

Identity 1 10 20 30 40 50

B26 ATGACTCCTG CAGTGTATAG TGTACAAACG AACTCCTTG AAAAGTTGTC  
 LPCoLN ATGACTCCTG CAGTGTATAG TGTACAAACG AACTCCTTG AAAAGTTGTC  
 DE177 ATGACTCCTG CAGTGTATAG TGTACAAACG GACTCCCTTG AAAAGTTGTC  
 AR39 ATGACTCCTG CAGTGTATAG TTTACAAACG GACTCCCTTG AAAAGTTGTC  
 CWL029 ATGACTCCTG CAGTGTATAG TTTACAAACG GACTCCCTTG AAAAGTTGTC  
 J138 ATGACTCCTG CAGTGTATAG TTTACAAACG GACTCCCTTG AAAAGTTGTC  
 TW183 ATGACTCCTG CAGTGTATAG TTTACAAACG GACTCCCTTG AAAAGTTGTC  
 TOR1 ATGACTCCTG CAGTGTATAG TTTACAAACG GACTCCCTTG AAAAGTTGTC  
 WA97001 ATGACTCCTG CAGTGTATAG TTTACAAACG GACTCCCTTG AAAAGTTGTC  
 1979 ATGACTCCTG CAGTGTATAG TGTACAAACG GACTCCCTTG AAAAGTTGTC  
 SH511 ATGACTCCTG CAGTGTATAG TGTACAAACG GACTCCCTTG AAAAGTTGTC

Identity 60 70 80 90 100

B26 TTTGGAGAGG GATGAAGAGT TCGTACGAG CTTTCCTCTC TTAGACTCTC  
 LPCoLN TTTGGAGAGG GATGAAGAGT TCGTACGAG CTTTCCTCTC TTAGACTCTC  
 DE177 TTTAGAGAGG GATGAAGAGT TTCGTACGAG CTTTCCTCTC TTAGACTCTC  
 AR39 TTTAGAGAGG GATGAAGAGT TTCGTACGAG CTTTCCTCTC TTAGACTCTC  
 CWL029 TTTAGAGAGG GATGAAGAGT TTCGTACGAG CTTTCCTCTC TTAGACTCTC  
 J138 TTTAGAGAGG GATGAAGAGT TTCGTACGAG CTTTCCTCTC TTAGACTCTC  
 TW183 TTTAGAGAGG GATGAAGAGT TTCGTACGAG CTTTCCTCTC TTAGACTCTC  
 TOR1 TTTAGAGAGG GATGAAGAGT TTCGTACGAG CTTTCCTCTC TTAGACTCTC  
 WA97001 TTTAGAGAGG GATGAAGAGT TTCGTACGAG CTTTCCTCTC TTAGACTCTC  
 1979 TTTAGAGAGG GATGAAGAGT TTCGTACGAG CTTTCCTCTC TTAGACTCTC  
 SH511 TTTAGAGAGG GATGAAGAGT TTCGTACGAG CTTTCCTCTC TTAGACTCTC

Identity 110 120 130 140 150

B26 TCTCCACCT TACAGGATTT TCTCCAAATA CTACFTTGT TGGAAATAGA  
 LPCoLN TCTCCACCT TACAGGATTT TCTCCAAATA CTACFTTGT TGGAAATAGA  
 DE177 TCTCCACTCT TACAGGATTT TCTCCAAATA CTACFTTGT TGGAAATAGA  
 AR39 TCTCCACTCT TACAGGATTT TCTCCAAATA CTACFTTGT TGGAAATAGA  
 CWL029 TCTCCACTCT TACAGGATTT TCTCCAAATA CTACFTTGT TGGAAATAGA  
 J138 TCTCCACTCT TACAGGATTT TCTCCAAATA CTACFTTGT TGGAAATAGA  
 TW183 TCTCCACTCT TACAGGATTT TCTCCAAATA CTACFTTGT TGGAAATAGA  
 TOR1 TCTCCACTCT TACAGGATTT TCTCCAAATA CTACFTTGT TGGAAATAGA  
 WA97001 TCTCCACTCT TACAGGATTT TCTCCAAATA CTACFTTGT TGGAAATAGA  
 1979 TCTCCACTCT TACAGGATTT TCTCCAAATA CTACFTTGT TGGAAATAGA  
 SH511 TCTCCACTCT TACAGGATTT TCTCCAAATA CTACFTTGT TGGAAATAGA

Identity 160 170 180 190 200

B26 CATAATTCC CTCAAGAT TGTACTTTCT AACTACAAGT CTATTGATAA  
 LPCoLN CATAATTCC CTCAAGAT TGTACTTTCT AACTACAAGT CTATTGATAA  
 DE177 CATAATTCC CTCAAGACAT TGTACTTTCT AACTACAAGT CTATTGATAA  
 AR39 CATAATTCC CTCAAGACAT TGTACTTTCT AACTACAAGT CTATTGATAA  
 CWL029 CATAATTCC CTCAAGACAT TGTACTTTCT AACTACAAGT CTATTGATAA  
 J138 CATAATTCC CTCAAGACAT TGTACTTTCT AACTACAAGT CTATTGATAA  
 TW183 CATAATTCC CTCAAGACAT TGTACTTTCT AACTACAAGT CTATTGATAA  
 TOR1 CATAATTCC CTCAAGACAT TGTACTTTCT AACTACAAGT CTATTGATAA  
 WA97001 CATAATTCC CTCAAGACAT TGTACTTTCT AACTACAAGT CTATTGATAA  
 1979 CATAATTCC CTCAAGACAT TGTACTTTCT AACTACAAGT CTATTGATAA  
 SH511 CATAATTCC CTCAAGACAT TGTACTTTCT AACTACAAGT CTATTGATAA

Identity 210 220 230 240 250


B26 CATCCTTCTT CTTTGGACAT CGGCTGGGGG AGCTGTGTC TGTAATAATT  
 LPCoLN CATCCTTCTT CTTTGGACAT CGGCTGGGGG AGCTGTGTC TGTAATAATT  
 DE177 CATCCTTCTT CTTTGGACAT CGGCTGGGGG AGCTGTGTC TGTAATAATT  
 AR39 CATCCTTCTT CTTTGGACAT CGGCTGGGGG AGCTGTGTC TGTAATAATT  
 CWL029 CATCCTTCTT CTTTGGACAT CGGCTGGGGG AGCTGTGTC TGTAATAATT  
 J138 CATCCTTCTT CTTTGGACAT CGGCTGGGGG AGCTGTGTC TGTAATAATT  
 TW183 CATCCTTCTT CTTTGGACAT CGGCTGGGGG AGCTGTGTC TGTAATAATT  
 TOR1 CATCCTTCTT CTTTGGACAT CGGCTGGGGG AGCTGTGTC TGTAATAATT  
 WA97001 CATCCTTCTT CTTTGGACAT CGGCTGGGGG AGCTGTGTC TGTAATAATT  
 1979 CATCCTTCTT CTTTGGACAT CGGCTGGGGG AGCTGTGTC TGTAATAATT  
 SH511 CATCCTTCTT CTTTGGACAT CGGCTGGGGG AGCTGTGTC TGTAATAATT

