.seq(1>11321) → ACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCCTATCCTTC

11250 11260 11270 11280 11290 11300 11310
GCAAGACCCTTCCTCTATATAAGGAAGTTCATTTCAATTTGGAGAGAACACGGGGGACTCTTGACCATGGTA
G0211189-1.seq(1>11321) → GCAAGACCCTTCCTCTATATAAGGAAGTTCATTTCAATTTGGAGAGAACACGGGGGACTCTTGACCATGGTA

