**RELAÇÃO DE CLONES ANTI-BOTRÓPICOS**

**KC329709 (Clone 9 - BthTX-I):**

ATGGCCGACGTGCAGCTGCAGGCGTCTGGGGGAGGCTTGGTGCAGGCTGGGGGGTCTCTGAGACTCTCCT

GTGCAGCCTCTGGAAACATCAATACTATCGATGTCATGGGCTGGTACCGCCAGGCTCCAGGGAAGCAGCG

CGAGTTGGTCGCAGACATTACCAGACTTGCTAGCGCAAACTATGCAGACTCCGTGAAGGGCCGATTCACC

ATCTCCAGAGACAACGCCAAGAATACGGTGTATCTGCAAATGAACAACCTGGAACCTAAGGACACCGCCG

TCTATTATTGTGCGCAGTGGATCTTAAGTACTGATCACTCGTACATGCACTACTGGGGCCAGGGGACCCA

GGTCACCGTCACCGTCTCCTCA

**KC329718 (clone 82 - BthTX-I):**

ATGGCCGAGGTGCAGCTGCAGGCGTCTGGGGAGGATTGGTGCAGGCTGGGGGCTCTCTGAGACTCTCCT

GTGCAGCCTCTGGAGGCACCTTCAGTAATCCGTCTATGGGCTGGTTCCGCCAGGCTCCAGGGAAGGAGCG

TGAGTTTGTAGCAGCTGTTAGCTGGAGTGCTGGTAGCACATACTATGCAGACTCCGTGAAGGGCCGATTC

ACCATCTCCAGAGACAACGCCAAGAACACGGTGGATCTGCGAATGACCAGCCTGAAACCTGAGGACACGG

CCGTTTATTATTGTTCTGCCACATACTATAACGGTGAATACTACTTACTGCGGGCAGATAGATATCAACA

CTGGGGCCAGGGGACCCAGGTCACCGTCACCGTCTCCTCA

**KC329717 (Clone 75 - BthTX-I):**

ATGGCCGACGTCCAGCTGCAGGCGTCTGGGGGAGGCTTGGTGCAGGCTGGGGGGTCTCTGAGACTCTCCT

GTGCAGCCTCTGGAAACATCGACACTATCGATGTCATGGGCTGGTACCGCCAGGCTCCAGGGAAGCAGCG

CGAGTTGGTCGCAGACATTACCAGTCAGGGTAGCACAAACTATGCAGACTCCGTGAAGGGCCGATTCACC

ATCTCCAGAGACAACGCCAAGAATACGGTGTATCTGCAAATGAACAATCTGGAACCTGAGGACACCGCCG

TCTATTATTGTGCGCAGTGGATACTAAGTACTGATCACTCGTACAAGCACTACTGGGGCCAGGGGACCCA

GGTCACCGTCACCGTCTCCTCA

**KC329716 (Clone 68 - BthTX-I):**

ATGGCCGAGGTCCAGCTGCAGGCGTCTGGGGGAGGCTTGGTGCAGGCTGGGGGGTCTCTGAGACTCTCCT

GTGCAGCCTCTGGAAACATCGACACTATCGATGTCATGGGCTGGTACCGCCAGGCTCCAGGGAAGCAGCG

CGAGTTGGTCGCAGACATTACCAGTCAGGGTAGCACAAACTATGCAGACTCCGTGAAGGGCCGATTCACC

ATCTCCAGAGACAACGCCAAGAATACGGTGTATCTGCAAATGAACAATCTGGAACCTGAGGACACCGCCG

TCTATTATTGTGCGCAGTGGATACTAAGTACTGATCACTCGTACAAGCACTACTGGGGCCAGGGGACCCA

GGTCACCGTCACCGTCTCCTCA

**KC329715 (Clone 67 - BthTX-I):**

ATGGCCGAGGTGCAGCTGCAGGCGTCTGGAGGAGGCTTGGTGCAGGCTGGGGGGTCTCTGAGACTCTCCT

GTGCAGCCTCTGGAAACATCAATACTATCGATGTCATGGGCTGGTACCGCCAGGCTCCAGGGAAGCAGCG

CGAGTTGGTCGCAGACATTACCAGACTTGCTAGCGCAAACTATGCAGACTCCGTGAAGGGCCGATTCACC

ATCTCCAGAGACAACGCCAAGAATACGGTGTATCTGCAAATGAACAACCTGGAACCTAAGGACACCGCCG

TCTATTATTGTGCGCAGTGGATCTTAAGTACTGATCACTCGTACATGCACTACTGGGGCCAGGGGACCCA

GGTCACCGTCACCGTCTCCTCA

