

FIGURES

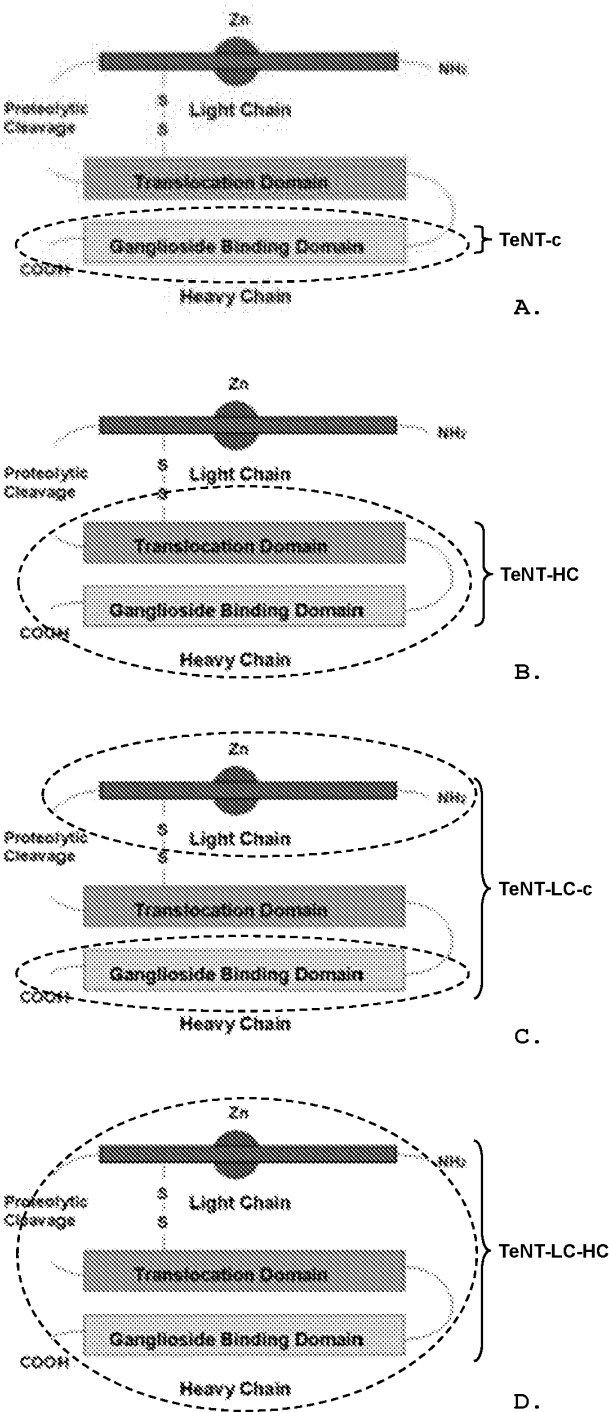


Figure 1.

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 IANKLSQVTS CNDPNIDIDS YKQIYQQKYQ FDKDSNGQYI VNEDKFQILY NSIMYGFTET
 ELGKKFNIKT RLSYFSMNHDPVKIPNLLDD TIYNDTEGFE IESKDLKSEY KGQNMVRNTN
 AFRNVDSGL VSKLIGLCKK IIPPTNIREN LYNRTASLTD LGGELCIKIK NEDLTFIAEK
 NSFSEEPFQD EIVSYNTKNK PLNFNYSLDK IIVDYNLQSK ITLPNDRTTP VTKGIPYAPE
 YKSNAASTIE IHNIDDNTIY QYLYAQKSPT TLQRITMTNS VDDALINSTK IYSYFSPVIS
 KVNQGAQGIL FLQWVRDIID DFTNESSQKT TIDKISDVST IVPYIGPALN IVKQGYEGNF
 IGALETTGVV LLEYIPEIT LPVIAALSIA ESSTQKEKII KTIDNFLEKR YEKWIEVYKL
 VKAKWLGTVN TQFQKRSYQM YRSLEYQVDA IKKIIDYEYK IYSGPDKEQI ADEINNLLKNK
 LEEKANKAMI NINIFMRESS RSFLVNQMIN EAKKQLLEFD TQSKNILMQY IKANSKFIGI
 TELKKLESKI NKVFSTPIPF SYSKNLDCWV DNEEDIDVIL KKSTILNLDI NNDIISDISG
 FNSSVITYPD AQLVPGINGK AIHLVNNESSEVIVHKAMDI EYNDMFNNFT VSFWRVPKV
 SASHLEQYGT NEYSIISMK KHSLSIGSG SVSLKGNLI WTLKDSAGEV RQITFRDLDP
 KFNAYLANKW VFITITNDRL SSANLYINGV LMGSAEITGL GAIREDNIT LKLDRCNNNN
 QYVSDIKFRI FCKALNPKEI EKLYTSYLSI TFLRDFWGNP LRYDTEYYLI PVASSSKDVQ
 LKNITDYMYL TNAPSYTNGK LNIYYRRLYN GLKFIKRYT PNNIDSFVK SGDFIKLYVS
 YNNNEHIVGY PKDGNFNNL DRILRVGYNA PGIPLYKME AVKLRLDKTY SVQLKLYDDK
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Figure 2 SEQ ID NO: 1.