Identity	260	270	280	290	300
B26	TC <b>C</b> TA TTA TC	AAATG TTTGAA	GACCA TGCCT	TCTTCAG TAA	AAATCTCGCG
LPCoLN	TC <b>C</b> TA TTA TC	AAATG TTTGAA	GACCA TGCCT	TCTTCAG TAA	AAATCTCGCG
DE177	TCTTA TTA TC	AAAT <b>C</b> TTGAA	GACCA TGCCT	TCTTCAG TAA	AAATCTCGCG
AR39	TCTTA TTA TC	AAATG TTTGAA	GACCA TGCCT	TCTTCAG TAA	AAATCTCGCG
CWL029	TCTTA TTA TC	AAATG TTTGAA	GACCA TGCCT	TCTTCAG TAA	AAATCTCGCG
J138	TCTTA TTA TC	AAATG TTTGAA	GACCA TGCCT	TCTTCAG TAA	AAATCTCGCG
TW183	TCTTA TTA TC	AAATG TTTGAA	GACCA TGCCT	TCTTCAG TAA	AAATCTCGCG
TOR1	TCTTA TTA TC	AAATG TTTGAA	GACCA TGCCT	TCTTCAG TAA	AAATCTCGCG
WA97001	TCTTA TTA TC	AAATG TTTGAA	GACCA TGCCT	TCTTCAG TAA	AAATCTCGCG
1979	TCTTA TTA TC	AAATG TTTGAA	GACCA TGCCT	TCTTCAG TAA	AAATCTCGCG
SH511	TCTTA TTA TC	AAATG TTTGAA	GACCA TGCCT	TCTTCAG TAA	AAATCTCGCG


Identity	310	320	330	340	350
B26	A TTGGGACTG	GAGGCGCGAT	TGCTTGCCAG	GGAGCCTGCA	CAATCACGAA
LPCoLN	A TTGGGACTG	GAGGCGCGAT	TGCTTGCCAG	GGAGCCTGCA	CAATCACGAA
DE177	A TTGGGACTG	GAGGCGCGAT	TGCTTGCCAG	GGAGCCTGCA	CAATCACGAA
AR39	A TTGGGACTG	GAGGCGCGAT	TGCTTGCCAG	GGAGCCTGCA	CAATCACGAA
CWL029	A TTGGGACTG	GAGGCGCGAT	TGCTTGCCAG	GGAGCCTGCA	CAATCACGAA
J138	A TTGGGACTG	<b>C</b> AGGCGCGAT	TGCTTGCCAG	GGAGCCTGCA	CAATCACGAA
TW183	A TTGGGACTG	<b>C</b> AGGCGCGAT	TGCTTGCCAG	GGAGCCTGCA	CAATCACGAA
TOR1	A TTGGGACTG	GAGGCGCGAT	TGCTTGCCAG	GGAGCCTGCA	CAATCACGAA
WA97001	A TTGGGACTG	GAGGCGCGAT	TGCTTGCCAG	GGAGCCTGCA	CAATCACGAA
1979	A TTGGGACTG	GAGGCGCGAT	TGCTTGCCAG	GGAGCCTGCA	CAATCACGAA
SH511	A TTGGGACTG	GAGGCGCGAT	TGCTTGCCAG	GGAGCCTGCA	CAATCACGAA

Identity	360	370	380	390	400
B26	GAA TAGAGGA	CC <b>T</b> CTTA TTT	TTTTTCAGCAA	TCGAGG <b>C</b> CTT	AACAA TGCA <b>A</b>
LPCoLN	GAA TAGAGGA	CC <b>T</b> CTTA TTT	TTTTTCAGCAA	TCGAGG <b>C</b> CTT	AACAA TGCA <b>A</b>
DE177	GAA TAGAGGA	CCCCTTA TTT	TTTTTCAGCAA	TCGAGG TCTT	AACAA TGCGA
AR39	GAA TAGAGGA	CCCCTTA TTT	TTTTTCAGCAA	TCGAGG TCTT	AACAA TGCGA
CWL029	GAA TAGAGGA	CCCCTTA TTT	TTTTTCAGCAA	TCGAGG TCTT	AACAA TGCGA
J138	GAA TAGAGGA	CCCCTTA TTT	TTTTTCAGCAA	TCGAGG TCTT	AACAA TGCGA
TW183	GAA TAGAGGA	CCCCTTA TTT	TTTTTCAGCAA	TCGAGG TCTT	AACAA TGCGA
TOR1	GAA TAGAGGA	CCCCTTA TTT	TTTTTCAGCAA	TCGAGG TCTT	AACAA TGCGA
WA97001	GAA TAGAGGA	CCCCTTA TTT	TTTTTCAGCAA	TCGAGG TCTT	AACAA TGCGA
1979	GAA TAGAGGA	CCCCTTA TTT	TTTTTCAGCAA	TCGAGG TCTT	AACAA TGCGA
SH511	GAA TAGAGGA	CCCCTTA TTT	TTTTTCAGCAA	TCGAGG TCTT	AACAA TGCGA




Identity 


	660	670	680	690	700
B26	TTTTAAGAAC	AACTGTG <b>C</b> GA	ACAA TGGCGG	GGC <b>T</b> AATTCAA	ACAA <b>A</b> C <b>A</b> GC <b>A</b>
LPCoLN	TTTTAAGAAC	AACTGTG <b>C</b> GA	ACAA TGGCGG	GGC <b>T</b> AATTCAA	ACAA <b>A</b> C <b>A</b> GC <b>A</b>
DE177	TTTTAAGAAC	AACTGTGGGA	ACAA TGGCGG	GGCCATTCAA	ACAAGCGTTA
AR39	TTTTAAGAAC	AACTGTGGGA	ACAA TGGCGG	GGCCATTCAA	ACAAGCGTTA
CWL029	TTTTAAGAAC	AACTGTGGGA	ACAA TGGCGG	GGCCATTCAA	ACAAGCGTTA
J138	TTTTAAGAAC	AACTGTGGGA	ACAA TGGCGG	GGCCATTCAA	ACAAGCGTTA
TW183	TTTTAAGAAC	AACTGTGGGA	ACAA TGGCGG	GGCCATTCAA	ACAAGCGTTA
TOR1	TTTTAAGAAC	AACTGTGGGA	ACAA TGGCGG	GGCCATTCAA	ACAAGCGTTA
WA97001	TTTTAAGAAC	AACTGTGGGA	ACAA TGGCGG	GGCCATTCAA	ACAAGCGTTA
1979	TTTTAAGAAC	AACTGTGGGA	ACAA TGGCGG	GGCCATTCAA	ACAAGCGTTA
SH511	TTTTAAGAAC	AACTGTGGGA	ACAA TGGCGG	GGCCATTCAA	ACAAGCGTTA

