

Identity	1	10	20	30	40	50
B10	TAG TGG CGGA	AGGG TTAG TA	A T A C A T A - GA	TAA TCTG CCC	TCA A CTTGGG	
B26	TAG TGG CGGA	AGGG TTAG TA	A T A C A T A - GA	TAA TCTG CCC	TCA A CTTGGG	
B37	TAG TGG CGGA	AGGG TTAG TA	A T A C A T A - GA	TAA TCTG CCC	TCA A CTTGGG	
WBB	TAG TGG CGGA	AGGG TTAG TA	A T A C A T A - GA	TAA TCTG CCC	TCA A CTTGGG	
EBB	TAG TGG CGGA	AGGG TTAG TA	A T A C A T A - GA	TAA TCTG CCC	TCA A CTTGGG	
LPCoLN	TAG TGG CGGA	AGGG TTAG TA	A T A C A T A - GA	TAA TCTG CCC	TCA A CTTGGG	
Pot37	TAG TGG CGGA	AGGG TTAG TA	A T A C A T A - GA	TAA TCTG CCC	TCA A CTTGGG	
GBF	TAG TGG CGGA	AGGG TTAG TA	A T A C A T A - GA	TAA TCTG CCC	TCA A CTTGGG	
2040.3	TAG TGG CGGA	AGGG TTAG TA	A T A C A T A - GA	TAA TCTG CCC	TCA A CTTGGG	
CPXT1	TAG TGG CGGA	AGGG TTAG TA	A T A C A T A - GA	TAA TCTG CCC	TCA A CTTGGG	
DE177	TAG TGG CGGA	AGGG TTAG TA	A T A C A T A - GA	TAA TCTG CCC	TCA A CTTGGG	
BMTF-type1	TAG TGG CGGA	AGGG TTAG TA	<b>G</b> T A C A T A <b>A</b> GA	TAA TCTG CCC	TCA A CTTGGG	
BMTF-type2	TAG TGG CGGA	AGGG TTAG TA	<b>G</b> T A C A T A - GA	TAA TCTG CCC	TCA A CTTGGG	
Iguana	TAG TGG CGGA	AGGG TTAG TA	<b>G</b> T A C A T A - GA	TAA TCTG CCC	TCA A CTTGGG	
Puffadd	TAG TGG CGGA	AGGG TTAG TA	<b>G</b> T A C A T A <b>A</b> GA	TAA TCTG CCC	TCA A CTTGGG	
N16	TAG TGG CGGA	AGGG TTAG TA	A T A C A T A - GA	TAA TCTG CCC	TCA A CTTGGG	
AR39	TAG TGG CGGA	AGGG TTAG TA	<b>G</b> T A C A T A - GA	TAA TCTG CCC	TCA A CTTGGG	
CWL029	TAG TGG CGGA	AGGG TTAG TA	<b>G</b> T A C A T A - GA	TAA TCTG CCC	TCA A CTTGGG	
J138	TAG TGG CGGA	AGGG TTAG TA	<b>G</b> T A C A T A - GA	TAA TCTG CCC	TCA A CTTGGG	
TW183	TAG TGG CGGA	AGGG TTAG TA	<b>G</b> T A C A T A - GA	TAA TCTG CCC	TCA A CTTGGG	
IOL207	TAG TGG CGGA	AGGG TTAG TA	<b>G</b> T A C A T A GA	TAA TCTG CCC	TCA A CTTGGG	
LKK1	TAG TGG CGGA	AGGG TTAG TA	<b>G</b> T A C A T A - GA	TAA TCTG CCC	TCA A CTTGGG	
TOR1	TAG TGG CGGA	AGGG TTAG TA	<b>G</b> T A C A T A - GA	TAA TCTG CCC	TCA A CTTGGG	
WA97001	TAG TGG CGGA	AGGG TTAG TA	<b>G</b> T A C A T A - GA	TAA TCTG CCC	TCA A CTTGGG	
1979	TAG TGG CGGA	AGGG TTAG TA	A T A C A T A - GA	TAA TCTG CCC	TCA A CTTGGG	
SH511	TAG TGG CGGA	AGGG TTAG TA	A T A C A T A - GA	TAA TCTG CCC	TCA A CTTGGG	

