

| Identity | 110 | 120 | 130 | 140 | 150 |
|------------|------------|---------------------|------------|------------|------------|
| B26 | GCCATACATT | GGAGTACAAT | GGTCTCGAGC | AACTTTTGAT | GCTGATAACA |
| B37 | GCCATACATT | GGAGTACAAT | GGTCTCGAGC | AACTTTTGAT | GCTGATAACA |
| WBB | GCCATACATT | GGAGTACAAT | GGTCTCGAGC | AACTTTTGAT | GCTGATAACA |
| EBB | GCCATACATT | GGAGTACAAT | GGTCTCGAGC | AACTTTTGAT | GCTGATAACA |
| LPCoLN | GCCATACATT | GGAGTACAAT | GGTCTCGAGC | AACTTTTGAT | GCTGATAACA |
| Pot37 | GCCATACATT | GGAGTACAAT | GGTCTCGAGC | AACTTTTGAT | GCTGATAACA |
| CPXT1 | GCCATACATT | GGAGTACAAT | GGTCTCGAGC | AACTTTTGAT | GCTGATAACA |
| DE177 | GCCATACATT | GGAGTACAAT | GGTCTCGAGC | AACTTTTGAT | GCTGATAACA |
| GBF | GCCATACATT | GGAGTACAAT | GGTCTCGAGC | AACTTTTGAT | GCTGATAACA |
| BMTF-type1 | GCCATACATT | GGAGTACAAT | GGTCTCGAGC | AACTTTTGAT | GCTGATAACA |
| Burpyth | GCCATACATT | GGAGTACAAT | GGTCTCGAGC | AACTTTTGAT | GCTGATAACA |
| PuffAdd | GCCATACATT | GGAGTACAAT | GGTCTCGAGC | AACTTTTGAT | GCTGATAACA |
| cham | GCCATACATT | GGAGTACAAT | GGTCTCGAGC | AACTTTTGAT | GCTGATAACA |
| Iguana | GCCATACATT | GGAGTACAAT | GGTCTCGAGC | AACTTTTGAT | GCTGATAACA |
| GST | GCCATACATT | GGAGTACAAT | GGTCTCGAGC | AACTTTTGAT | GCTGATAACA |
| N16 | GCCATACATT | GGAGT C CAAT | GGTCTCGAGC | AACTTTTGAT | GCTGATAACA |
| AR39 | GCCATACATT | GGAGTACAAT | GGTCTCGAGC | AACTTTTGAT | GCTGATAACA |
| CWL029 | GCCATACATT | GGAGTACAAT | GGTCTCGAGC | AACTTTTGAT | GCTGATAACA |
| J138 | GCCATACATT | GGAGTACAAT | GGTCTCGAGC | AACTTTTGAT | GCTGATAACA |
| TW183 | GCCATACATT | GGAGTACAAT | GGTCTCGAGC | AACTTTTGAT | GCTGATAACA |
| IOL207 | GCCATACATT | GGAGTACAAT | GGTCTCGAGC | AACTTTTGAT | GCTGATAACA |
| LKK1 | GCCATACATT | GGAGTACAAT | GGTCTCGAGC | AACTTTTGAT | GCTGATAACA |
| TOR1 | GCCATACATT | GGAGTACAAT | GGTCTCGAGC | AACTTTTGAT | GCTGATAACA |
| WA97001 | GCCATACATT | GGAGTACAAT | GGTCTCGAGC | AACTTTTGAT | GCTGATAACA |
| 1979 | GCCATACATT | GGAGTACAAT | GGTCTCGAGC | AACTTTTGAT | GCTGATAACA |
| SH511 | GCCATACATT | GGAGTACAAT | GGTCTCGAGC | AACTTTTGAT | GCTGATAACA |

| Identity | 160 | 170 | 180 | 190 | 200 |
