
































Identity	1	10	20	30	40	50	60	70	80
B26	TATTCTGAAG	ATTGCTCTAA	AGCTGAGACA	ATCACTTTCC	CTGTTCTTCC	AGAACAGCCA	ATCACTCCAA	CGTGCATACT	
LPCoLN									
AR39	TATTCTGAAG	ATTGCTCTAA	AGCTGAGACA	ATCACTTTCC	CTGTTCTTCC	AGAACAGCCA	ATCACTCCAA	CGTGCATACT	
CWL029	TATTCTGAAG	ATTGCTCTAA	AGCTGAGACA	ATCACTTTCC	CTGTTCTTCC	AGAACAGCCA	ATCACTCCAA	CGTGCATACT	
J138	TATTCTGAAG	ATTGCTCTAA	AGCTGAGACA	ATCACTTTCC	CTGTTCTTCC	AGAACAGCCA	ATCACTCCAA	CGTGCATACT	
TW183	TATTCTGAAG	ATTGCTCTAA	AGCTGAGACA	ATCACTTTCC	CTGTTCTTCC	AGAACAGCCA	ATCACTCCAA	CGTGCATACT	
TOR1	TATTCTGAAG	ATTGCTCTAA	AGCTGAGACA	ATCACTTTCC	CTGTTCTTCC	AGAACAGCCA	ATCACTCCAA	CGTGCATACT	
WA97001	TATTCTGAAG	ATTGCTCTAA	AGCTGAGACA	ATCACTTTCC	CTGTTCTTCC	AGAACAGCCA	ATCACTCCAA	CGTGCATACT	
1979	TATTCTGAAG	ATTGCTCTAA	AGCTGAGACA	ATCACTTTCC	CTGTTCTTCC	AGAACAGCCA	ATCACTCCAA	CGTGCATACT	
SH511	TATTCTGAAG	ATTGCTCTAA	AGCTGAGACA	ATCACTTTCC	CTGTTCTTCC	AGAACAGCCA	ATCACTCCAA	CGTGCATACT	
Identity	90	100	110	120	130	140	150	160	
B26	CGACCCATA	TTCCTACTAC	CGAATCATTC	TACAAAAGGA	AAATAAAGAG	AAGCAAGCTT	TAGCTCGACA	CAAATGCATT	
LPCoLN									
AR39	CGACCCATA	TTCCTACTAC	CGAATCATTC	TACAAAAGGA	AAATAAAGAG	AAGCAAGCTT	TAGCTCGACA	CAAATGCATT	
CWL029	CGACCCATA	TTCCTACTAC	CGAATCATTC	TACAAAAGGA	AAATAAAGAG	AAGCAAGCTT	TAGCTCGACA	CAAATGCATT	
J138	CGACCCATA	TTCCTACTAC	CGAATCATTC	TACAAAAGGA	AAATAAAGAG	AAGCAAGCTT	TAGCTCGACA	CAAATGCATT	
TW183	CGACCCATA	TTCCTACTAC	CGAATCATTC	TACAAAAGGA	AAATAAAGAG	AAGCAAGCTT	TAGCTCGACA	CAAATGCATT	
TOR1	CGACCCATA	TTCCTACTAC	CGAATCATTC	TACAAAAGGA	AAATAAAGAG	AAGCAAGCTT	TAGCTCGACA	CAAATGCATT	
WA97001	CGACCCATA	TTCCTACTAC	CGAATCATTC	TACAAAAGGA	AAATAAAGAG	AAGCAAGCTT	TAGCTCGACA	CAAATGCATT	
1979	CGACCCATA	TTCCTACTAC	CGAATCATTC	TACAAAAGGA	AAATAAAGAG	AAGCAAGCTT	TAGCTCGACA	CAAATGCATT	
SH511	CGACCCATA	TTCCTACTAC	CGAATCATTC	TACAAAAGGA	AAATAAAGAG	AAGCAAGCTT	TAGCTCGACA	CAAATGCATT	