**KC329714 (Clone 66 - BthTX-I):**

ATGGCCGACGTGCAGCTGCAGGCGTCTGGGGAGGATTGGTGCAGGCTGGGGGCTCTCTGAGACTCTCCT

GTGCAGCCTCTGGACCCATATATGAAAGTTATGGAATGGCCTGGTTCCGCCAGGGTCCAGGGCAGGGACG

TGAGTTTGTAGCAGCGATCCACCTAAGTAGTAGTACCACATACTATGGAGACTCCGTGAAGGGCCGATTC

ACCATCTCCAGAGACAACGCCCAGAACATGGTGTATCTGCAAATGAACAGCCTGAAACCTGAGGACACGG

CCATTTATTTCTGTGCAATAGGTAACCTACGAATTGCGGTACCTCCCACTTCAGTCGGGTATGATTACTG

GGGCCAGGGGACCCAGGTCACCGTCACCGTCTCCTCA

**KC329713 (Clone 58 - BthTX-I):**

ATGGCCGAGGTGCAGCTGCAGGCGTCTGGGGAGGATTGGTGCAGGCTGGGGGCTCTCTGAGACTCTCCT

GTGCAGCCTCTGGACGCACCGATAGTACGTATGCCATGGCCTGGTTCCGCCAGGCTCCAGGGAAGGAGCG

TGAGTTTGTTGCAGCTATAACCTATACTGGTGGTACCACACACTATGCAGACTCCGTGAAGGGCCGATTC

ACCATCTCCAGAGACGTCGCCAAGGACATTATGTATCTGCAAATGAACAGCCTGAAACCTGAGGACACGG

CCGTTTATTACTGTGCAGAAAAACGTAGTAGCTGGTACAGGCCATTTGGTGTAGATGAGTTTGGCTCCTG

GGGCCAGGGGACCCAGGTCACCGTCACCGTCTCCTCA

**KC329712 (Clone 48 - BthTX-I):**

ATGGCCGACGTGCAGCTGCAGGCGTCTGGGGGAGGCTTGGTGCAGGCTGGGGGGTCTCTGAGACTCTCCT

GTGCAGCCTCTGGAAACATCAATACTATCGATGTCATGGGCTGGTACCGCCAGGCTCCAGGGAAGCAGCG

CGAGTTGGTCGCAGACATTACCAGACTTGCTAGCGCAAACTATGCAGACTCCGTGAAGGGCCGATTCACC

ATCTCCAGAGACAACGCCAAGAATACGGTGTATCTGCAAATGAACAACCTGGAACCTAAGGACACCGCCG

TCTATTATTGTGCGCAGTGGATCTTAAGTACTGATCACTCGTACATGCACTACTGGGGCCAGGGGACCCA

GGTCACCGTCACCGTCTCCTCA

**KC329711.1 (Clone 32 - BthTX-I):**

ATGGCCGAGGTGCAGCTGCAGGCGTCTGGGGGAGGCTTGGTGCAGGCTGGGGGGTCTCTGGGACTCTCCT

GTGCAGCCTCTGGAAACATCGACACTATCGATGTCATGGGCTGGTACCGCCAGGCTCCAGGGAAGCAGCG

CGAGTTGGTCGCAGACATTACCAGTCAGGGTAGCACAAACTATGCAGACTCCGTGAAGGGCCGATTCACC

ATCTCCAGAGACAACGCCAAGAATACGGTGTATCTGCAAATGAACAATCTGGAACCTGAGGACACCGCCG

TCTATTATTGTGCGCAGTGGATACTAAGTACTGATCACTCGTACAAGCACTACTGGGGCCAGGGGACCCA

GGTCACCGTCACCGTCTCCTCA

**KC329710 (Clone 23 - BthTX-I):**

ATGGCCGACGTGCAGCTGCAGGCGTCTGGGGGAGGCTTGGTGCAGGCTGGGGGGTCTCTGAGACTCTCCT

GTGCAGCCTCTGGAAACATCGACACTATCGATGTCATGGGCTGGTACCGCCAGGCTCCAGGGAGGCAGCG

CGAGTTGGTCGCAGACATTACCAGTCAGGGTAGCACAAACTATGCAGACTCCGTGAAGGGCCGATTCACC

ATCTCCAGAGACAACGCCAAGAATACGGTGTATCTGCAAATGAACAATCTGGAACCTGAGGACACCGCCG

TCTATTATTGTGCGCAGTGGATACTAAGTACTGATCACTCGTACAAGCACTACTGGGGCCAGGGGACCCA

GGTCACCGTCACCGTCTCCTCA

**KF498607 (Clone 20 -** **BthTX-II)**

ATGGCCGAGGTGCAGCTGCAGGCGTCTGGGGGAGGATTGGTGCAGGCTGGGGGCTCTCTGAGACTCTCCT