Identity 

	710	720	730	740	750
B26	<b>C</b> <b>C</b> A <b>T</b> T <b>A</b> CGAT	AAAAAA TAAC	T <b>C</b> TGG <b>A</b> T <b>C</b> A <b>G</b>	TGATTTTCAA	TAA CAACACA
LPCoLN	<b>C</b> <b>C</b> A <b>T</b> T <b>A</b> CGAT	AAAAAA TAAC	T <b>C</b> TGG <b>A</b> T <b>C</b> A <b>G</b>	TGATTTTCAA	TAA CAACACA
DE177	CTGTTGCGAT	AAAAAA TAAC	TCCGGGTCGG	TGATTTTCAA	TAA CAACACA
AR39	CTGTTGCGAT	AAAAAA TAAC	TCCGGGTCGG	TGATTTTCAA	TAA CAACACA
CWL029	CTGTTGCGAT	AAAAAA TAAC	TCCGGGTCGG	TGATTTTCAA	TAA CAACACA
J138	CTGTTGCGAT	AAAAAA TAAC	TCCGGGTCGG	TGATTTTCAA	TAA CAACACA
TW183	CTGTTGCGAT	AAAAAA TAAC	TCCGGGTCGG	TGATTTTCAA	TAA CAACACA
TOR1	CTGTTGCGAT	AAAAAA TAAC	TCCGGGTCGG	TGATTTTCAA	TAA CAACACA
WA97001	CTGTTGCGAT	AAAAAA TAAC	TCCGGGTCGG	TGATTTTCAA	TAA CAACACA
1979	CTGTTGCGAT	AAAAAA TAAC	TCCGGGTCGG	TGATTTTCAA	TAA CAACACA
SH511	CTGTTGCGAT	AAAAAA TAAC	TCCGGGTCGG	TGATTTTCAA	TAA CAACACA


Identity 

	760	770	780	790	800
B26	G <b>C</b> <b>A</b> TTATCTG	<b>C</b> TT <b>C</b> CA <b>T</b> AG <b>A</b>	TTCAGGAAAT	GGTTCAGGAG	GGGCGATTTA
LPCoLN	G <b>C</b> <b>A</b> TTATCTG	<b>C</b> TT <b>C</b> CA <b>T</b> AG <b>A</b>	TTCAGGAAAT	GGTTCAGGAG	GGGCGATTTA
DE177	G <b>C</b> <b>A</b> TTATCTG	GTTTCGATAAA	TTCAGGAAAT	GGTTCAGGAG	GGGCGATTTA
AR39	GCGTTATCTG	GTTTCGATAAA	TTCAGGAAAT	GGTTCAGGAG	GGGCGATTTA
CWL029	GCGTTATCTG	GTTTCGATAAA	TTCAGGAAAT	GGTTCAGGAG	GGGCGATTTA
J138	GCGTTATCTG	GTTTCGATAAA	TTCAGGAAAT	GGTTCAGGAG	GGGCGATTTA
TW183	GCGTTATCTG	GTTTCGATAAA	TTCAGGAAAT	GGTTCAGGAG	GGGCGATTTA
TOR1	GCGTTATCTG	GTTTCGATAAA	TTCAGGAAAT	GGTTCAGGAG	GGGCGATTTA
WA97001	GCGTTATCTG	GTTTCGATAAA	TTCAGGAAAT	GGTTCAGGAG	GGGCGATTTA
1979	GCGTTATCTG	GTTTCGATAAA	TTCAGGAAAT	GGTTCAGGAG	GGGCGATTTA
SH511	GCGTTATCTG	GTTTCGATAAA	TTCAGGAAAT	GGTTCAGGAG	GGGCGATTTA


Identity 

	810	820	830	840	850
B26	TACAACAAG <b>G</b> C	CTATCCATAG	ACGATAAACC	TGGAACTATT	<b>A</b> TTTTCAATA
LPCoLN	TACAACAAG <b>G</b> C	CTATCCATAG	ACGATAAACC	TGGAACTATT	<b>A</b> TTTTCAATA
DE177	TACAACAAGC	CTATCCATAG	ACGATAAACC	TGGAACTATT	CTTTTCAATA
AR39	TACAACAAGC	CTATCCATAG	ACGATAAACC	TGGAACTATT	CTTTTCAATA
CWL029	TACAACAAGC	CTATCCATAG	ACGATAAACC	TGGAACTATT	CTTTTCAATA
J138	TACAACAAGC	CTATCCATAG	ACGATAAACC	TGGAACTATT	CTTTTCAATA
TW183	TACAACAAGC	CTATCCATAG	ACGATAAACC	TGGAACTATT	CTTTTCAATA
TOR1	TACAACAAGC	CTATCCATAG	ACGATAAACC	TGGAACTATT	CTTTTCAATA
WA97001	TACAACAAGC	CTATCCATAG	ACGATAAACC	TGGAACTATT	CTTTTCAATA
1979	TACAACAAGC	CTATCCATAG	ACGATAAACC	TGGAACTATT	CTTTTCAATA
SH511	TACAACAAGC	CTATCCATAG	ACGATAAACC	TGGAACTATT	CTTTTCAATA