Identity	170	180	190	200	210	220	230	240	
B26	TCTATTTTAG	AATTTTTCAA	AAACTTACTC	TTTGTTCA TC	TTC TGT CATT	ATCAAAGAAT	CAAAGGGAAG	GTTGCTCCAC	
LPCoLN									
AR39	TCTATTTTAG	AATTTTTCAA	AAACTTACTC	TTTGTTCA TC	TTC TGT CATT	ATCAAAGAAT	CAAAGGGAAG	GTTGCTCCAC	
CWL029	TCTATTTTAG	AATTTTTCAA	AAACTTACTC	TTTGTTCA TC	TTC TGT CATT	ATCAAAGAAT	CAAAGGGAAG	GTTGCTCCAC	
J138	TCTATTTTAG	AATTTTTCAA	AAACTTACTC	TTTGTTCA TC	TTC TGT CATT	ATCAAAGAAT	CAAAGGGAAG	GTTGCTCCAC	
TW183	TCTATTTTAG	AATTTTTCAA	AAACTTACTC	TTTGTTCA TC	TTC TGT CATT	ATCAAAGAAT	CAAAGGGAAG	GTTGCTCCAC	
TOR1	TCTATTTTAG	AATTTTTCAA	AAACTTACTC	TTTGTTCA TC	TTC TGT CATT	ATCAAAGAAT	CAAAGGGAAG	GTTGCTCCAC	
WA97001	TCTATTTTAG	AATTTTTCAA	AAACTTACTC	TTTGTTCA TC	TTC TGT CATT	ATCAAAGAAT	CAAAGGGAAG	GTTGCTCCAC	
1979	TCTATTTTAG	AATTTTTCAA	AAACTTACTC	TTTGTTCA TC	TTC TGT CATT	ATCAAAGAAT	CAAAGGGAAG	GTTGCTCCAC	
SH511	TCTATTTTAG	AATTTTTCAA	AAACTTACTC	TTTGTTCA TC	TTC TGT CATT	ATCAAAGAAT	CAAAGGGAAG	GTTGCTCCAC	
Identity	250	260	270	280	290	300	310	320	
B26	TGATATGGCT	GTTGTAAGCA	CTCCGTTTTT	TAATCA GAAT	TTATGGTATC	GACTCCTTTC	CTCACGGTTT	TCTCTATGGA	
LPCoLN	ATGGCT	GTTGTAAGCA	CTCCGTTTTT	TAATCA GAAT	TTATGGTATC	GACTCCTTTC	CTCACGGTTT	TCTCTATGGA	
AR39	TGATATGGCT	GTTGTAAGCA	CTCCCTTTTT	TAATCGGAAT	TTATGGTATC	GACTCCTTTC	CTCACGGTTT	TCTCTATGGA	
CWL029	TGATATGGCT	GTTGTAAGCA	CTCCCTTTTT	TAATCGGAAT	TTATGGTATC	GACTCCTTTC	CTCACGGTTT	TCTCTATGGA	
J138	TGATATGGCT	GTTGTAAGCA	CTCCCTTTTT	TAATCGGAAT	TTATGGTATC	GACTCCTTTC	CTCACGGTTT	TCTCTATGGA	
TW183	TGATATGGCT	GTTGTAAGCA	CTCCCTTTTT	TAATCGGAAT	TTATGGTATC	GACTCCTTTC	CTCACGGTTT	TCTCTATGGA	
TOR1	TGATATGGCT	GTTGTAAGCA	CTCCCTTTTT	TAATCGGAAT	TTATGGTATC	GACTCCTTTC	CTCACGGTTT	TCTCTATGGA	
WA97001	TGATATGGCT	GTTGTAAGCA	CTCCCTTTTT	TAATCGGAAT	TTATGGTATC	GACTCCTTTC	CTCACGGTTT	TCTCTATGGA	