Identity	60	70	80	90	100
B10	AA TAA CGG TT	GGAAA CGA TC	G C T A A T A C C G	AA T - - G T A G T	G T A A T T A G G C
B26	AA TAA CGG TT	GGAAA CGA TC	G C T A A T A C C G	AA T - - G T A G T	G T A A T T A G G C
B37	AA TAA CGG TT	GGAAA CGA TC	G C T A A T A C C G	AA T - - G T A G T	G T A A T T A G G C
WBB	AA TAA CGG TT	GGAAA CGA TC	G C T A A T A C C G	AA T - - G T A G T	G T A A T T A G G C
EBB	AA TAA CGG TT	GGAAA CGA TC	G C T A A T A C C G	AA T - - G T A G T	G T A A T T A G G C
LPCoLN	AA TAA CGG TT	GGAAA CGA TC	G C T A A T A C C G	AA T - - G T A G T	G T A A T T A G G C
Pot37	AA TAA CGG TT	GGAAA CGA TC	G C T A A T A C C G	AA T - - G T A G T	G T A A T T A G G C
GBF	AA TAA CGG TT	GGAAA CGA TC	G C T A A T A C C G	AA T - - G T A G T	G T A A T T A G G C
2040.3	AA TAA CGG TT	GGAAA CGA TC	G C T A A T A C C G	AA T - - G T A G T	G T A A T T A G G C
CPXT1	AA TAA CGG TT	GGAAA CGA TC	G C T A A T A C C G	AA T - - G T A G T	G T A A T T A G G C
DE177	AA TAA CGG TT	GGAAA CGA TC	G C T A A T A C C G	AA T <b>TT</b> G T A G T	G T A A T T A G G C
BMTF-type1	<b>G</b> A T A A C G G T T	GGAAA CGA TC	G C T A A T A C C G	AA T - - G T A G T	G T A A T T A G G C
BMTF-type2	<b>G</b> A T A A C G G T T	GGAAA CGA TC	G C T A A T A C C G	AA T - - G T A G T	G T A A T T A G G C
Iguana	<b>G</b> A T A A C G G T T	GGAAA CGA TC	G C T A A T A C C G	AA T - - G T A G T	G T A A T T A G G C
Puffadd	<b>G</b> A T A A C G G T T	GGAAA CGA TC	G C T A A T A C C G	AA T - - G T A G T	G T A A T T A G G C
N16	AA TAA CGG TT	GGAAA CGA TC	G C T A A T A C C G	AA T - - G T <b>G</b> G T	G T A A T T A G G <b>A</b>
AR39	<b>G</b> A T A A C G G T T	GGAAA CGA TC	G C T A A T A C C G	AA T - - G T A G T	G T A A T T A G G C
CWL029	<b>G</b> A T A A C G G T T	GGAAA CGA TC	G C T A A T A C C G	AA T - - G T A G T	G T A A T T A G G C
J138	<b>G</b> A T A A C G G T T	GGAAA CGA TC	G C T A A T A C C G	AA T - - G T A G T	G T A A T T A G G C
TW183	<b>G</b> A T A A C G G T T	GGAAA CGA TC	G C T A A T A C C G	AA T - - G T A G T	G T A A T T A G G C
IOL207	<b>G</b> A T A A C G G T T	GGAAA CGA TC	G C T A A T A C C G	AA T - - G T A G T	G T A A T T A G G C
LKK1	<b>G</b> A T A A C G G T T	GGAAA CGA TC	G C T A A T A C C G	AA T - - G T A G T	G T A A T T A G G C