Identity 

	1,140	1,120	1,130	1,140	1,150
B26	TAA TAAGGGG A	TATA CGACTG	CTTT TTTTGA	TCCT ATAGAA	CACCAA CA C
LPCoLN	TAA TAAGGGG A	TATA CGACTG	CTTT TTTTGA	TCCT ATAGAA	CACCAA CA C
DE177	TAA TAAGGGG	TATA CGACTG	CTTT TTTTGA	TCCT ATAGAA	CACCAA CATC
AR39	TAA TAAGGGG	TATA CGACTG	CTTT TTTTGA	TCCT ATAGAA	CACCAA CATC
CWL029	TAA TAAGGGG	TATA CGACTG	CTTT TTTTGA	TCCT ATAGAA	CACCAA CATC
J138	TAA TAAGGGG	TATA CGACTG	CTTT TTTTGA	TCCT ATAGAA	CACCAA CATC
TW183	TAA TAAGGGG	TATA CGACTG	CTTT TTTTGA	TCCT ATAGAA	CACCAA CATC
TOR1	TAA TAAGGGG	TATA CGACTG	CTTT TTTTGA	TCCT ATAGAA	CACCAA CATC
WA97001	TAA TAAGGGG	TATA CGACTG	CTTT TTTTGA	TCCT ATAGAA	CACCAA CATC
1979	TAA TAAGGGG	TATA CGACTG	CTTT TTTTGA	TCCT ATAGAA	CACCAA CATC
SH511	TAA TAAGGGG	TATA CGACTG	CTTT TTTTGA	TCCT ATAGAA	CACCAA CATC

Identity 

	1,160	1,170	1,180	1,190	1,200
B26	CAACTACAAA	TCCTCTAATC	TTTAATCCCA	ATGCGAACCA	TCAGGGAAACG
LPCoLN	CAACTACAAA	TCCTCTAATC	TTTAATCCCA	ATGCGAACCA	TCAGGGAAACG
DE177	CAACTACAAA	TCCTCTAATC	TTTAATCCCA	ATGCGAACCA	TCAGGGAAACG
AR39	CAACTACAAA	TCCTCTAATC	TTTAATCCCA	ATGCGAACCA	TCAGGGAAACG
CWL029	CAACTACAAA	TCCTCTAATC	TTTAATCCCA	ATGCGAACCA	TCAGGGAAACG
J138	CAACTACAAA	TCCTCTAATC	TTTAATCCCA	ATGCGAACCA	TCAGGGAAACG
TW183	CAACTACAAA	TCCTCTAATC	TTTAATCCCA	ATGCGAACCA	TCAGGGAAACG
TOR1	CAACTACAAA	TCCTCTAATC	TTTAATCCCA	ATGCGAACCA	TCAGGGAAACG
WA97001	CAACTACAAA	TCCTCTAATC	TTTAATCCCA	ATGCGAACCA	TCAGGGAAACG
1979	CAACTACAAA	TCCTCTAATC	TTTAATCCCA	ATGCGAACCA	TCAGGGAAACG
SH511	CAACTACAAA	TCCTCTAATC	TTTAATCCCA	ATGCGAACCA	TCAGGGAAACG

Identity 

	1,210	1,220	1,230	1,240	1,250
B26	ATCTTATTTT	CTTCAGCCTA	TATCCCAGAA	GCTTCTGACT	ACGAAAA CAA
LPCoLN	ATCTTATTTT	CTTCAGCCTA	TATCCCAGAA	GCTTCTGACT	ACGAAAA CAA
DE177	ATCTTATTTT	CTTCAGCCTA	TATCCCAGAA	GCTTCTGACT	ACGAAAA TAA
AR39	ATCTTATTTT	CTTCAGCCTA	TATCCCAGAA	GCTTCTGACT	ACGAAAA TAA
CWL029	ATCTTATTTT	CTTCAGCCTA	TATCCCAGAA	GCTTCTGACT	ACGAAAA TAA
J138	ATCTTATTTT	CTTCAGCCTA	TATCCCAGAA	GCTTCTGACT	ACGAAAA TAA
TW183	ATCTTATTTT	CTTCAGCCTA	TATCCCAGAA	GCTTCTGACT	ACGAAAA TAA
TOR1	ATCTTATTTT	CTTCAGCCTA	TATCCCAGAA	GCTTCTGACT	ACGAAAA TAA
WA97001	ATCTTATTTT	CTTCAGCCTA	TATCCCAGAA	GCTTCTGACT	ACGAAAA TAA
1979	ATCTTATTTT	CTTCAGCCTA	TATCCCAGAA	GCTTCTGACT	ACGAAAA TAA
SH511	ATCTTATTTT	CTTCAGCCTA	TATCCCAGAA	GCTTCTGACT	ACGAAAA TAA

Identity 


	1,260	1,270	1,280	1,290	1,300
B26	TTTCAATTAGC	AGCTCGAAAA	ATACCTCTGA	ACTTCGCAAT	GGTGTCTCT
LPCoLN	TTTCAATTAGC	AGCTCGAAAA	ATACCTCTGA	ACTTCGCAAT	GGTGTCTCT
DE177	TTTCAATTAGC	AGCTCGAAAA	ATACCTCTGA	ACTTCGCAAT	GGTGTCTCT
AR39	TTTCAATTAGC	AGCTCGAAAA	ATACCTCTGA	ACTTCGCAAT	GGTGTCTCT
CWL029	TTTCAATTAGC	AGCTCGAAAA	ATACCTCTGA	ACTTCGCAAT	GGTGTCTCT
J138	TTTCAATTAGC	AGCTCGAAAA	ATACCTCTGA	ACTTCGCAAT	GGTGTCTCT
TW183	TTTCAATTAGC	AGCTCGAAAA	ATACCTCTGA	ACTTCGCAAT	GGTGTCTCT
TOR1	TTTCAATTAGC	AGCTCGAAAA	ATACCTCTGA	ACTTCGCAAT	GGTGTCTCT
WA97001	TTTCAATTAGC	AGCTCGAAAA	ATACCTCTGA	ACTTCGCAAT	GGTGTCTCT
1979	TTTCAATTAGC	AGCTCGA GAA	ATACCTCTGA	ACTTCGCAAT	GGTGTCTCT
SH511	TTTCAATTAGC	AGCTCGA GAA	ATACCTCTGA	ACTTCGCAAT	GGTGTCTCT