1979	TGATATGGCT	GTTGTAAGCA	CTCCCTTTTT	TAATCGGAAT	TTATGGTATC	GACTCCTTTC	CTCACGGTTT	TCTCTATGGA	
SH511	TGATATGGCT	GTTGTAAGCA	CTCCCTTTTT	TAATCGGAAT	TTATGGTATC	GACTCCTTTC	CTCACGGTTT	TCTCTATGGA	

	330	340	350	360	370	380	390	400
Identity								
B26	AAAGCTATTG	TCCAAGATTT	TTTCTTGATT	ACTTAGAAGC	TTTCGGTCTC	CTTTCTGATT	TCTTAGACCA	TCAAGCAGTC
LPCoLN	AAAGCTATTG	TCCAAGATTT	TTTCTTGATT	ACTTAGAAGC	TTTCGGTCTC	CTTTCTGATT	TCTTAGACCA	TCAAGCAGTC
AR39	AAAGCTATTG	TCCAAGATTT	TTTCTTGATT	ACTTAGAAGC	TTTCGGTCTC	CTTTCTGATT	TCTTAGACCA	TCAAGCAGTC
CWL029	AAAGCTATTG	TCCAAGATTT	TTTCTTGATT	ACTTAGAAGC	TTTCGGTCTC	CTTTCTGATT	TCTTAGACCA	TCAAGCAGTC
J138	AAAGCTATTG	TCCAAGATTT	TTTCTTGATT	ACTTAGAAGC	TTTCGGTCTC	CTTTCTGATT	TCTTAGACCA	TCAAGCAGTC
TW183	AAAGCTATTG	TCCAAGATTT	TTTCTTGATT	ACTTAGAAGC	TTTCGGTCTC	CTTTCTGATT	TCTTAGACCA	TCAAGCAGTC
TOR1	AAAGCTATTG	TCCAAGATTT	TTTCTTGATT	ACTTAGAAGC	TTTCGGTCTC	CTTTCTGATT	TCTTAGACCA	TCAAGCAGTC
WA97001	AAAGCTATTG	TCCAAGATTT	TTTCTTGATT	ACTTAGAAGC	TTTCGGTCTC	CTTTCTGATT	TCTTAGACCA	TCAAGCAGTC
1979	AAAGCTATTG	TCCAAGATTT	TTTCTTGATT	ACTTAGAAGC	TTTCGGTCTC	CTTTCTGATT	TCTTAGACCA	TCAAGCAGTC
SH511	AAAGCTATTG	TCCAAGATTT	TTTCTTGATT	ACTTAGAAGC	TTTCGGTCTC	CTTTCTGATT	TCTTAGACCA	TCAAGCAGTC

	410	420	430	440	450	460	470	480
Identity								
B26	ATTAAATTCT	TCGAATTAGA	AACACATTTT	TCC TATTATC	CCGTTTCAGG	ATTTGTAGCT	CCCCATCAAT	ACTTGTCTCT
LPCoLN	ATTAAATTCT	TCGAATTAGA	AACACATTTT	TCC TATTATC	CCGTTTCAGG	ATTTGTAGCT	CCCCATCAAT	ACTTGTCTCT
AR39	ATTAAATTCT	TCGAATTAGA	AACACATTTT	TCC TATTATC	CCGTTTCAGG	ATTTGTAGCT	CCCCATCAAT	ACTTGTCTCT
CWL029	ATTAAATTCT	TCGAATTAGA	AACACATTTT	TCC TATTATC	CCGTTTCAGG	ATTTGTAGCT	CCCCATCAAT	ACTTGTCTCT
J138	ATTAAATTCT	TCGAATTAGA	AACACATTTT	TCC TATTATC	CCGTTTCAGG	ATTTGTAGCT	CCCCATCAAT	ACTTGTCTCT
TW183	ATTAAATTCT	TCGAATTAGA	AACACATTTT	TCC TATTATC	CCGTTTCAGG	ATTTGTAGCT	CCCCATCAAT	ACTTGTCTCT
