FIGURE 1

A: BoNTA(H_C) synthetic gene (Version #1) SEQ ID NO: 1

GAATTCGAAACGatgCGTCTGCTGTCTACCTTCACTGAATACATCAAGAACATCAT
CAATACCTCCATCCTGAACCTGCGCTACGAATCCAATCACCTGATCGACCTGTCT
CGCTACGCTTCCAAAATCAACATCGGTTCTAAAGTTAACTTCGATCCGATCGAC
AAGAATCAGATCCAGCTGTTCAATCTGGAATCTTCCAAAATCGAAGTTATCCTG
AAGAATGCTATCGTATACAACTCTATGTACGAAAACTTCTCCACCTCCTTCTGGA
TCCGTATCCCGAAATACTTCAACTCCATCTCTCTGAACAATGAATACACCATCAT
CAACTGCATGGAAAACAATTCTGGTTGGAAAGTATCTCTGAACTACGGTGAAAT
CATCTGGACTCTGCAGGACACTCAGGAAATCAAACAGCGTGTTGTATTCAAATA
CTCTCAGATGATCAACATCTCTGACTACATCAATCGCTGGATCTTCGTTACCATC
ACCAACAATCGTCTGAATAACTCCAAAATCTACATCAACGGCCGTCTGATCGAC
CAGAAACCGATCTCCAATCTGGGTAACATCCACGCTTCTAATAACATCATGTTC
AAACTGGACGGTTGTCGTGACACTCACCGCTACATCTGGATCAAATACTTCAAT
CTGTTCGACAAAGAACTGAACGAAAAAGAAATCAAAGACCTGTACGACAACCA
GTCCAATTCTGGTATCCTGAAAGACTTCTGGGGTGACTACCTGCAGTACGACAA
ACCGTACTACATGCTGAATCTGTACGATCCGAACAAATACGTTGACGTCAACAA
TGTAGGTATCCGCGGTTACATGTACCTGAAAGGTCCGCGTGGTTCTGTTATGACT
ACCAACATCTACCTGAACTCTTCCCTGTACCGTGGTACCAAATTCATCATCAAGA
AATACGCGTCTGGTAACAAGGACAATATCGTTCGCAACAATGATCGTGTATACA
TCAATGTTGTAGTTAAGAACAAAGAATACCGTCTGGCTACCAATGCTTCTCAGG
CTGGTGTAGAAAAGATCTTGTCTGCTCTGGAAATCCCGGACGTTGGTAATCTGT
CTCAGGTAGTTGTAATGAAATCCAAGAACGACCAGGGTATCACTAACAAATGCA
AAATGAATCTGCAGGACAACAATGGTAACGATATCGGTTTCATCGGTTTCCACC
AGTTCAACAATATCGCTAAACTGGTTGCTTCCAACTGGTACAATCGTCAGATCG
AACGTTCCTCTCGCACTCTGGGTTGCTCTTGGGAGTTCATCCCGGTTGATGACGG
TTGGGGTGAACGTCCGCTGtaaGAATTC

B: BoNTA(H_C) encoded protein (Version #1) SEQ ID NO: 2

MRLLSTFTEYIKNIINTSILNLRYESNHLIDLSRYASKINIGSKVNFDPIDKNQIQLFNL
ESSKIEVILKNAIVYNSMYENFSTSFWIRIPKYFNSISLNNEYTIINCMENNSGWKVSL
NYGEIIWTLQDTQEIKQRVVFKYSQMINISDYINRWIFVTITNNRLNNSKIYINGRLID
QKPISNLGNIHASNNIMFKLDGCRDTHRYIWIKYFNLFDKELNEKEIKDLYDNQSNS
GILKDFWGDYLQYDKPYYMLNLYDPNKYVDVNNVGIRGYMYLKGPRGSVMTTNI
YLNSSLYRGTKFIIKKYASGNKDNIVRNNDRVYINVVVKNKEYRLATNASQAGVEK
ILSALEIPDVGNLSQVVVMKSKNDQGITNKCKMNLQDNNGNDIGFIGFHQFNNIAKL
VASNWYNRQIERSSRTLGCSWEFIPVDDGWGERPL*