TOR1	<b>G</b> A T A A C G G T T	GGAAA CGA TC	G C T A A T A C C G	AA T - - G T A G T	G T A A T T A G G C
WA97001	<b>G</b> A T A A C G G T T	GGAAA CGA TC	G C T A A T A C C G	AA T - - G T A G T	G T A A T T A G G C
1979	AA TAA CGG TT	GGAAA CGA TC	G C T A A T A C C G	AA T - - G T A G T	G T A A T T A G G C
SH511	AA TAA CGG TT	GGAAA CGA TC	G C T A A T A C C G	AA T - - G T A G T	G T A A T T A G G C

Identity	110	120	130	140	150
B10	ATCTAATAATA	TATTAAGAA	GGGGATCTTC	GGACCTTTTCG	GTTGAGGAAG
B26	ATCTAATAATA	TATTAAGAA	GGGGATCTTC	GGACCTTTTCG	GTTGAGGAAG
B37	ATCTAATAATA	TATTAAGAA	GGGGATCTTC	GGACCTTTTCG	GTTGAGGAAG
WBB	ATCTAATAATA	TATTAAGAA	GGGGATCTTC	GGACCTTTTCG	GTTGAGGAAG
EBB	ATCTAATAATA	TATTAAGAA	GGGGATCTTC	GGACCTTTTCG	GTTGAGGAAG
LPCoLN	ATCTAATAATA	TATTAAGAA	GGGGATCTTC	GGACCTTTTCG	GTTGAGGAAG
Pot37	ATCTAATAATA	TATTAAGAA	GGGGATCTTC	GGACCTTTTCG	GTTGAGGAAG
GBF	ATCTAATAATA	TATTAAGAA	GGGGATCTTC	GGACCTTTTCG	GTTGAGGAAG
2040.3	ATCTAATAATA	TATTAAGAA	GGGGATCTTC	GGACCTTTTCG	GTTGAGGAAG
CPXT1	ATCTAATAATA	TATTAAGAA	GGGGATCTTC	GGACCTTTTCG	GTTGAGGAAG
DE177	ATCTAATAATA	TATTAAGAA	GGGGATCTTC	GGACCTTTTCG	GTTGAGGAAG
BMTF-type1	ATCTAATAATA	TATTAAGAA	GGGGATCTTC	GGACCTTTTCG	GTTGAGGAAG
BMTF-type2	ATCTAATAATA	TATTAAGAA	GGGGATCTTC	GGACCTTTTCG	GTTGAGGAAG
Iguana	ATCTAATAATA	TATTAAGAA	GGGGATCTTC	GGACCTTTTCG	GTTGAGGAAG
Puffadd	ATCTAATAATA	TATTAAGAA	GGGGATCTTC	GGACCTTTTCG	GTTGAGGAAG
N16	ATCTAATAATA	TATTAAGAA	GGGGATCTTC	GGACCTTTTCG	GTTGAGGAAG
AR39	ATCTAATAATA	TATTAAGAA	GGGGATCTTC	GGACCTTTTCG	GTTGAGGAAG
CWL029	ATCTAATAATA	TATTAAGAA	GGGGATCTTC	GGACCTTTTCG	GTTGAGGAAG
J138	ATCTAATAATA	TATTAAGAA	GGGGATCTTC	GGACCTTTTCG	GTTGAGGAAG
TW183	ATCTAATAATA	TATTAAGAA	GGGGATCTTC	GGACCTTTTCG	GTTGAGGAAG
IOL207	ATCTAATAATA	TATTAAGAA	GGGGATCTTC	GGACCTTTTCG	GTTGAGGAAG
LKK1	ATCTAATAATA	TATTAAGAA	GGGGATCTTC	GGACCTTTTCG	GTTGAGGAAG
TOR1	ATCTAATAATA	TATTAAGAA	GGGGATCTTC	GGACCTTTTCG	GTTGAGGAAG
WA97001	ATCTAATAATA	TATTAAGAA	GGGGATCTTC	GGACCTTTTCG	GTTGAGGAAG
1979	ATCTAATAATA	TATTAAGAA	GGGGATCTTC	GGACCTTTTCG	GTTGAGGAAG
SH511	ATCTAATAATA	TATTAAGAA	GGGGATCTTC	GGACCTTTTCG	GTTGAGGAAG

Identity	160	170	180	190	200
B10	AGTTTATGCG	ATATCAGCTT	GTTGGTGGGG	TAAAAGCCCA	CCAAGGCGAT