GTGCAGCCTCTGGACGCACCTTCAGTGACCTGTCTATGGGCTGGTTCCGCCAGGCTCCAGGGAAGGAGCG

TGAGTTTGTAGCAGCTGTTAGCTGGAGTGTAGGTACAACATACTATGCAGACTCCGTGAAGGGCCGATTC

ACCATCTCCAGAGACAACGCCAAGAACACGGTGGATCTCCAAATGATCAGCCTGAAACCTGAGGACACGG

CCGTTTATTACTGTTCAGCCACATACTATACGGGTGAATACTACTTACTACAGGCAGATAGATATCAACA

CTGGGGCCAGGGGACCCAGGTCACCGTCACCGTCTCCTCA

**KF498608 (Clone 30 – BthTX – II)**

ATGGCCGAGGTGCAGCTGCAGGCGTCTGGGGGAGGATTGGTGCAGGCTGGGGGCTCTCTGAGACTCTCCT

GTGCAGCCTCTGGACGCACCTTCAGTGACCTGTCTATGGGCTGGTTCCGCCAGGCTCCAGGGAAGGAGCG

TGAGTTTGTAGCAGCTGTTAGCTGGAGTGTAGGTACAACATACTATGCAGACTCCGTGAAGGGCCGATTC

ACCATCTCCAGAGACAACGCCAAGAACACGGTGGATCTCCAAATGATCAGCCTGAAACCTGAGGACACGG

CCGTTTATTACTGTTCAGCCACATACTATACGGGTGAATACTACTTAGTACAGGCAGATAGATATCAACA

CTGGGGCCAGGTCACCGTCACCGTCTCCTCA

**KF498609 (Clone 28 – BthTX – II)**

ATGGCCGAGGTGCACCTGCAGGCGTCTGGGGGAGGATTGGTGCAGGAAGGGGGCTCTCTGAGACTCTCCT

GTGCAGCCTCTGGACGCACCTTCAGTGACCTGTCTATGGGCTGGTTCCGCCAGGCTCCAGGGAAGGAGCG

TGAGTTTGTAGCAGCTGTTAGCTGGACCCCTGGTACAACATACTATGCAGACTCCGTGAAGGGCCGATTC

ACCATCTCCAGAGACAACGCCAAGAACACGGTGGATCTCCAAATGATCAGCCTGAAACCTGAGGACACGG

CCGTTTATTACTGTACAGCCACATACTATACGGGTGAATACTACTTAGTACAGGCAGATAGATATCAACA

CTGGGGCCAGGGGACCCAGGTCACCGTCACCGTCTCCTCA

**OL960540.1 (Clone 34 anti-metaloprotease):**

ATGGCCGAGGTGCAGCTGCAGGCGTCTGGGGAGGATTAGTGCAGGTTGGGGACTCTCTGAGACTCTCCT

GTACAGTCTCTGGAGGCACCTTCAATAGGTATACCATGGGCTGGTTCCGCCAGGCTCCAGGGAAGGAGCG

TGAATGGGTAGGAGCTATAAACTGGAGTGGTGAGCTCAGAAAGTATGCAGACTCCGTGCAGGGCCGATTC

ACCATCTCCAGAGACAACGCCAAGAACACGGTGTATCTGCAAATGAACAGCCTGAAACCTGAGGACACGG

CCGTTTATACCTGTGCAACAGGGCCGTATGGTGGAAGCCTGGGGGATCAAACAGGATATGAGTATGAATA

CTGGGGCCAGGGGACCCAGGTCACCGTCACCGTCTCCTCA

**OL960541.1 (Clone 47 anti-metaloprotease):**

ATGGCCGAGGTCCAGCTGCAGGCGTCTGGAGGAGGATTGGTGCAGACTGGGGGCTCTCTGAGACTCTCCT

GTACAGCCTCTGGACGCACCTTCAGTAGCTATGTCATAGGTTGGTTCCGCCAGGCTCCAGGGAAGGAGCG

TAGTTTTGTAGCGGCTATTAGAAAGAGTGGTAGTCTCACATACTATACAGACTCCGTGAAGGGCCGGTTC

ACCATTTCCAGAGACAACGCCAAGAACACGGTGTATCTGCAAATGAACAGCCTGAAACCTGAGGACACGG

CCGTTTATTACTGTGCCGCAGACCCGACGACCCGTACGTTTATGTCTGACTATGAGGATGACTATGATTA

TTGGGGCCAGGTCACCGTCACCGTCTCCTCA

