








	1	10	20	30	40	50
Identity						
B26	CCAATCTATG	TCGGATCCCT	GAAGTTTCTA	TTTATACTGA	ACAGGAAACG	
B37	CCAATCTATG	TCGGATCCCT	GAAGTTTCTA	TTTATACTGA	ACAGGAAACG	
EBB	CCAATCTATG	TCGGATCCCT	GAAGTTTCTA	TTTATACTGA	ACAGGAAACG	
LPCoLN	CCAATCTATG	TCGGATCCCT	GAAGTTTCTA	TTTATACTGA	ACAGGAAACG	
Pot37	CCAATCTATG	TCGGATCCCT	GAAGTTTCTA	TTTATACTGA	ACAGGAAACG	
GBF	CCAATCTATG	TCGGATCCCT	GAAGTTTCTA	TTTATACTGA	ACAGGAAACG	
DE177	CCAATCTATG	TCGGATCCCT	GAAGTTTCTA	TTTATACTGA	ACAGGAAACG	
N16	CCAATCTATG	TCGGATCCCT	GAAGTTTCTA	TTTATACTGA	ACAGGAAACG	
AR39	CCAATCTATG	TCGGATCCCT	GAAGTTTCTA	TTTATACTGA	ACAGGAAACG	
CWL029	CCAATCTATG	TCGGATCCCT	GAAGTTTCTA	TTTATACTGA	ACAGGAAACG	
J138	CCAATCTATG	TCGGATCCCT	GAAGTTTCTA	TTTATACTGA	ACAGGAAACG	
TW183	CCAATCTATG	TCGGATCCCT	GAAGTTTCTA	TTTATACTGA	ACAGGAAACG	
IOL207	CCAATCTATG	TCGGATCCCT	GAAGTTTCTA	TTTATACTGA	ACAGGAAACG	
A03	CCAATCTATG	TCGGATCCCT	GAAGTTTCTA	TTTATACTGA	ACAGGAAACG	
WA97001	CCAATCTATG	TCGGATCCCT	GAAGTTTCTA	TTTATACTGA	ACAGGAAACG	
SH511	CCAATCTATG	TCGGATCCCT	GAAGTTTCTA	TTTATACTGA	ACAGGAAACG	
1979	CCAATCTATG	TCGGATCCCT	GAAGTTTCTA	TTTATACTGA	ACAGGAAACG	

	60	70	80	90	100
Identity					
B26	TCA TC AAAAC	CAT TAAAGAT	TGGGG TTTTA	CTATCAGGAG	GACAAGCTCC
B37	TCA TC AAAAC	CAT TAAAGAT	TGGGG TTTTA	CTATCAGGAG	GACAAGCTCC
EBB	TCA TC AAAAC	CAT TAAAGAT	TGGGG TTTTA	CTATCAGGAG	GACAAGCTCC
LPCoLN	TCA TC AAAAC	CAT TAAAGAT	TGGGG TTTTA	CTATCAGGAG	GACAAGCTCC
Pot37	TCA TC AAAAC	CAT TAAAGAT	TGGGG TTTTA	CTATCAGGAG	GACAAGCTCC
GBF	TCA TC AAAAC	CAT TAAAGAT	TGGGG TTTTA	CTATCAGGAG	GACAAGCTCC
DE177	TCA TC AAAAC	CAT TAAAGAT	TGGGG TTTTA	CTATCAGGAG	GACAAGCTCC
N16	TCA TC AAAAC	CAT TAAAGAT	TGGGG TTTTA	CTATCAGGAG	GACAAGCTCC
AR39	TCA TC AAAAC	CAT TAAAGAT	TGGGG TTTTA	CTATCAGGAG	GACAAGCTCC
CWL029	TCA TC AAAAC	CAT TAAAGAT	TGGGG TTTTA	CTATCAGGAG	GACAAGCTCC
J138	TCA TC AAAAC	CAT TAAAGAT	TGGGG TTTTA	CTATCAGGAG	GACAAGCTCC
TW183	TCA TC AAAAC	CAT TAAAGAT	TGGGG TTTTA	CTATCAGGAG	GACAAGCTCC
IOL207	TCA TC AAAAC	CAT TAAAGAT	TGGGG TTTTA	CTATCAGGAG	GACAAGCTCC
A03	TCA TC AAAAC	CAT TAAAGAT	TGGGG TTTTA	CTATCAGGAG	GACAAGCTCC
WA97001	TCA TC AAAAC	CAT TAAAGAT	TGGGG TTTTA	CTATCAGGAG	GACAAGCTCC
SH511	TCA TC AAAAC	CAT TAAAGAT	TGGGG TTTTA	CTATCAGGAG	GACAAGCTCC
1979	TCA TC AAAAC	CAT TAAAGAT	TGGGG TTTTA	CTATCAGGAG	GACAAGCTCC