TOR1	ATTAAATTCT	TCGAATTAGA	AACACATTTT	TCC TATTATC	CCGTTTCAGG	ATTTGTAGCT	CCCCATCAAT	ACTTGTCTCT
WA97001	ATTAAATTCT	TCGAATTAGA	AACACATTTT	TCC TATTATC	CCGTTTCAGG	ATTTGTAGCT	CCCCATCAAT	ACTTGTCTCT
1979	ATTAAATTCT	TCGAATTAGA	AACACATTTT	TCC TATTATC	CCGTTTCAGG	ATTTGTAGCT	CCCCATCAAT	ACTTGTCTCT
SH511	ATTAAATTCT	TCGAATTAGA	AACACATTTT	TCC TATTATC	CCGTTTCAGG	ATTTGTAGCT	CCCCATCAAT	ACTTGTCTCT

	490	500	510	520	530	540	550	560
Identity								
B26	GTTGCAGGAC	CGTTACTTTC	CCATTGCCCTC	TGTAATGC GA	ACTCTCGATA	AAGATAATTT	CTCCTTAACT	CCTGATCTCA
LPCoLN	GTTGCAGGAC	CGTTACTTTC	CCATTGCCCTC	TGTAATGC GA	ACTCTCGATA	AAGATAATTT	CTCCTTAACT	CCTGATCTCA
AR39	GTTGCAGGAC	CGTTACTTTC	CCATTGCCCTC	TGTAATGC GA	ACTCTCGATA	AAGATAATTT	CTCCTTAACT	CCTGATCTCA
CWL029	GTTGCAGGAC	CGTTACTTTC	CCATTGCCCTC	TGTAATGC GA	ACTCTCGATA	AAGATAATTT	CTCCTTAACT	CCTGATCTCA
J138	GTTGCAGGAC	CGTTACTTTC	CCATTGCCCTC	TGTAATGC GA	ACTCTCGATA	AAGATAATTT	CTCCTTAACT	CCTGATCTCA
TW183	GTTGCAGGAC	CGTTACTTTC	CCATTGCCCTC	TGTAATGC GA	ACTCTCGATA	AAGATAATTT	CTCCTTAACT	CCTGATCTCA
TOR1	GTTGCAGGAC	CGTTACTTTC	CCATTGCCCTC	TGTAATGC GA	ACTCTCGATA	AAGATAATTT	CTCCTTAACT	CCTGATCTCA
WA97001	GTTGCAGGAC	CGTTACTTTC	CCATTGCCCTC	TGTAATGC GA	ACTCTCGATA	AAGATAATTT	CTCCTTAACT	CCTGATCTCA
1979	GTTGCAGGAC	CGTTACTTTC	CCATTGCCCTC	TGTAATGC GA	ACTCTCGATA	AAGATAATTT	CTCCTTAACT	CCTGATCTCA
SH511	GTTGCAGGAC	CGTTACTTTC	CCATTGCCCTC	TGTAATGC GA	ACTCTCGATA	AAGATAATTT	CTCCTTAACT	CCTGATCTCA

	570	580	590	600	610	620	630	640
Identity								
B26	TCCATGACCT	TTTAGGGCAC	GTGCCTTGGC	TTC TACATCC	CTCATTTTCT	GAATTTTTC A	TAAACATGGG	AAGACTCTTC
LPCoLN	TCCATGACCT	TTTAGGGCAC	GTGCCTTGGC	TTC TACATCC	CTCATTTTCT	GAATTTTTC A	TAAACATGGG	AAGACTCTTC
AR39	TCCATGACCT	TTTAGGGCAC	GTGCCTTGGC	TTC TACATCC	CTCATTTTCT	GAATTTTTC A	TAAACATGGG	AAGACTCTTC
CWL029	TCCATGACCT	TTTAGGGCAC	GTGCCTTGGC	TTC TACATCC	CTCATTTTCT	GAATTTTTC A	TAAACATGGG	AAGACTCTTC