|------------|-------------|--------------------|------------|---------------------|------------|
| B26 | TCCGCA TTGC | TCAGCCAAAA | CTACCTACAG | CTGTTTTAAA | CTTAACTGCA |
| B37 | TCCGCA TTGC | TCAGCCAAAA | CTACCTACAG | CTGTTTTAAA | CTTAACTGCA |
| WBB | TCCGCA TTGC | TCAGCCAAAA | CTACCTACAG | CTGTTTTAAA | CTTAACTGCA |
| EBB | TCCGCA TTGC | TCAGCCAAAA | CTACCTACAG | CTGTTTTAAA | CTTAACTGCA |
| LPCoLN | TCCGCA TTGC | TCAGCCAAAA | CTACCTACAG | CTGTTTTAAA | CTTAACTGCA |
| Pot37 | TCCGCA TTGC | TCAGCCAAAA | CTACCTACAG | CTGTTTTAAA | CTTAACTGCA |
| CPXT1 | TCCGCA TTGC | TCAGCCAAAA | CTACCTACAG | CTGTTTTAAA | CTTAACTGCA |
| DE177 | TCCGCA TTGC | TCAGCCAAAA | CTACCTACAG | CTGTTTTAAA | CTTAACTGCA |
| GBF | TCCGCA TTGC | TCAGCCAAAA | CTACCTACAG | CTGTTTTAAA | CTTAACTGCA |
| BMTF-type1 | TCCGCA TTGC | TCAGCCAAAA | CTACCTACAG | CTGTTTTAAA | CTTAACTGCA |
| Burpyth | TCCGCA TTGC | TCAGCCAAAA | CTACCTACAG | CTGTTTTAAA | CTTAACTGCA |
| PuffAdd | TCCGCA TTGC | TCAGCCAAAA | CTACCTACAG | CTGTTTTAAA | CTTAACTGCA |
| cham | TCCGCA TTGC | TCAGCCAAAA | CTACCTACAG | T TGTTTTAAA | CTTAACTGCA |
| Iguana | TCCGCA TTGC | TCAGCCAAAA | CTACCTACAG | CTGTTTTAAA | CTTAACTGCA |
| GST | TCCGCA TTGC | TCAGCCAAAA | CTACCTACAG | CTGTTTTAAA | CTTAACTGCA |
| N16 | TCCGCA TTGC | TCAGCCAAA G | CTACCTACAG | CT A TTTTAAA | CTTAACTGCA |
| AR39 | TCCGCA TTGC | TCAGCCAAAA | CTACCTACAG | CTGTTTTAAA | CTTAACTGCA |
| CWL029 | TCCGCA TTGC | TCAGCCAAAA | CTACCTACAG | CTGTTTTAAA | CTTAACTGCA |
| J138 | TCCGCA TTGC | TCAGCCAAAA | CTACCTACAG | CTGTTTTAAA | CTTAACTGCA |
| TW183 | TCCGCA TTGC | TCAGCCAAAA | CTACCTACAG | CTGTTTTAAA | CTTAACTGCA |
| IOL207 | TCCGCA TTGC | TCAGCCAAAA | CTACCTACAG | CTGTTTTAAA | CTTAACTGCA |
| LKK1 | TCCGCA TTGC | TCAGCCAAAA | CTACCTACAG | CTGTTTTAAA | CTTAACTGCA |
| TOR1 | TCCGCA TTGC | TCAGCCAAAA | CTACCTACAG | CTGTTTTAAA | CTTAACTGCA |
| WA97001 | TCCGCA TTGC | TCAGCCAAAA | CTACCTACAG | CTGTTTTAAA | CTTAACTGCA |
| 1979 | TCCGCA TTGC | TCAGCCAAAA | CTACCTACAG | CTGTTTTAAA | CTTAACTGCA |
| SH511 | TCCGCA TTGC | TCAGCCAAAA | CTACCTACAG | CTGTTTTAAA | CTTAACTGCA |

| Identity | 210 | 220 | 230 | 240 |
|------------|------------|------------|------------|-------------|
| B26 | TGGAAACCTT | CTTTACTAGG | AAATACGACA | ACATTGCCTA |