	110	120	130	140	150
Identity					
B26	TGGGGGGGCA	AA TG TCG TTA	TTGGTCTTTT	TGATGCTTTA	CGAGTATTCA
B37	TGGGGGGGCA	AA TG TCG TTA	TTGGTCTTTT	TGATGCTTTA	CGAGTATTCA
EBB	TGGGGGGGCA	AA TG TCG TTA	TTGGTCTTTT	TGATGCTTTA	CGAGTATTCA
LPCoLN	TGGGGGGGCA	AA TG TCG TTA	TTGGTCTTTT	TGATGCTTTA	CGAGTATTCA
Pot37	TGGGGGGGCA	AA TG TCG TTA	TTGGTCTTTT	TGATGCTTTA	CGAGTATTCA
GBF	TGGGGGGGCA	AA TG TCG TTA	TTGGTCTTTT	TGATGCTTTA	CGAGTATTCA
DE177	TGGGGGGGCA	AA TG TCG TTA	TTGGTCTTTT	TGATGCTTTA	CGAGTATTCA
N16	TGGGGGGGCA	AA TG TCG TTA	TTGGTCTTTT	TGATGCTTTA	CGAGTATTCA
AR39	TGGGGGGGCA	AA TG TCG TTA	TTGGTCTTTT	TGATGCTTTA	CGAGTATTCA
CWL029	TGGGGGGGCA	AA TG TCG TTA	TTGGTCTTTT	TGATGCTTTA	CGAGTATTCA
J138	TGGGGGGGCA	AA TG TCG TTA	TTGGTCTTTT	TGATGCTTTA	CGAGTATTCA
TW183	TGGGGGGGCA	AA TG TCG TTA	TTGGTCTTTT	TGATGCTTTA	CGAGTATTCA
IOL207	TGGGGGGGCA	AA TG TCG TTA	TTGGTCTTTT	TGATGCTTTA	CGAGTATTCA
A03	TGGGGGGGCA	AA TG TCG TTA	TTGGTCTTTT	TGATGCTTTA	CGAGTATTCA
WA97001	TGGGGGGGCA	AA TG TCG TTA	TTGGTCTTTT	TGATGCTTTA	CGAGTATTCA
SH511	TGGGGGGGCA	AA TG TCG TTA	TTGGTCTTTT	TGATGCTTTA	CGAGTATTCA
1979	TGGGGGGGCA	AA TG TCG TTA	TTGGTCTTTT	TGATGCTTTA	CGAGTATTCA

Identity					
	160	170	180	190	200
B26	ATCCC G AGAC	TCGCTTATTT	GGATTCA TCA	AAGGACCTTT	AGGGCTTACT
B37	ATCCC G AGAC	TCGCTTATTT	GGATTCA TCA	AAGGACCTTT	AGGGCTTACT
EBB	ATCCC G AGAC	TCGCTTATTT	GGATTCA TCA	AAGGACCTTT	AGGGCTTACT
LPCoLN	ATCCC G AGAC	TCGCTTATTT	GGATTCA TCA	AAGGACCTTT	AGGGCTTACT
Pot37	ATCCC G AGAC	TCGCTTATTT	GGATTCA TCA	AAGGACCTTT	AGGGCTTACT
GBF	ATCCC G AGAC	TCGCTTATTT	GGATTCA TCA	AAGGACCTTT	AGGGCTTACT
DE177	ATCCCAAGAC	TCGCTTATTT	GGATTCA TCA	AAGGACCTTT	AGGGCTTACT
N16	ATCCCAAGAC	TCGCTTATTT	GGATTCA TCA	AAGGACCTTT	AGGGCTTACT
AR39	ATCCCAAGAC	TCGCTTATTT	GGATTCA TCA	AAGGACCTTT	AGGGCTTACT
CWL029	ATCCCAAGAC	TCGCTTATTT	GGATTCA TCA	AAGGACCTTT	AGGGCTTACT
J138	ATCCCAAGAC	TCGCTTATTT	GGATTCA TCA	AAGGACCTTT	AGGGCTTACT
TW183	ATCCCAAGAC	TCGCTTATTT	GGATTCA TCA	AAGGACCTTT	AGGGCTTACT
IOL207	ATCCCAAGAC	TCGCTTATTT	GGATTCA TCA	AAGGACCTTT	AGGGCTTACT
A03	ATCCCAAGAC	TCGCTTATTT	GGATTCA TCA	AAGGACCTTT	AGGGCTTACT
WA97001	ATCCCAAGAC	TCGCTTATTT	GGATTCA TCA	AAGGACCTTT	AGGGCTTACT
SH511	ATCCCAAGAC	TCGCTTATTT	GGATTCA TCA	AAGGACCTTT	AGGGCTTACT
1979	ATCCCAAGAC	TCGCTTATTT	GGATTCA TCA	AAGGACCTTT	AGGGCTTACT

