

Canberra isolate - top line (black)
US clone sequence - lower line (blue)
Nucleotides shown in red (in the Canberra sequence) indicate differences.

GGTAATAACAGTGGCCAACCAAGCACAGT**A**GTGACAACACGATGTGTTTAATCATAGCT
GGTAATAACAGTGGCCAACCAAGCACAGTTGTTGACAACACGATGTGTTTAATCATAGCA

ATGGAGTATTGCAGAATGCGCGT**A**GAAAAGGATCATG**G**ACATAGAATGA**A**GATACTGTAC
ATGGAGTATTGCAGAATGCGCGTCGAAAAGGATCATGAACATAGAATGAGGATACTGTAC

GTGTGCAACGGAGATGATTTGCTTAT**C**AATGCCGACACAAAGGACAAAGACTTCATACAG
GTGTGCAACGGAGATGATTTGCTTATTAATGCCGACACAAAGGACAAAGACTTCATACAG

CAGTATTTTGCCGATTACATGCGCGAACTGGAGCTGAATTACTCATTGACGAGGCTTAC
CAGTATTTTGCCGATTACATGCGCGAACTGGAGCTGAATTACTCATTGACGAGGCTTAC

CGTAGTATCGAGGAGGTGGAATACATGTCACA**C**ACATT**C**ATGAAGCGAAAT**T**CAATGTAC
CGTAGTATCGAGGAGGTGGAATACATGTCACATACATTTATGAAGCGAAATTCGATGTAC

ATTCCAAAGTTGAA**G**CGCGAACGTATTGTGGCAATCCTGGAGTGGCAGAGGAGCAAGGAA
ATTCCAAAGTTGAAACGCGAACGTATTGTGGCAATCTGGAGTGGCAGAGGAGCAAGGAA

CCGAAGGC**C**ATT**C**AGAGCGCTATTATTGCAGCATA**C**GTGGAAGCTTT**C**GG**C**TATGATGAA
CCGAAGGC**C**ATT**C**AGAGCGCTATTATTGCAGCATA**C**GTGGAAGCTTT**C**GGTTATGATGAA

TTCACGGAGATGATTGAAGAACTTGCAGCAGGA**G**TTT**C**AGCGGTGTGGCC**A**GATTTCAAG
TTCACGGAGATGATTGAAGAACTTGCAGCAGGAAGTTT**C**AGCGGTGTGGCCGGATTTCAAG

TTGCCCTCACGACAAGAGGTTGAGGATTTGTACTT**G**ACTGGGACT**T**CGAACGGATTTAGGA
TTGCCCTCACGACAAGAGGTTGAGGATTTGTACTT**G**ACTGGGACCCGAACGGATTTAGGA

GAAGAGATTAAGGAATGTGGAGAGCAATACTGCGTGTACGAATCGAGT**G**AGGCCGCAACT
GAAGAGATTAAGGAATGTGGAGAGCAATACTGCGTGTACGAATCGAGT**G**AGGCCGCAACC

GACGCTGTCTTGGC**A**GCAGCAAATGCAGGAA**T**TGGTAGTGCA**C**CGAGTAGTGGAAG**T**ACT
GACGCTGTCTTGGCGGCAGCAAATGCAGGAACTGGTAGTGCA**C**CGAGTAGTGGAAGCACT

CA**A**TCAAGT**C**TGAGCGCAAGTACTGCTAGCGGATCAGGGAG**C**TCACCATCAGGATCAGGT
CAGTCAAGTCAGAGCGCAAGTACTGCTAGCGGATCAGGGAGTTCACCATCAGGATCAGGT

TCTGGAGCAGCGGGTGGATCAGGTTCTGGATCAGCACAAACACAATCTAATAACGTATCT
TCTGGAGCAGCGGGTGGATCAGGTTCTGGATCAGCACAAACACAATCTAATAACGTATCT

GTCATGGCTGGCCT**T**GACACGGGAGGAGCTAAGACAG**G**TCAAGGATCAGGATCAAAGGG
GTCATGGCTGGCCT**T**GACACGGGAGGAGCTAAGACAGATCAAGGATCAGGATCAAAGGG