Identity	1,310	1,320	1,330	1,340	1,350
B26	CTATCGAGGA	TCGTGCGGGA	TGGCAATTCT	ATAAGTTCAC	TCAAAAAGGA
LPCoLN	CTATCGAGGA	TCGTGCGGGA	TGGCAATTCT	ATAAGTTCAC	TCAAAAAGGA
DE177	CTATCGAGGA	TCG <b>R</b> TGCGGGA	TGGCAATTCT	ATAAGTTCAC	TCAAAAAGGA
AR39	CTATCGAGGA	TCGTGCGGGA	TGGCAATTCT	ATAAGTTCAC	TCAAAAAGGA
CWL029	CTATCGAGGA	TCGTGCGGGA	TGGCAATTCT	ATAAGTTCAC	TCAAAAAGGA
J138	CTATCGAGGA	TCGTGCGGGA	TGGCAATTCT	ATAAGTTCAC	TCAAAAAGGA
TW183	CTATCGAGGA	TCGTGCGGGA	TGGCAATTCT	ATAAGTTCAC	TCAAAAAGGA
TOR1	CTATCGAGGA	TCGTGCGGGA	TGGCAATTCT	ATAAGTTCAC	TCAAAAAGGA
WA97001	CTATCGAGGA	TCGTGCGGGA	TGGCAATTCT	ATAAGTTCAC	TCAAAAAGGA
1979	CTATCGAGGA	TCGTGCGGGA	TGGCAATTCT	ATAAGTTCAC	TCAAAAAGGA
SH511	CTATCGAGGA	TCGTGCGGGA	TGGCAATTCT	ATAAGTTCAC	TCAAAAAGGA

Identity	1,360	1,370	1,380	1,390	1,400
B26	GGTATCCTTA	AATTAGGGCA	TGCGGCGAGT	ATTGCAACAA	CTGCCAACTC
LPCoLN	GGTATCCTTA	AATTAGGGCA	TGCGGCGAGT	ATTGCAACAA	CTGCCAACTC
DE177	GGTATCCTTA	AATTAGGGCA	TGCGGCGAGT	ATTGCAACAA	CTGCCAACTC
AR39	GGTATCCTTA	AATTAGGGCA	TGCGGCGAGT	ATTGCAACAA	CTGCCAACTC
CWL029	GGTATCCTTA	AATTAGGGCA	TGCGGCGAGT	ATTGCAACAA	CTGCCAACTC
J138	GGTATCCTTA	AATTAGGGCA	TGCGGCGAGT	ATTGCAACAA	CTGCCAACTC
TW183	GGTATCCTTA	AATTAGGGCA	TGCGGCGAGT	ATTGCAACAA	CTGCCAACTC
TOR1	GGTATCCTTA	AATTAGGGCA	TGCGGCGAGT	ATTGCAACAA	CTGCCAACTC
WA97001	GGTATCCTTA	AATTAGGGCA	TGCGGCGAGT	ATTGCAACAA	CTGCCAACTC
1979	GGTATCCTTA	AATTAGGGCA	TGCGGCGAGT	ATTGCAACAA	CTGCCAACTC
SH511	GGTATCCTTA	AATTAGGGCA	TGCGGCGAGT	ATTGCAACAA	CTGCCAACTC


Identity	1,410	1,420	1,430	1,440	1,450
B26	TGAGACTCCA	TCAACTAGTG	TAGGCTCCCA	GGTCA TCATT	AATAACCTTG
LPCoLN	TGAGACTCCA	TCAACTAGTG	TAGGCTCCCA	GGTCA TCATT	AATAACCTTG
DE177	TGAGACTCCA	TCAACTAGTG	TAGGCTCCCA	GGTCA TCATT	AATAACCTTG
AR39	TGAGACTCCA	TCAACTAGTG	TAGGCTCCCA	GGTCA TCATT	AATAACCTTG
CWL029	TGAGACTCCA	TCAACTAGTG	TAGGCTCCCA	GGTCA TCATT	AATAACCTTG
J138	TGAGACTCCA	TCAACTAGTG	TAGGCTCCCA	GGTCA TCATT	AATAACCTTG
TW183	TGAGACTCCA	TCAACTAGTG	TAGGCTCCCA	GGTCA TCATT	AATAACCTTG
TOR1	TGAGACTCCA	TCAACTAGTG	TAGGCTCCCA	GGTCA TCATT	AATAACCTTG
WA97001	TGAGACTCCA	TCAACTAGTG	TAGGCTCCCA	GGTCA TCATT	AATAACCTTG
1979	TGAGACTCCA	TCAACTAGTG	TAGGCTCCCA	GGTCA TCATT	AATAACCTTG
SH511	TGAGACTCCA	TCAACTAGTG	TAGGCTCCCA	GGTCA TCATT	AATAACCTTG

Identity	1,460	1,470	1,480	1,490	1,500
B26	CGATTAACTT	CCCCTCGATC	TTAGCAAAG	GAAAAGCTCC	TACCTTG TGG
LPCoLN	CGATTAACTT	CCCCTCGATC	TTAGCAAAG	GAAAAGCTCC	TACCTTG TGG
DE177	CGATTAACTT	CCCCTCGATC	TTAGCAAAG	GAAAAGCTCC	TACCTTG TGG
AR39	CGATTAACTT	CCCCTCGATC	TTAGCAAAG	GAAAAGCTCC	TACCTTG TGG
CWL029	CGATTAACTT	CCCCTCGATC	TTAGCAAAG	GAAAAGCTCC	TACCTTG TGG
J138	CGATTAACTT	CCCCTCGATC	TTAGCAAAG	GAAAAGCTCC	TACCTTG TGG
TW183	CGATTAACTT	CCCCTCGATC	TTAGCAAAG	GAAAAGCTCC	TACCTTG TGG
TOR1	CGATTAACTT	CCCCTCGATC	TTAGCAAAG	GAAAAGCTCC	TACCTTG TGG
WA97001	CGATTAACTT	CCCCTCGATC	TTAGCAAAG	GAAAAGCTCC	TACCTTG TGG
1979	CGATTAACTT	CCCCTCGATC	TTAGCAAAG	GAAAAGCTCC	TACCTTG TGG
SH511	CGATTAACTT	CCCCTCGATC	TTAGCAAAG	GAAAAGCTCC	TACCTTG TGG

Identity 


1,510 1,520 1,530 1,540 1,550

B26 ATCCGTCCTC TACAATCTAG TGCTCCTTTC ACAGAGGACA ATAAACCTAC  
 LPCoLN ATCCGTCCTC TACAATCTAG TGCTCCTTTC ACAGAGGACA ATAAACCTAC  
 DE177 ATCCGTCCTC TACAATCTAG TGCTCCTTTC ACAGAGGACA ATAAACCTAC  
 AR39 ATCCGTCCTC TACAATCTAG TGCTCCTTTC ACAGAGGACA ATAAACCTAC  
 CWL029 ATCCGTCCTC TACAATCTAG TGCTCCTTTC ACAGAGGACA ATAAACCTAC  
 J138 ATCCGTCCTC TACAATCTAG TGCTCCTTTC ACAGAGGACA ATAAACCTAC  
 TW183 ATCCGTCCTC TACAATCTAG TGCTCCTTTC ACAGAGGACA ATAAACCTAC  
 TOR1 ATCCGTCCTC TACAATCTAG TGCTCCTTTC ACAGAGGACA ATAAACCTAC  
 WA97001 ATCCGTCCTC TACAATCTAG TGCTCCTTTC ACAGAGGACA ATAAACCTAC  
 1979 ATCCGTCCTC TACAATCTAG TGCTCCTTTC ACAGAGGACA ATAAACCTAC  
 SH511 ATCCGTCCTC TACAATCTAG TGCTCCTTTC ACAGAGGACA ATAAACCTAC