J138	TCCATGACCT	TTTAGGGCAC	GTGCCTTGGC	TTC TACATCC	CTCATTTTCT	GAATTTTTC A	TAAACATGGG	AAGACTCTTC
TW183	TCCATGACCT	TTTAGGGCAC	GTGCCTTGGC	TTC TACATCC	CTCATTTTCT	GAATTTTTC A	TAAACATGGG	AAGACTCTTC
TOR1	TCCATGACCT	TTTAGGGCAC	GTGCCTTGGC	TTC TACATCC	CTCATTTTCT	GAATTTTTC A	TAAACATGGG	AAGACTCTTC
WA97001	TCCATGACCT	TTTAGGGCAC	GTGCCTTGGC	TTC TACATCC	CTCATTTTCT	GAATTTTTC A	TAAACATGGG	AAGACTCTTC
1979	TCCATGACCT	TTTAGGGCAC	GTGCCTTGGC	TTC TACATCC	CTCATTTTCT	GAATTTTTC A	TAAACATGGG	AAGACTCTTC
SH511	TCCATGACCT	TTTAGGGCAC	GTGCCTTGGC	TTC TACATCC	CTCATTTTCT	GAATTTTTC A	TAAACATGGG	AAGACTCTTC

Identity								
B26	ACTAAAGTCA	TAGAAAAAGT	ACAAGCTCTT	CCTAGTAAAA	AACAACGCAT	ACAAACCCTA	CAAAGCAATC	TGATCGCTAT
LPCoLN	ACTAAAGTCA	TAGAAAAAGT	ACAAGCTCTT	CCTAGTAAAA	AACAACGCAT	ACAAACCCTA	CAAAGCAATC	TGATCGCTAT
AR39	ACTAAAGTCA	TAGAAAAAGT	ACAAGCTCTT	CCTAGTAAAA	AACAACGCAT	ACAAACCCTA	CAAAGCAATC	TGATCGCTAT
CWL029	ACTAAAGTCA	TAGAAAAAGT	ACAAGCTCTT	CCTAGTAAAA	AACAACGCAT	ACAAACCCTA	CAAAGCAATC	TGATCGCTAT
J138	ACTAAAGTCA	TAGAAAAAGT	ACAAGCTCTT	CCTAGTAAAA	AACAACGCAT	ACAAACCCTA	CAAAGCAATC	TGATCGCTAT
TW183	ACTAAAGTCA	TAGAAAAAGT	ACAAGCTCTT	CCTAGTAAAA	AACAACGCAT	ACAAACCCTA	CAAAGCAATC	TGATCGCTAT
TOR1	ACTAAAGTCA	TAGAAAAAGT	ACAAGCTCTT	CCTAGTAAAA	AACAACGCAT	ACAAACCCTA	CAAAGCAATC	TGATCGCTAT
WA97001	ACTAAAGTCA	TAGAAAAAGT	ACAAGCTCTT	CCTAGTAAAA	AACAACGCAT	ACAAACCCTA	CAAAGCAATC	TGATCGCTAT
1979	ACTAAAGTCA	TAGAAAAAGT	ACAAGCTCTT	CCTAGTAAAA	AACAACGCAT	ACAAACCCTA	CAAAGCAATC	TGATCGCTAT
SH511	ACTAAAGTCA	TAGAAAAAGT	ACAAGCTCTT	CCTAGTAAAA	AACAACGCAT	ACAAACCCTA	CAAAGCAATC	TGATCGCTAT
Identity								
B26	TATACGCTGC	TTTTGGTTTA	CTGTTGAAAG	CGGACTTATT	GAAAACCATG	AAGGAAGAAA	AGCATATGGA	GCCGTTCTTA
LPCoLN	TATACGCTGC	TTTTGGTTTA	CTGTTGAAAG	CGGACTTATT	GAAAACCATG	AAGGAAGAAA	AGCATATGGA	GCCGTTCTTA
AR39	TGTACGCTGC	TTTTGGTTTA	CTGTTGAAAG	CGGACTTATT	GAAAACCATG	AAGGAAGAAA	AGCATATGGA	GCCGTTCTTA
