

Supplementary Figure. Alignment of *L. major* Gp63 Sequence Cloned in pcDNA3 and pNUT Vectors. In sequence 1, *Gp63* was cloned in pcDNA3 vector, and in sequence 2, *Gp63* was cloned in pNUT vector.

sequence1	TCACCCGATCCATGTGCCGAGGCTTCTCTTTCAGGCACTTGCTGCCGCTGCTGCTCCTGC
sequence2	TCACCCGATCCATGTGCCGAGGCTTCTCTTTCAGGCACTTGCTGCCGCTGCTGCTCCTGC
sequence1	AGCTGTCAAGACTCCTAGTTGTCACCCAAGGACACGCCGGTGCCTGCAGCACCGCTGCG
sequence2	AGCTGTCAAGACTCCTAGTTGTCACCCAAGGACACGCCGGTGCCTGCAGCACCGCTGCG
sequence1	TCCACGACGCGATGCAGGCACGCGTGCGGCAGTCGGTGGCGGACCACCACAAGGCCCCCG
sequence2	TCCACGACGCGATGCAGGCACGCGTGCGGCAGTCGGTGGCGGACCACCACAAGGCCCCCG
sequence1	GCGCGGTGTCCGCGGTGGGTCTGCCGTACGTTACTCTCGACGCCGCGCACACCGCGGCCG
sequence2	GCGCGGTGTCCGCGGTGGGTCTGCCGTACGTTACTCTCGACGCCGCGCACACCGCGGCCG
sequence1	CCGCCGATCCCAGGCCGGGCAGCGCGCGCAGCGTCGTGCGCGACGTGAACTGGGGCGCGC
sequence2	CCGCCGATCCCAGGCCGGGCAGCGCGCGCAGCGTCGTGCGCGACGTGAACTGGGGCGCGC
sequence1	TGCGCATCGCCGTCTCCACCGAGGACCTACCGACCCCGCTACCACTGCGCTCGCGTCG
sequence2	TGCGCATCGCCGTCTCCACCGAGGACCTACCGACCCCGCTACCACTGCGCTCGCGTCG
sequence1	GGCAGCATGTCAAAGACCACGCCGGCGCCATCGTCACCTGCACCGCCGAGGACATCCTCA
sequence2	GGCAGCATGTCAAAGACCACGCCGGCGCCATCGTCACCTGCACCGCCGAGGACATCCTCA
sequence1	CCAACGAGAAGCGCGACATCCTGGTCAAGCACCTCATCCCGCAGGCGGTGCAGCTGCACA
sequence2	CCAACGAGAAGCGCGACATCCTGGTCAAGCACCTCATCCCGCAGGCGGTGCAGCTGCACA
sequence1	CGGAGCGGCTGAAGGTGCAGCAGGTGCAGGGCAAGTGAAGGTGACGGACATGGTCGGCG
sequence2	CGGAGCGGCTGAAGGTGCAGCAGGTGCAGGGCAAGTGAAGGTGACGGACATGGTCGGCG

sequence1	ATATCTGTGGCGACTTCAAGGTGCCGCAGGCGCACATCACCGAGGGCTTCAGCAACACCG
sequence2	ATATCTGTGGCGACTTCAAGGTGCCGCAGGCGCACATCACCGAGGGCTTCAGCAACACCG
sequence1	ACTTCGTGATGTACGTGCGCCTCCGTGCCGAGTGAGGAGGGTGTGCTGGCGTGGGCCACGA
sequence2	ACTTCGTGATGTACGTGCGCCTCCGTGCCGAGTGAGGAGGGTGTGCTGGCGTGGGCCACGA
sequence1	CCTGCCAGACGTTCTCTGACGGCCATCCAGCCGTGGGCGTCATCAACATCCCCGCGGCGA
sequence2	CCTGCCAGACGTTCTCTGACGGCCATCCAGCCGTGGGCGTCATCAACATCCCCGCGGCGA
sequence1	ACATTGCGTCGCGGTACGACCAGCTCGTCACGCGTGTGTCACGCACGACATGGCGCACG
sequence2	ACATTGCGTCGCGGTACGACCAGCTCGTCACGCGTGTGTCACGCACGACATGGCGCACG
sequence1	CGCTCGGGTTCAGCGGCCATTCTTCGAGGACGCCCGCATCGTGGCGAACGTTCCGAACG
sequence2	CGCTCGGGTTCAGCGGCCATTCTTCGAGGACGCCCGCATCGTGGCGAACGTTCCGAACG
sequence1	TTCGAGGCAAGAACTTCGATGTTCCCGTGATCAACAGCAGCACGGCAGTGGCGAAGGCGC
sequence2	TTCGAGGCAAGAACTTCGATGTTCCCGTGATCAACAGCAGCACGGCAGTGGCGAAGGCGC
sequence1	GCGAGCAGTACGGCTGCGACACCTTGAGTATCTGGAGGTGGAGGACCAGGGCGGTGCGG
sequence2	GCGAGCAGTACGGCTGCGACACCTTGAGTATCTGGAGGTGGAGGACCAGGGCGGTGCGG
sequence1	GCTCCGCCGGGTGCGACATCAAGATGCGCAACGCGCAGGACGAGCTCATGGCGCCTGCTG
sequence2	GCTCCGCCGGGTGCGACATCAAGATGCGCAACGCGCAGGACGAGCTCATGGCGCCTGCTG
sequence1	CAGTGCCGGGTACTACACCGCCCTGACCATGGCCATCTTCCAGGACCTCGGCTTCTACC
sequence2	CAGTGCCGGGTACTACACCGCCCTGACCATGGCCATCTTCCAGGACCTCGGCTTCTACC
sequence1	AGGCGGACTTCAGCAAGGCCGAGGTGATGCCGTGGGGCCAGAACGCCGGCTGCGCCTTCC
sequence2	AGGCGGACTTCAGCAAGGCCGAGGTGATGCCGTGGGGCCAGAACGCCGGCTGCGCCTTCC
sequence1	TCACCAACAAGTGCATGGAGCAGAGCGTCACGCAGTGGCCGGCGATGTTCTGCAATGAGA