	210	220	230	240	250
Identity					
B26	CGTGGGCTCT	ATAAAGATCT	GGATA TCTCC	GTAATCTATG	ATTATTACAA
B37	CGTGGGCTCT	ATAAAGATCT	GGATA TCTCC	GTAATCTATG	ATTATTACAA
EBB	CGTGGGCTCT	ATAAAGATCT	GGATA TCTCC	GTAATCTATG	ATTATTACAA
LPCoLN	CGTGGGCTCT	ATAAAGATCT	GGATA TCTCC	GTAATCTATG	ATTATTACAA
Pot37	CGTGGGCTCT	ATAAAGATCT	GGATA TCTCC	GTAATCTATG	ATTATTACAA
GBF	CGTGGGCTCT	ATAAAGATCT	GGATA TCTCC	GTAATCTATG	ATTATTACAA
DE177	CGTGGGCTCT	ATAAAGATCT	GGATA TCTCC	GTAATCTATG	ATTATTACAA
N16	CGTGGGCTCT	ATAAAGATCT	GGATA TCTCC	GTAATCTATG	ATTATTACAA
AR39	CGTGGGCTCT	ATAAAGATCT	GGATA TCTCC	GTAATCTATG	ATTATTACAA
CWL029	CGTGGGCTCT	ATAAAGATCT	GGATA TCTCC	GTAATCTATG	ATTATTACAA
J138	CGTGGGCTCT	ATAAAGATCT	GGATA TCTCC	GTAATCTATG	ATTATTACAA
TW183	CGTGGGCTCT	ATAAAGATCT	GGATA TCTCC	GTAATCTATG	ATTATTACAA
IOL207	CGTGGGCTCT	ATAAAGATCT	GGATA TCTCC	GTAATCTATG	ATTATTACAA
A03	CGTGGGCTCT	ATAAAGATCT	GGATA TCTCC	GTAATCTATG	ATTATTACAA
WA97001	CGTGGGCTCT	ATAAAGATCT	GGATA TCTCC	GTAATCTATG	ATTATTACAA
SH511	CGTGGGCTCT	ATAAAGATCT	GGATA TCTCC	GTAATCTATG	ATTATTACAA
1979	CGTGGGCTCT	ATAAAGATCT	GGATA TCTCC	GTAATCTATG	ATTATTACAA

	260	263
Identity		
B26	CATGGGAGGG	TTC
B37	CATGGGAGGG	TTC
EBB	CATGGGAGGG	TTC
LPCoLN	CATGGGAGGG	TTC
Pot37	CATGGGAGGG	TTC
GBF	CATGGGAGGG	TTC
DE177	CATGGGAGGG	TTC
N16	CATGGGAGGG	TTC
AR39	CATGGGAGGG	TTC
CWL029	CATGGGAGGG	TTC
J138	CATGGGAGGG	TTC
TW183	CATGGGAGGG	TTC
IOL207	CATGGGAGGG	TTC
A03	CATGGGAGGG	TTC
WA97001	CATGGGAGGG	TTC
SH511	CATGGGAGGG	TTC
1979	CATGGGAGGG	TTC