CWL029	TGTACGCTGC	TTTTGGTTTA	CTGTTGAAAG	CGGACTTATT	GAAAACCATG	AAGGAAGAAA	AGCATATGGA	GCCGTTCTTA
J138	TGTACGCTGC	TTTTGGTTTA	CTGTTGAAAG	CGGACTTATT	GAAAACCATG	AAGGAAGAAA	AGCATATGGA	GCCGTTCTTA
TW183	TGTACGCTGC	TTTTGGTTTA	CTGTTGAAAG	CGGACTTATT	GAAAACCATG	AAGGAAGAAA	AGCATATGGA	GCCGTTCTTA
TOR1	TGTACGCTGC	TTTTGGTTTA	CTGTTGAAAG	CGGACTTATT	GAAAACCATG	AAGGAAGAAA	AGCATATGGA	GCCGTTCTTA
WA97001	TGTACGCTGC	TTTTGGTTTA	CTGTTGAAAG	CGGACTTATT	GAAAACCATG	AAGGAAGAAA	AGCATATGGA	GCCGTTCTTA
1979	TGTACGCTGC	TTTTGGTTTA	CTGTTGAAAG	CGGACTTATT	GAAAACCATG	AAGGAAGAAA	AGCATATGGA	GCCGTTCTTA
SH511	TGTACGCTGC	TTTTGGTTTA	CTGTTGAAAG	CGGACTTATT	GAAAACCATG	AAGGAAGAAA	AGCATATGGA	GCCGTTCTTA
Identity								
B26	TCAGTTCTCC	TCAGGAAC TT	AGACACGCTT	TCATTGATAA	CGTACGTGTT	CTCCCTTTAG	AATTGGATCA	GATTATTCGT
LPCoLN	TCAGTTCTCC	TCAGGAAC TT	AGACACGCTT	TCATTGATAA	CGTACGTGTT	CTCCCTTTAG	AATTGGATCA	GATTATTCGT
AR39	TCAGTTCTCC	TCAGGAAC TT	GGACACGCTT	TCATTGATAA	CGTACGTGTT	CTCCCTTTAG	AATTGGATCA	GATTATTCGT
CWL029	TCAGTTCTCC	TCAGGAAC TT	GGACACGCTT	TCATTGATAA	CGTACGTGTT	CTCCCTTTAG	AATTGGATCA	GATTATTCGT
J138	TCAGTTCTCC	TCAGGAAC TT	GGACACGCTT	TCATTGATAA	CGTACGTGTT	CTCCCTTTAG	AATTGGATCA	GATTATTCGT
TW183	TCAGTTCTCC	TCAGGAAC TT	GGACACGCTT	TCATTGATAA	CGTACGTGTT	CTCCCTTTAG	AATTGGATCA	GATTATTCGT
TOR1	TCAGTTCTCC	TCAGGAAC TT	GGACACGCTT	TCATTGATAA	CGTACGTGTT	CTCCCTTTAG	AATTGGATCA	GATTATTCGT
WA97001	TCAGTTCTCC	TCAGGAAC TT	GGACACGCTT	TCATTGATAA	CGTACGTGTT	CTCCCTTTAG	AATTGGATCA	GATTATTCGT
1979	TCAGTTCTCC	TCAGGAAC TT	AGACACGCTT	TCATTGATAA	CGTACGTGTT	CTCCCTTTAG	AATTGGATCA	GATTATTCGT
SH511	TCAGTTCTCC	TCAGGAAC TT	AGACACGCTT	TCATTGATAA	CGTACGTGTT	CTCCCTTTAG	AATTGGATCA	GATTATTCGT
Identity								
B26	CTTCCCTTCA	ATACATCAAC	TCCACAAGAG	ACTTTATTTT	CAATAAGACA	TTTTGATGAA	CTGGTAGAAC	TCACTTCAA