Identity 


1,560 1,570 1,580 1,590 1,600

B26 AATTA CTTTA TCAGGTCCTC TGACACTCTT AAATGAGGAA AACCGCGATC  
 LPCoLN AATTA CTTTA TCAGGTCCTC TGACACTCTT AAATGAGGAA AACCGCGATC  
 DE177 AATTA CTTTA TCAGGTCCTC TGACACTCTT AAATGAGGAA AACCGCGATC  
 AR39 AATTA CTTTA TCAGGTCCTC TGACACTCTT AAATGAGGAA AACCGCGATC  
 CWL029 AATTA CTTTA TCAGGTCCTC TGACACTCTT AAATGAGGAA AACCGCGATC  
 J138 AATTA CTTTA TCAGGTCCTC TGACACTCTT AAATGAGGAA AACCGCGATC  
 TW183 AATTA CTTTA TCAGGTCCTC TGACACTCTT AAATGAGGAA AACCGCGATC  
 TOR1 AATTA CTTTA TCAGGTCCTC TGACACTCTT AAATGAGGAA AACCGCGATC  
 WA97001 AATTA CTTTA TCAGGTCCTC TGACACTCTT AAATGAGGAA AACCGCGATC  
 1979 AATTA CTTTA TCAGGTCCTC TGACACTCTT AAATGAGGAA AACCGCGATC  
 SH511 AATTA CTTTA TCAGGTCCTC TGACACTCTT AAATGAGGAA AACCGCGATC

Identity 

1,610 1,620 1,630 1,640 1,650


B26 CCTACGACAG TATGATCTC TCTGAGCCTT TACAAAAACAT TCATCTTCTT  
 LPCoLN CCTACGACAG TATGATCTC TCTGAGCCTT TACAAAAACAT TCATCTTCTT  
 DE177 CCTACGACAG TATGATCTC TCTGAGCCTT TACAAAAACAT TCATCTTCTT  
 AR39 CCTACGACAG TATAGATCTC TCTGAGCCTT TACAAAAACAT TCATCTTCTT  
 CWL029 CCTACGACAG TATAGATCTC TCTGAGCCTT TACAAAAACAT TCATCTTCTT  
 J138 CCTACGACAG TATAGATCTC TCTGAGCCTT TACAAAAACAT TCATCTTCTT  
 TW183 CCTACGACAG TATAGATCTC TCTGAGCCTT TACAAAAACAT TCATCTTCTT  
 TOR1 CCTACGACAG TATAGATCTC TCTGAGCCTT TACAAAAACAT TCATCTTCTT  
 WA97001 CCTACGACAG TATAGATCTC TCTGAGCCTT TACAAAAACAT TCATCTTCTT  
 1979 CCTACGACAG TATAGATCTC TCTGAGCCTT TACAAAAACAT TCATCTTCTT  
 SH511 CCTACGACAG TATAGATCTC TCTGAGCCTT TACAAAAACAT TCATCTTCTT

Identity 


1,660 1,670 1,680 1,690 1,700

B26 TCTTTATCGG ATGTAAACAGC ACGTCAATATC AATAACCGATA ACTTTCATCC  
 LPCoLN TCTTTATCGG ATGTAAACAGC ACGTCAATATC AATAACCGATA ACTTTCATCC  
 DE177 TCTTTATCGG ATGTAAACAGC ACGTCAATATC AATAACCGATA ACTTTCATCC  
 AR39 TCTTTATCGG ATGTAAACAGC ACGTCAATATC AATAACCGATA ACTTTCATCC  
 CWL029 TCTTTATCGG ATGTAAACAGC ACGTCAATATC AATAACCGATA ACTTTCATCC  
 J138 TCTTTATCGG ATGTAAACAGC ACGTCAATATC AATAACCGATA ACTTTCATCC  
 TW183 TCTTTATCGG ATGTAAACAGC ACGTCAATATC AATAACCGATA ACTTTCATCC  
 TOR1 TCTTTATCGG ATGTAAACAGC ACGTCAATATC AATAACCGATA ACTTTCATCC  
 WA97001 TCTTTATCGG ATGTAAACAGC ACGTCAATATC AATAACCGATA ACTTTCATCC  
 1979 TCTTTATCGG ATGTAAACAGC ACGTCAATATC AATAACCGATA ACTTTCATCC  
 SH511 TCTTTATCGG ATGTAAACAGC ACGTCAATATC AATAACCGATA ACTTTCATCC




Identity  1,710 1,720 1,730 1,740 1,750


B26 TGAAAGCTTA AATACGACTG AGCATTACGG TTATCAAGGC ATCTGGTCTC  
 LPCoLN TGAAAGCTTA AATACGACTG AGCATTACGG TTATCAAGGC ATCTGGTCTC  
 DE177 TGAAAGCTTA AATGCGACTG AGCATTACGG TTATCAAGGC ATCTGGTCTC  
 AR39 TGAAAGCTTA AATGCGACTG AGCATTACGG TTATCAAGGC ATCTGGTCTC  
 CWL029 TGAAAGCTTA AATGCGACTG AGCATTACGG TTATCAAGGC ATCTGGTCTC  
 J138 TGAAAGCTTA AATGCGACTG AGCATTACGG TTATCAAGGC ATCTGGTCTC  
 TW183 TGAAAGCTTA AATGCGACTG AGCATTACGG TTATCAAGGC ATCTGGTCTC  
 TOR1 TGAAAGCTTA AATGCGACTG AGCATTACGG TTATCAAGGC ATCTGGTCTC  
 WA97001 TGAAAGCTTA AATGCGACTG AGCATTACGG TTATCAAGGC ATCTGGTCTC  
 1979 TGAAAGCTTA AATGCGACTG AGCATTACGG TTATCAAGGC ATCTGGTCTC  
 SH511 TGAAAGCTTA AATGCGACTG AGCATTACGG TTATCAAGGC ATCTGGTCTC

