**Supplementary Table 2.** Primers used for subcloning and mutagenesis of LbAly28-cDNA

|  |  |
| --- | --- |
| Primersa | Sequencesb |
| ExFw | 5′-TCCCTAC**CATATG**GCTGGCTC-3′ |
| ExRv | 5′-GACAGAAGAGCA**GGATCC**GC-3′ |
| K94A-F | 5′-TTGACTTTGTG**GCG**GGCGGTAAACTGC-3′ |
| K97A-F | 5′-TGAAGGGCGGT**GCA**CTGCCTGGTCTG-3′ |
| T121A-F | 5′-ACACCTGCTTC**GCC**ACCAGGTTCATG-3′ |
| R123A-F | 5′-TGCTTCACCACC**GCG**TTCATGTGGAG-3′ |
| Y135A-F | 5′-AGGGCGAGGTG**GCC**GCTTACATTCCC-3′ |
| Y137A-F | 5′-AGGTGTACGCT**GCC**ATTCCCAAAACC-3′ |
| K188A-F | 5′-ACACACCGGGC**GCA**ACAGATGGTTAC-3′ |

a ExFw and ExRv, forward and reverse primers including *Nde*I and *Bam*HI restriction sites (bold) used for amplification of LbAly28 expression cDNA; K94A-F, forward primer used for mutagenesis of Lys94 to Ala, for example.

b ­Mutation sites are indicated with bold letters.­