ACGGGTGGTTCATTCACATCGAATCCCGTGCGAACTGGAGGCCGAGCAACGGATGTGCAA
ACGGGTGGTTCATTCACATCGAATCCCGTGCGAACTGGAGGCCGAGCAACGGATGTGCAA

GATCAGACACCAGGTTTAG**C**ATTTCCAGCACCAAAGATCACAACAAAGGCC**C**ATATACAT
GATCAGACACCAGGTTTAGTGT**T**CCAGCACCAAAGATCACAACAAAGGCC-ATATACAT

GCCAAAACTGTACGCGACAAGATAAA**G**C-TGAAATGATAAATAACATGATCAAATACCA

GCCAAAACTGTACGCGACAAGATAAAACCTGAAATGATAAATAACATGATCAAATACCA

ACCGCGTGCGGAACTTATCGACAACAGATATGCAACAACCTGAACAACCTCAACACCTGGAT
ACCGCGTGCTGAACTTATCGACAACAGATATGCCACAACCTGAACAACCTCAACACCTGGAT

AAAAGAGGCATCTGAAGGGCTTGACGTGACAGAGGATGTTTTTCATAAACACCTTACTTCC
AAAAGAGGCATCTGAAGGGCTTGACGTGACAGAGGATGTTTTTCATAAACACCTTACTTCC

AGGATGGGTCTACCACTGCATAATCAACACAACGAGCCCAGAGAAATAGAGCACTAGGAAC
AGGATGGGTCTACCACTGCATAATCAACACAACGAGCCCAGAGAACAGAGCACTAGGAAC

TTGGCGTGTTGTGAATAATGCAGGCAAGGACAATGAGCAGCAACTCGAGTTTAAATTTGA
TTGGCGTGTTGTGAACAATGCAGGCAAGGACAATGAGCAGCAACTCGAGTTTAAAGATTGA

ACCAATGTACAAAGCTGCGAAGCCATCACTTCGAGCCATTATGCGTCACTTTGGCGAAGG
ACCGATGTACAAAGCTGCGAAGCCATCACTTCGAGCCATTATGCGCCACTTTGGTGAGGG

AGCTCGAGTGATGATCGAGGAGAGTGTTTCGATTGGAAAACCTATCATAACCAAGGGGCTT
AGCTCGAGTGATGATCGAGGAGAGTGTTTCGAATTGGAAAACCTATCATAACCAAGGGGCTT

CGACAAGGCCGGTGTGCTAAGCATCAACAATATTTGTGGCAGCGTGTGATTTTCATCATGCG
CGACAAGGCCGGTGTGCTAAGCATCAACAATATTTGTGGCAGCGTGTGATTTTCATCATGCG

CGGTGCAGATGACACACCAAATTTTGTGCAAGTGCAGAACAGCGTTGCAGTAAACAGGCT
CGGTGCAGATGACACACCAAATTTTGTGCAAGTGCAGAACAGCGTTGCAGTAAACAGGCT

ACGCGGAATACAACAAGTTGTTTTGCACAGGCACGACTGAGTGCGGGTACTAATGAGGA
ACGCGGAATACAGAACAAGCTGTTTTGCACAGGCACGACTGAGTGCGGGTACTAATGAGGA

CAACTCACGTCATGATGCAGATGATGTGAGGGAGAACACGCACAGTTTCAATGGTGTA
CAACTCACGTCATGATGCAGATGATGTGAGGGAGAACACGCACAGTTTCAATGGTGTA

CGCTCTTGCGTGAGCACAGTAGAAACTACAAATCCACGAGTACCAGGATTTGAGCGAAT
CGCTCTTGCGTGAGCACAGTAGAAACTACAAATCCACGAGTACCAGGATTTGAGCGAAT

AACGCTGCGTTTTCGCTAACCCCTTCGTTGTTACTAGGTGTGTACTTCTCCATGAGAGGCGT
AACGCTGCGTTTTCGTTAACCCCTTCGTTGTTACTAGGTGTGTACTTCTCCACGAGAGGCGT

GCATTCTTGGTAGCTATGTGTGGGTTAGGGCGACGCTAC
GCATTCTTGGTAGCTATGTGTGGGTTAGGGCGACGCTAC