LPCoLN	CTTCCCTTCA	ATACATCAAC	TCCACAAGAG	ACTTTATTTT	CAATAAGACA	TTTTGATGAA	CTGGTAGAAC	TCACTTCAA
AR39	CTTCCCTTCA	ATACATCAAC	TCCACAAGAG	ACTTTATTTT	CAATAAGACA	TTTTGATGAA	CTGGTAGAAC	TCACTTCAA
CWL029	CTTCCCTTCA	ATACATCAAC	TCCACAAGAG	ACTTTATTTT	CAATAAGACA	TTTTGATGAA	CTGGTAGAAC	TCACTTCAA
J138	CTTCCCTTCA	ATACATCAAC	TCCACAAGAG	ACTTTATTTT	CAATAAGACA	TTTTGATGAA	CTGGTAGAAC	TCACTTCAA
TW183	CTTCCCTTCA	ATACATCAAC	TCCACAAGAG	ACTTTATTTT	CAATAAGACA	TTTTGATGAA	CTGGTAGAAC	TCACTTCAA
TOR1	CTTCCCTTCA	ATACATCAAC	TCCACAAGAG	ACTTTATTTT	CAATAAGACA	TTTTGATGAA	CTGGTAGAAC	TCACTTCAA
WA97001	CTTCCCTTCA	ATACATCAAC	TCCACAAGAG	ACTTTATTTT	CAATAAGACA	TTTTGATGAA	CTGGTAGAAC	TCACTTCAA
1979	CTTCCCTTCA	ATACATCAAC	TCCACAAGAG	ACTTTATTTT	CAATAAGACA	TTTTGATGAA	CTGGTAGAAC	TCACTTCAA
SH511	CTTCCCTTCA	ATACATCAAC	TCCACAAGAG	ACTTTATTTT	CAATAAGACA	TTTTGATGAA	CTGGTAGAAC	TCACTTCAA

Identity	970	980	990	1,000	1,010	1,020	1,030	1,039
B26	ATTAGAATGG	ATGCTCGACC	AAGGTC TGTT	AGAATCAATT	CCCCTTTACA	ATCAAGAGAA	ATATCTTTCT	GGTTTTGAG
LPCoLN	ATTAGAATGG	ATGCTCGACC	AAGGTC TGTT	AGAATCAATT	CCCCTTTACA	ATCAAGAGAA	ATATCTTTCT	GGTTTTGAG
AR39	ATTAGAATGG	ATGCTCGACC	AAGGTC TGTT	AGAATCAATT	CCCCTTTACA	ATCAAGAGAA	ATATCTTTCT	GGTTTTGAG
CWL029	ATTAGAATGG	ATGCTCGACC	AAGGTC TGTT	AGAATCAATT	CCCCTTTACA	ATCAAGAGAA	ATATCTTTCT	GGTTTTGAG
J138	ATTAGAATGG	ATGCTCGACC	AAGGTC TGTT	AGAATCAATT	CCCCTTTACA	ATCAAGAGAA	ATATCTTTCT	GGTTTTGAG
TW183	ATTAGAATGG	ATGCTCGACC	AAGGTC TGTT	AGAATCAATT	CCCCTTTACA	ATCAAGAGAA	ATATCTTTCT	GGTTTTGAG
TOR1	ATTAGAATGG	ATGCTCGACC	AAGGTC TGTT	AGAATCAATT	CCCCTTTACA	ATCAAGAGAA	ATATCTTTCT	GGTTTTGAG
WA97001	ATTAGAATGG	ATGCTCGACC	AAGGTC TGTT	AGAATCAATT	CCCCTTTACA	ATCAAGAGAA	ATATCTTTCT	GGTTTTGAG
1979	ATTAGAATGG	ATGCTCGACC	AAGGTC TGTT	AGAATCAATT	CCCCTTTACA	ATCAAGAGAA	ATATCTTTCT	GGTTTTGAG
SH511	ATTAGAATGG	ATGCTCGACC	AAGGTC TGTT	AGAATCAATT	CCCCTTTACA	ATCAAGAGAA	ATATCTTTCT	GGTTTTGAG