sequence2	TCACCAACAAGTGCATGGAGCAGAGCGTCACGCAGTGGCCGGCGATGTTCTGCAATGAGA
sequence1	GCGAGGACGCCATCCGCTGCCCCACCAGTCGTCTCAGCCTCGGTGCATGCGGTGTTACCC
sequence2	GCGAGGACGCCATCCGCTGCCCCACCAGTCGTCTCAGCCTCGGTGCATGCGGTGTTACCC
sequence1	GTCACCCGGGCCTTCCGCCGTA CTGGCAGTACTTCACGGACCCGTCCCTCGCCGGCGTCT
sequence2	GTCACCCGGGCCTTCCGCCGTA CTGGCAGTACTTCACGGACCCGTCCCTCGCCGGCGTCT
sequence1	CCGCCTTCATGGACTACTGCCCTGTCGTGGTGCCTACAGTGATGGCAGCTGCACGCAGC
sequence2	CCGCCTTCATGGACTACTGCCCTGTCGTGGTGCCTACAGTGATGGCAGCTGCACGCAGC
sequence1	GTCCTCTGAGGCACATGCTTCGTTGCTGCCCTTCAACGTCTTCTCTGACGCGGCGCGCT
sequence2	GTCCTCTGAGGCACATGCTTCGTTGCTGCCCTTCAACGTCTTCTCTGACGCGGCGCGCT
sequence1	GCATCGATGGTGCCTTCAGACCGAAGGCAACTGACGGCATAGTCAAGTCGTACGCCGGCC
sequence2	GCATCGATGGTGCCTTCAGACCGAAGGCAACTGACGGCATAGTCAAGTCGTACGCCGGCC
sequence1	TGTGCGCCAACGTGCAGTGTGACACGGCCACACGCACGTACAGCGTGCAGGTGCACGGCA
sequence2	TGTGCGCCAACGTGCAGTGTGACACGGCCACACGCACGTACAGCGTGCAGGTGCACGGCA
sequence1	GTAACGACTACACCAACTGCACGCCGGGCCTCAGAGTTGAGCTGAGCACCGTGAGCAACG
sequence2	GTAACGACTACACCAACTGCACGCCGGGCCTCAGAGTTGAGCTGAGCACCGTGAGCAACG
sequence1	CCTTCGAGGGGGGCGGCTACATCACGTGCCCCGCCGTACGTGGAGGTGTGCCAGGGCAACG
sequence2	CCTTCGAGGGGGGCGGCTACATCACGTGCCCCGCCGTACGTGGAGGTGTGCCAGGGCAACG
sequence1	TGCAGGCTGCCAAGGACGGCGGCAACACGGCGGCTGGTCGTCTGGTCCGCGCGCCGCGG
sequence2	TGCAGGCTGCCAAGGACGGCGGCAACACGGCGGCTGGTCGTCTGGTCCGCGCGCCGCGG
sequence1	CGACGGCGCTGCTGGTGGCCGCGCTGCTGGCCGTGGCGCTCTAGGATCCACTAGTAACGG
sequence2	CGACGGCGCTGCTGGTGGCCGCGCTGCTGGCCGTGGCGCTCTAGGATCCACTAGTAACGG

sequence1 CCGCCAGTGTGCTGGAATTCT

sequence2 CCGCCAGTGTGCTGGAATTCT