| B37 | TGGAAACCTT | CTTTACTAGG | AAATACGACA | ACATTGCCTA |
| WBB | TGGAAACCTT | CTTTACTAGG | AAATACGACA | ACATTGCCTA |
| EBB | TGGAAACCTT | CTTTACTAGG | AAATACGACA | ACATTGCCTA |
| LPCoLN | TGGAAACCTT | CTTTACTAGG | AAATACGACA | ACATTGCCTA |
| Pot37 | TGGAAACCTT | CTTTACTAGG | AAATACGACA | ACATTGCCTA |
| CPXT1 | TGGAAACCTT | CTTTACTAGG | AAATGCCACA | ACATTGTCTA |
| DE177 | TGGAAACCTT | CTTTACTAGG | AAATGCCACA | ACATTGCCTA |
| GBF | TGGAAACCTT | CTTTACTAGG | AAATACGACA | ACATTGCCTA |
| BMTF-type1 | TGGAAACCTT | CTTTACTAGG | AAATGCCACA | GCAATTGTCTA |
| Burpyth | TGGAAACCTT | CTTTACTAGG | AAATGCCACA | GCAATTGTCTA |
| PuffAdd | TGGAAACCTT | CTTTACTAGG | AAATGCCACA | GCAATTGTCTA |
| cham | TGGAAACCTT | CTTTACTAGG | AAATGCCACA | GCAATTGTCTA |
| Iguana | TGGAAACCTT | CTTTACTAGG | AAATGCCACA | GCAATTGTCTA |
| GST | TGGAAACCTT | CTTTACTAGG | AAATGCCACA | GCAATTGTCTA |
| N16 | TGGAAACCTT | CTTTACTAGG | GAGTGCCACA | GCTGTCTCT |
| AR39 | TGGAAACCTT | CTTTACTAGG | AAATGCCACA | GCAATTGTCTA |
| CWL029 | TGGAAACCTT | CTTTACTAGG | AAATGCCACA | GCAATTGTCTA |
| J138 | TGGAAACCTT | CTTTACTAGG | AAATGCCACA | GCAATTGTCTA |
| TW183 | TGGAAACCTT | CTTTACTAGG | AAATGCCACA | GCAATTGTCTA |
| IOL207 | TGGAAACCTT | CTTTACTAGG | AAATGCCACA | GCAATTGTCTA |
| LKK1 | TGGAAACCTT | CTTTACTAGG | AAATGCCACA | GCAATTGTCTA |
| TOR1 | TGGAAACCTT | CTTTACTAGG | AAATGCCACA | GCAATTGTCTA |
| WA97001 | TGGAAACCTT | CTTTACTAGG | AAATGCCACA | GCAATTGTCTA |
| 1979 | TGGAAACCTT | CTTTACTAGG | AAATGCCACA | GCAATTGTCTA |
| SH511 | TGGAAACCTT | CTTTACTAGG | AAATGCCACA | GCAATTGTCTA |

| Identity | 258 |
|------------|----------|
| B26 | GTTCTCAG |
| B37 | GTTCTCAG |
| WBB | GTTCTCAG |
| EBB | GTTCTCAG |
| LPCoLN | GTTCTCAG |
| Pot37 | GTTCTCAG |
| CPXT1 | GTTCTCAG |
| DE177 | GTTCTCAG |
| GBF | GTTCTCAG |
| BMTF-type1 | GTTCTCAG |
| Burpyth | GTTCTCAG |
| PuffAdd | GTTCTCAG |
| cham | GTTCTCAG |
| Iguana | GTTCTCAG |
| GST | GTTCTCAG |
| N16 | ATTCTCAG |
| AR39 | GTTCTCAG |
| CWL029 | GTTCTCAG |
| J138 | GTTCTCAG |
| TW183 | GTTCTCAG |
| IOL207 | GTTCTCAG |
| LKK1 | GTTCTCAG |
| TOR1 | GTTCTCAG |
| WA97001 | GTTCTCAG |
| 1979 | GTTCTCAG |
| SH511 | GTTCTCAG |