**OL960542.1 (Clone 53 anti-metaloprotease):**

ATGGCCGACGTGCAGCTGCAGGCGTCTGGGGAGGATTGGTGCAGGCTGGGGGCTCTCTGACGCTCTCCT

GTGCAGCCTCTGGAGGCACCTTTACAAACTATGCCATGGCCTGGTTCCGCCAGGCTCCAGCAAAGGATCG

TGAATTTGTAGCGGCTGTTAACTGGAGTGGTGGTCGGAAATTGTATGCAGACTCCGTGAAGGGCCGATTC

ACCATCTCCAGAGACGACGCCAAGAATACGGTGTATCTCCAAATGAACAGCCTGAAACCTGAGGACACGG

CCGTTTATTACTGTGCAGTGGGTATAGTAAGCGATTACGTTAGCGACTTTGACTATGACTATTGGGGCCA

GGGGACCCAGGTCACCGTCACCGTCTCCTCA

**OL960543.1 (Clone 61 anti-metaloprotease):**

ATGGCCGAGGTCCAGCTGCAGGCGTCTGGGGAGGATTGGTGCAGGCTGGGGGCTCTCTGAGACTCTCCT

GTGTAGCCTCTGGAGGCACCTTCGATCGGTACGCCATGGGCTGGTTCCGCCAGGCTCCAGGGAAAGAGCG

TGAATTTGTAGCGACTATTAGCTGGAGTAGTTTTCGCATACGTTATTCAGACTCCGTGAAGGGCCGATTC

ACCATCTCCAGAGACAACGCCAAGAACACGGTGTATCTGCAAATGAACAACCTGAAACCTGAGGACACGG

CCGTTTATTACTGTGCAGCAGCATCAACTGGTAGCGACTATCTTCGTGAATATGACTATGACTATTGGGG

CCAGGGGATGCAGGTCACCGTCACCGTCTCCTCA

**OL960544.1 (Clone 64 anti-metaloprotease):**

ATGGCCGAGGTGCAGCTGCAGGCGTCTGGGGAGGATTGGTGCAGGCTGGGGATTCTCTGAGACTCTCCT

GTGCAGGCTCTGGACGCACCGTCAGTACCGCTGCCATGGGCTGGTTCCGGCAGGCTCCAGGCAAGGAGCG

TGATTTTGTAGCGGCAATTAACTGGAGTGGTAGTAACACATACTATGCAGACTCCGTGAAGGGCCGATTC

ACCATCTCCAGAGACAGCGCCAAGAACACGGTGTATCTGCAAATGAACAACCTGAAACCTGAGGACACGG

CCGTTTATTACTGTGTAGCGGATAATATTGTCGGTAGTGGTAGTTACTACAACAGTCGAGAGTATGACTA

CTGGGGCCAGGGGACCCAGGTCACCGTCACCGTCTCCTCA

**OL960545.1 (Clone 78 anti-metaloprotease):**

ATGGCCGAGGTCCAGCTGCAGGCGTCTGGGGAGGATTGGTGCAGCCTGGGGGCTCTCTGAGACTCTCCT

GTGCAGCCTCTGGAGGCCGCTTCAGTAATCACGCCATGGCCTGGTTCCGCCAGGCTCCAGGGAAGGAGCG

TGAGTTTGTAGCAGCTGTTAATTGGAGTGGTGAGAGGAAGTTCTATGCAGACGCCGTGAAGGGCCGATTC

ACCATCTCCAGAGAGGACGCCAAGAACACGTTGTATCTGCAAATGAACAGCCTGAAACCTGAGGACACGG

CCGTTTATTACTGTGCAACGGGAATAGTAAGCGATTACATCAGCGACTTTGACTACACCTACTGGGGCCA

GGGAACCCAGGTCACCGTCACCGTCTCCTCA

**OL960546.1 (Clone 79 anti-metaloprotease):**

ATGGCCGAGGTGCAGCTGCAGGCGTCTGGGGAGGATTGGTGCAGGCTGGGGGCTCTCTGAGACTCTCCT

GTGCGGCCTCCGGACACTCTGTCAATACCTATGCCATAAGTTGGTTCCGCCAGGCTCCAGGGAAGGAGCG

TGAATTTGTAGCAGGTATTAGTTGGAGTGGTAGTAATGCATACTATGGAGACTCCGTGAAGGGCCGATTC

ACCATCTCCAGAGACAATGACAAGAACACGGCGTATCTGCAGATGAACAGCCTGAAACCTGACGACACGG

CCGTTTATTACTGTGCAGCAGATCGGATCTCGGGTTGGGAAAGAGGTAATCCCAGGGACTATGACTACTG

GGGCCAGGGGACCCAGGTCACCGTCACCGTCTCCTCA