B26	AGTTTATGCG	ATATCAGCTT	GTTGGTGGGG	TAAAAGCCCA	CCAAGGCGAT
B37	AGTTTATGCG	ATATCAGCTT	GTTGGTGGGG	TAAAAGCCCA	CCAAGGCGAT
WBB	AGTTTATGCG	ATATCAGCTT	GTTGGTGGGG	TAAAAGCCCA	CCAAGGCGAT
EBB	AGTTTATGCG	ATATCAGCTT	GTTGGTGGGG	TAAAAGCCCA	CCAAGGCGAT
LPCoLN	AGTTTATGCG	ATATCAGCTT	GTTGGTGGGG	TAAAAGCCCA	CCAAGGCGAT
Pot37	AGTTTATGCG	ATATCAGCTT	GTTGGTGGGG	TAAAAGCCCA	CCAAGGCGAT
GBF	AGTTTATGCG	ATATCAGCTT	GTTGGTGGGG	TAAAAGCCCA	CCAAGGCGAT
2040.3	AGTTTATGCG	ATATCAGCTT	GTTGGTGGGG	TAAAAGCCCA	CCAAGGCGAT
CPXT1	AGTTTATGCG	ATATCAGCTT	GTTGGTGGGG	TAAAAGCCCA	CCAAGGCGAT
DE177	AGTTTATGCG	ATATCAGCTT	GTTGGTGGGG	TAAAAGCCCA	CCAAGGCGAT
BMTF-type1	AGTTTATGCG	ATATCAGCTT	GTTGGTGGGG	TAAAAGCCCA	CCAAGGCGAT
BMTF-type2	AGTTTATGCG	ATATCAGCTT	GTTGGTGGGG	TAAAAGCCCA	CCAAGGCGAT
Iguana	AGTTTATGCG	ATATCAGCTT	GTTGGTGGGG	TAAAAGCCCA	CCAAGGCGAT
Puffadd	AGTTTATGCG	ATATCAGCTT	GTTGGTGGGG	TAAAAGCCCA	CCAAGGCGAT
N16	AGTTTATGCG	ATATCAGCTT	GTTGGTGGGG	TAAAAGCCCA	CCAAGGCGAT
AR39	AGTTTATGCG	ATATCAGCTT	GTTGGTGGGG	TAAAAGCCCA	CCAAGGCGAT
CWL029	AGTTTATGCG	ATATCAGCTT	GTTGGTGGGG	TAAAAGCCCA	CCAAGGCGAT
J138	AGTTTATGCG	ATATCAGCTT	GTTGGTGGGG	TAAAAGCCCA	CCAAGGCGAT
TW183	AGTTTATGCG	ATATCAGCTT	GTTGGTGGGG	TAAAAGCCCA	CCAAGGCGAT
IOL207	AGTTTATGCG	ATATCAGCTT	GTTGGTGGGG	TAAAAGCCCA	CCAAGGCGAT
LKK1	AGTTTATGCG	ATATCAGCTT	GTTGGTGGGG	TAAAAGCCCA	CCAAGGCGAT
TOR1	AGTTTATGCG	ATATCAGCTT	GTTGGTGGGG	TAAAAGCCCA	CCAAGGCGAT
WA97001	AGTTTATGCG	ATATCAGCTT	GTTGGTGGGG	TAAAAGCCCA	CCAAGGCGAT
1979	AGTTTATGCG	ATATCAGCTT	GTTGGTGGGG	TAAAAGCCCA	CCAAGGCGAT
SH511	AGTTTATGCG	ATATCAGCTT	GTTGGTGGGG	TAAAAGCCCA	CCAAGGCGAT

Identity	210	215
B10	GACGTCTAGG	CGGAT
B26	GACGTCTAGG	CGGAT
B37	GACGTCTAGG	CGGAT
WBB	GACGTCTAGG	CGGAT
EBB	GACGTCTAGG	CGGAT
LPCoLN	GACGTCTAGG	CGGAT
Pot37	GACGTCTAGG	CGGAT
GBF	GACGTCTAGG	CGGAT
2040.3	GACGTCTAGG	CGGAT
CPXT1	GACGTCTAGG	CGGAT
DE177	GACGTCTAGG	CGGAT
BMTF-type1	GACGTCTAGG	CGGAT
BMTF-type2	GACGTCTAGG	CGGAT
Iguana	GACGTCTAGG	CGGAT
Puffadd	GACGTCTAGG	CGGAT
N16	GACGTCTAGG	CGGAT
AR39	GACGTCTAGG	CGGAT
CWL029	GACGTCTAGG	CGGAT
J138	GACGTCTAGG	CGGAT
TW183	GACGTCTAGG	CGGAT
IOL207	GACGTCTAGG	CGGAT
LKK1	GACGTCTAGG	CGGAT
TOR1	GACGTCTAGG	CGGAT
WA97001	GACGTCTAGG	CGGAT
1979	GACGTCTAGG	CGGAT
SH511	GACGTCTAGG	CGGAT