Identity  1,760 1,770 1,780 1,790 1,800

B26 CTTATTGGGT AGAGACGATA ACAACAACAA ATAAAGCTTC TATAGAGACG  
 LPCoLN CTTATTGGGT AGAGACGATA ACAACAACAA ATAAAGCTTC TATAGAGACG  
 DE177 CTTATTGGGT AGAGACGATA ACAACAACAA ATAAAGCTTC TATAGAGACG  
 AR39 CTTATTGGGT AGAGACGATA ACAACAACAA ATAAAGCTTC TATAGAGACG  
 CWL029 CTTATTGGGT AGAGACGATA ACAACAACAA ATAAAGCTTC TATAGAGACG  
 J138 CTTATTGGGT AGAGACGATA ACAACAACAA ATAAAGCTTC TATAGAGACG  
 TW183 CTTATTGGGT AGAGACGATA ACAACAACAA ATAAAGCTTC TATAGAGACG  
 TOR1 CTTATTGGGT AGAGACGATA ACAACAACAA ATAAAGCTTC TATAGAGACG  
 WA97001 CTTATTGGGT AGAGACGATA ACAACAACAA ATAAAGCTTC TATAGAGACG  
 1979 CTTATTGGGT AGAGACGATA ACAACAACAA ATAAAGCTTC TATAGAGACG  
 SH511 CTTATTGGGT AGAGACGATA ACAACAACAA ATAAAGCTTC TATAGAGACG

Identity  1,810 1,820 1,830 1,840 1,850

B26 GCAAAACACC TCTAAGAGC TCTGTATGCC AATTGGACTC CCTTAGGATA  
 LPCoLN GCAAAACACC TCTAAGAGC TCTGTATGCC AATTGGACTC CCTTAGGATA  
 DE177 GCAAAACACC TCTAAGAGC TCTGTATGCC AATTGGACTC CCTTAGGATA  
 AR39 GCAAAACACC TCTACAGAGC TCTGTATGCC AATTGGACTC CCTTAGGATA  
 CWL029 GCAAAACACC TCTACAGAGC TCTGTATGCC AATTGGACTC CCTTAGGATA  
 J138 GCAAAACACC TCTACAGAGC TCTGTATGCC AATTGGACTC CCTTAGGATA  
 TW183 GCAAAACACC TCTACAGAGC TCTGTATGCC AATTGGACTC CCTTAGGATA  
 TOR1 GCAAAACACC TCTACAGAGC TCTGTATGCC AATTGGACTC CCTTAGGATA  
 WA97001 GCAAAACACC TCTACAGAGC TCTGTATGCC AATTGGACTC CCTTAGGATA  
 1979 GCAAAACACC TCTAAGAGC TCTGTATGCC AATTGGACTC CCTTAGGATA  
 SH511 GCAAAACACC TCTAAGAGC TCTGTATGCC AATTGGACTC CCTTAGGATA

Identity  1,860 1,870 1,880 1,890 1,900

B26 TAAGGTCAAT CCTGAATACC AAGGAGATCT TGCTACGACT CCCCTATGGC  
 LPCoLN TAAGGTCAAT CCTGAATACC AAGGAGATCT TGCTACGACT CCCCTATGGC  
 DE177 TAAGGTCAAT CCTGAATACC AAGGAGATCT TGCTACGACT CCCCTATGGC  
 AR39 TAAGGTCAAT CCTGAATACC AAGGAGATCT TGCTACGACT CCCCTATGGC  
 CWL029 TAAGGTCAAT CCTGAATACC AAGGAGATCT TGCTACGACT CCCCTATGGC  
 J138 TAAGGTCAAT CCTGAATACC AAGGAGATCT TGCTACGACT CCCCTATGGC  
 TW183 TAAGGTCAAT CCTGAATACC AAGGAGATCT TGCTACGACT CCCCTATGGC  
 TOR1 TAAGGTCAAT CCTGAATACC AAGGAGATCT TGCTACGACT CCCCTATGGC  
 WA97001 TAAGGTCAAT CCTGAATACC AAGGAGATCT TGCTACGACT CCCCTATGGC  
 1979 TAAGGTCAAT CCTGAATACC AAGGAAATCT TGCTACGACT CCCCTATGGC  
 SH511 TAAGGTCAAT CCTGAATACC AAGGAAATCT TGCTACGACT CCCCTATGGC

1,910 1,920 1,930 1,940 1,950

Identity

B26	AA TCC TTT CA	TACTA TG TTC	TCTCTA T TAA	GAAG TTA TAA	TCGAA CTGG T
LPCoLN	AA TCC TTT CA	TACTA TG TTC	TCTCTA T TAA	GAAG TTA TAA	TCGAA CTGG T
DE177	AA TCC TTT CA	TACTA TG TTC	TCTCTA T TAA	GAAG TTA TAA	TCGAA CTGG T
AR39	AA TCC TTT CA	TACTA TG TTC	TCTCTA T TAA	GAAG TTA TAA	TCGAA CTGG T
CWL029	AA TCC TTT CA	TACTA TG TTC	TCTCTA T TAA	GAAG TTA TAA	TCGAA CTGG T
J138	AA TCC TTT CA	TACTA TG TTC	TCTCTA T TAA	GAAG TTA TAA	TCGAA CTGG T
TW183	AA TCC TTT CA	TACTA TG TTC	TCTCTA T TAA	GAAG TTA TAA	TCGAA CTGG T
TOR1	AA TCC TTT CA	TACTA TG TTC	TCTCTA T TAA	GAAG TTA TAA	TCGAA CTGG T
WA97001	AA TCC TTT CA	TACTA TG TTC	TCTCTA T TAA	GAAG TTA TAA	TCGAA CTGG T
1979	AA TCC TTT CA	TACTA TG TTC	TCTCTA T TAA	GAAG TTA TAA	TCGAA CTGG T
SH511	AA TCC TTT CA	TACTA TG TTC	TCTCTA T TAA	GAAG TTA TAA	TCGAA CTGG T

