



















5400 5410 5420 5430 5440 5450 5460 5470
AAAAGACTGATTACATAAATCTTATTCAAATTTCAAAGTGCCCCAGGGGCTAGTATCTACGACACACCGAGCGGC
G0233701-1.seq(1>5827) → aaaagactgattacataaatacttattcaaatttcaaaagtgccccaggggctagtatctacgacacacccgagcggc
B04-E33040-G0233701-1_M13F.ab1(1>794) ← AAAAGACTGATTACATAAATCTTATTCAAATTTCAAAGTGCCCCAGGGGCTAGTATCTACGACACACCGAGCGGC

5480 5490 5500 5510 5520 5530 5540
GAACTAATAACGCTCACTGAAGGGAActCCGGTTC CCCGCCGGCGCGCATGGGTGAGATTCTTGAAGTTGAGTAT
G0233701-1.seq(1>5827) → gaactaataacgctcactgaagggaaactccggttccccgccggcgcgcatgggtgagattccttgaagttgagtat
B04-E33040-G0233701-1_M13F.ab1(1>794) ← GAACTAATAACGCTCACTGAAGGGAActCCGGTTC CCCGCCGGCGCGCATGGGTGAGATTCTTGAAGTTGAGTAT

5550 5560 5570 5580 5590 5600 5610 5620
TGGCCGTCCGCTCTACCGAAAGTTACGGGCACCATTCAACCCGGTCCAGCACGGCGCGGGTAACCGACTTGCTG
G0233701-1.seq(1>5827) → tggccgtccgctctaccgaaagtacgggcaccattcaacccgggtccagcacggcgccgggtaaccgacttgctg
B04-E33040-G0233701-1_M13F.ab1(1>794) ← TGGCCGTCCGCTCTACCGAAAGTTACGGGCACCATTCAACCCGGTCCAGCACGGCGCGGGTAACCGACTTGCTG

5630 5640 5650 5660 5670 5680 5690 5700
CCCCGAGAATTATGCAGCATTTTTTGGTGTATGTGGGCCCCAAATGAAGTGCAGGTCAAACCTTGACAGTGACGA
G0233701-1.seq(1>5827) → ccccgagaattatgcagcatttttttgggtgtatgtggggccccaaatgaagtgcaggtcaaaccttgacagtgacga
B04-E33040-G0233701-1_M13F.ab1(1>794) ← CCCCAGAGAATTATGCAGCATTTTTTGGTGTATGTGGGCCCCAAATGAAGTGCAGGTCAAACCTTGACAGTGACGA

5710 5720 5730 5740 5750 5760 5770
CAAATCGTTGGGCGGGTCCAGGGCGAATTTTGCGACAACATGTCGAGGCTCAGCAGGACCTGCAGGCATGCAAGCT
G0233701-1.seq(1>5827) → caaatcgttgggcggggtccagggcgaattttgcgacaacatgtcgaggctcagcaggacctgcaggcatgcaagct
B04-E33040-G0233701-1_M13F.ab1(1>794) ← CAAATCGTTGGGCGGGTCCAGGGCGAATTTTGCGACAACATGTCGAGGCTCAGCAGGACCTGCAGGCATGCAAGCT

5780 5790 5800 5810 5820
AGCTTACTAGTGATGCATATTCTATAGTGTACCTAAATCTGCGGCCGC
G0233701-1.seq(1>5827) → agcttactagtgatgcatattctatagtgtcacctaaatctgcggccgc
B04-E33040-G0233701-1_M13F.ab1(1>794) ← AGCTTACTAGTGATGCATATTCTATAGTGTACCTAAAT