

TABLE 1

Primers used for β c K16R and Δ Box1 mutagenesis

5'- β c-K1,2R- aa 457,461	GGGTACAGGCTGCGCAGAAGGTGGGAGGAGAGGATCCCCAACCCCAGC
5'- β c-K3R- aa 467	ATCCCCAACCCCAGCAGGAGCCACCTGTTCCAGAAC
5'- β c-K4R- aa 527	CTCACCATAGAGGACCCCAGGCATGTCTGTGATCCA
5'- β c-K5R- aa 566	GCCTCCACACACCTGAGAGACAGGCTTCCAGCTTT
5'- β c-K6R- aa 603	CAGGAGGGTGGGAGCCAGAGGTCCCCACCTCCAGGG
5'- β c-K7R- aa 673	GTGGGAGGACAGGACCAAAGGGACAGCCCTGTGGCT
5'- β c-K8R- aa 744	GGAGCCCCAGGCCCTGTGAGGTCAGGGTTTGAGGGC
5'- β c-K9R- aa 774	CCTGTCCCCCTGAGGCCAGAAGCCCTGTCCTGAAC
5'- β c-K10R- aa 822	CCTCTCTCGCTCCGGAGTAGACCTTCTTCCCCGGGA
5'- β c-K11R- aa 833	GGACCCGGTCCTGAGATCAGGAACCTAGACCAGGCT
5'- β c-K12,13R- aa 842,843	GACCAGGCTTTTCAAGTCAGGAGGCCCCCAAGCCAGGCT
5'- β c-K14,15R- aa 859,862	CCCGTCATTAGCTCTTCAGAGCCCTGAGGCCAGCAGGACTACCTG
5'- β c-K16R- aa 876	CCCCCTTGGGAGGTCAACAGGCCTGGGGAGGTGTGT
5'- β c Δ Box1	gAC ATC CTg ggC Cag CCg gAg ggT ggg AgC Cag AAg TCC CCA
3'- β c Δ Box1	ATA ACC AgA ggC CAC TCC Agg CAT ggg TAT AgC CAC Agg gCT