1,960 1,970 1,980 1,990 2,000

Identity

B26	GAT TCTGATA	TCGAGAGGCC	TTTCTTAGAA	ATTCAAGG A	TTGCCGACGG
LPCoLN	GAT TCTGATA	TCGAGAGGCC	TTTCTTAGAA	ATTCAAGG A	TTGCCGACGG
DE177	GAT TCTGATA	TCGAGAGGCC	TTTCTTAGAA	ATTCAAGGGA	TTGCCGACGG
AR39	GAT TCTGATA	TCGAGAGGCC	TTTCTTAGAA	ATTCAAGGGA	TTGCCGACGG
CWL029	GAT TCTGATA	TCGAGAGGCC	TTTCTTAGAA	ATTCAAGGGA	TTGCCGACGG
J138	GAT TCTGATA	TCGAGAGGCC	TTTCTTAGAA	ATTCAAGGGA	TTGCCGACGG
TW183	GAT TCTGATA	TCGAGAGGCC	TTTCTTAGAA	ATTCAAGGGA	TTGCCGACGG
TOR1	GAT TCTGATA	TCGAGAGGCC	TTTCTTAGAA	ATTCAAGGGA	TTGCCGACGG
WA97001	GAT TCTGATA	TCGAGAGGCC	TTTCTTAGAA	ATTCAAGGGA	TTGCCGACGG
1979	GAT TCTGATA	TCGAGAGGCC	TTTCTTAGAA	ATTCAAGGGA	TTGCCGACGG
SH511	GAT TCTGATA	TCGAGAGGCC	TTTCTTAGAA	ATTCAAGGGA	TTGCCGACGG

2,010 2,020 2,030 2,040 2,050

Identity

B26	CCTCTTTGTT	CATCAAAAATA	GCA TCCC CGG	G A CTCCAGGA	TTCCGTATCC
LPCoLN	CCTCTTTGTT	CATCAAAAATA	GCA TCCC CGG	G A CTCCAGGA	TTCCGTATCC
DE177	CCTCTTTGTT	CATCAAAAATA	GCA TCCC CGG	GGCTCCAGGA	TTCCGTATCC
AR39	CCTCTTTGTT	CATCAAAAATA	GCA TCCC CGG	GGCTCCAGGA	TTCCGTATCC
CWL029	CCTCTTTGTT	CATCAAAAATA	GCA TCCC CGG	GGCTCCAGGA	TTCCGTATCC
J138	CCTCTTTGTT	CATCAAAAATA	GCA TCCC CGG	GGCTCCAGGA	TTCCGTATCC
TW183	CCTCTTTGTT	CATCAAAAATA	GCA TCCC CGG	GGCTCCAGGA	TTCCGTATCC
TOR1	CCTCTTTGTT	CATCAAAAATA	GCA TCCC CGG	GGCTCCAGGA	TTCCGTATCC
WA97001	CCTCTTTGTT	CATCAAAAATA	GCA TCCC CGG	GGCTCCAGGA	TTCCGTATCC
1979	CCTCTTTGTT	CATCAAAAATA	GCA TCCC CGG	GGCTCCAGGA	TTCCGTATCC
SH511	CCTCTTTGTT	CATCAAAAATA	GCA TCCC CGG	GGCTCCAGGA	TTCCGTATCC

2,060 2,070 2,080 2,090 2,100

Identity

B26	AA TCTACAGG	GTATTCCTTA	CAAGCATCCT	CCGAAA CTTC	TTT G CATCAG
LPCoLN	AA TCTACAGG	GTATTCCTTA	CAAGCATCCT	CCGAAA CTTC	TTT G CATCAG
DE177	AA TCTACAGG	GTATTCCTTA	CAAGCATCCT	CCGAAA CTTC	TTTACATCAG
AR39	AA TCTACAGG	GTATTCCTTA	CAAGCATCCT	CCGAAA CTTC	TTTACATCAG
CWL029	AA TCTACAGG	GTATTCCTTA	CAAGCATCCT	CCGAAA CTTC	TTTACATCAG
J138	AA TCTACAGG	GTATTCCTTA	CAAGCATCCT	CCGAAA CTTC	TTTACATCAG
TW183	AA TCTACAGG	GTATTCCTTA	CAAGCATCCT	CCGAAA CTTC	TTTACATCAG
TOR1	AA TCTACAGG	GTATTCCTTA	CAAGCATCCT	CCGAAA CTTC	TTTACATCAG
WA97001	AA TCTACAGG	GTATTCCTTA	CAAGCATCCT	CCGAAA CTTC	TTTACATCAG
1979	AA TCTACAGG	GTATTCCTTA	CAAGCATCCT	CCGAAA CTTC	TTTACATCAG
SH511	AA TCTACAGG	GTATTCCTTA	CAAGCATCCT	CCGAAA CTTC	TTTACATCAG

Identity	2,110	2,120	2,130	2,140	2,150
B26	AAAA TCTCCT	TAGG TTTTGC	ACAG TTCCTC	ACCCG CACTA	AAGAAA TCGG
LPCoLN	AAAA TCTCCT	TAGG TTTTGC	ACAG TTCCTC	ACCCG CACTA	AAGAAA TCGG
DE177	AAAA TCTCCT	TAGG TTTTGC	ACAG TTCCTC	ACCCG CACTA	AAGAAA TCGG
AR39	AAAA TCTCCT	TAGG TTTTGC	ACAG TTCCTC	ACCCG CACTA	AAGAAA TCGG
CWL029	AAAA TCTCCT	TAGG TTTTGC	ACAG TTCCTC	ACCCG CACTA	AAGAAA TCGG
J138	AAAA TCTCCT	TAGG TTTTGC	ACAG TTCCTC	ACCCG CACTA	AAGAAA TCGG
TW183	AAAA TCTCCT	TAGG TTTTGC	ACAG TTCCTC	ACCCG CACTA	AAGAAA TCGG
TOR1	AAAA TCTCCT	TAGG TTTTGC	ACAG TTCCTC	ACCCG CACTA	AAGAAA TCGG
WA97001	AAAA TCTCCT	TAGG TTTTGC	ACAG TTCCTC	ACCCG CACTA	AAGAAA TCGG
1979	AAAA TCTCCT	TAGG TTTTGC	ACAG TTCCTC	ACCCG CACTA	AAGAAA TCGG
SH511	AAAA TCTCCT	TAGG TTTTGC	ACAG TTCCTC	ACCCG CACTA	AAGAAA TCGG

Identity	2,160	2,169
B26	ATCAAGCAAC	AACGTCTCG
LPCoLN	ATCAAGCAAC	AACGTCTCG
DE177	ATCAAGCAAC	AACGTCTCG
AR39	ATCAAGCAAC	AACGTCTCG
CWL029	ATCAAGCAAC	AACGTCTCG
J138	ATCAAGCAAC	AACGTCTCG
TW183	ATCAAGCAAC	AACGTCTCG
TOR1	ATCAAGCAAC	AACGTCTCG
WA97001	ATCAAGCAAC	AACGTCTCG
1979	ATCAAGCAAC	AACGTCTCG
SH511	ATCAAGCAAC	AACGTCTCG