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Figure 3 SEQ ID NO: 2 (continued next page).

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Figure 3 SEQ ID NO: 2.

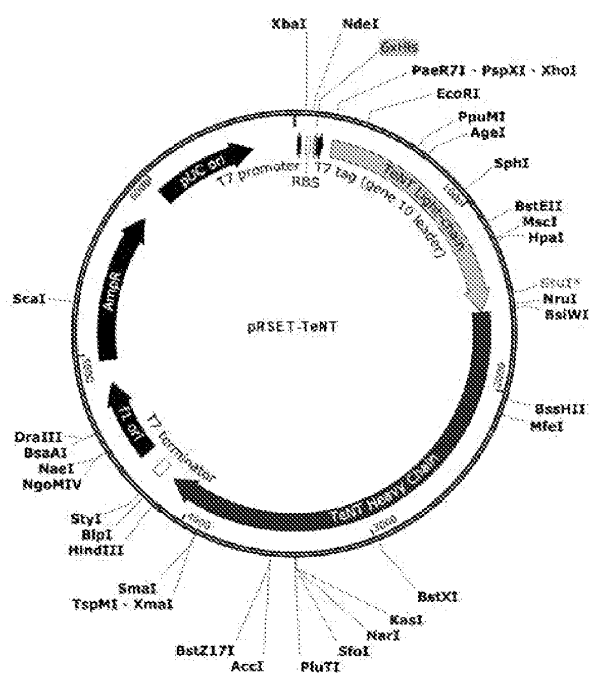


Figure 4.

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 DALINSTKIY SYFPSVISKV NQGAQGILFL QWVRDIIDDF TNESSQKTTI DKISDVSTIV
 PYIGPALNIV KQGYEGNFIG ALETTGVVLL LEYIPEITLP VIAALSIAES STQKEKIIKT
 IDNFLEKRYE KWIEVYKLVK AKWLGTVNTQ FQKRSYQMYR SLEYQVDAIK KIIDYEYKIY
 SGPDKEQIAD EINNKNKLE EKANKAMINI NIFMRESSRS FLVNQMINEA KKQLLEFDTQ
 SKNILMQYIK ANSKFIGITE LKKLESKINK VFSTPIPFYS SKNLDCWVDN EEDIDVILKK
 STILNLDINN DIISDISGFN SSVITYPDAQ LVPGINGKAI HLVNNESEV IVHKAMDIEY
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 YFVPTDEGWT ND

Figure 5 SEQ ID NO: 3.

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 ANLYINGVLM GSAEITGLGA IREDNNITLK LDRCNNNNQY VSIDKFRIFC KALNPKEIEK
 LYTSYLSITF LRDFWGNPLR YDTEYYLIPV ASSSKDVQLK NITDYMYLTN APSYTNGKLN
 IYRRLYNGL KFIKRYTPN NEIDSFVKSG DFIKLYVSYN NNEHIVGYPK DGNAFNNLDR
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Figure 6 SEQ ID NO: 4.

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Figure 7 SEQ ID NO: 5.

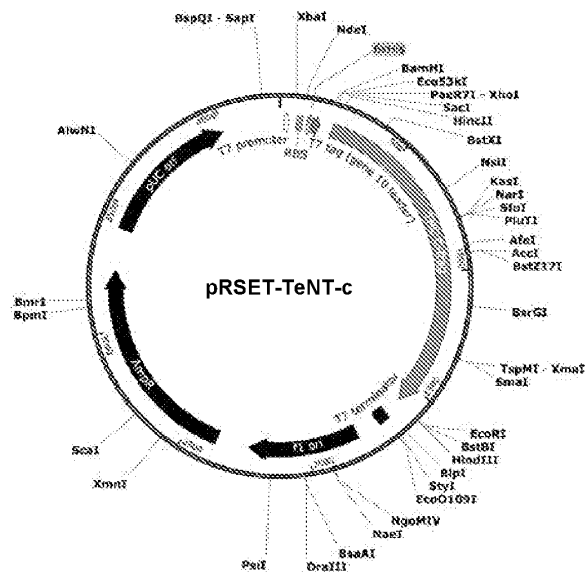


Figure 8.

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Figure 9 SEQ ID NO: 6.

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ACTAACCTGATTATTTTCGGTCCGGACCGGTACTGAATAAAAATGAAGTTCGCGGCATTGTACTGCGTGTGAT
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CTGCTGATGCATGAACCTGATCCATGTTCTGATGCGCTGTATGGCATGCGAGTTTTCATCCCAAGAAATATCCCA
TCCAAACAGGAAATTTACATGCAGCATACATATCCGATTAGTGCCGAAGAACTGTTCACTTTTGGCGGCCAGGAT
GCGAACCTGATTTTCGATTGACATTAAAAACGATCTGTATGAAAAAATCTGAACGATTATAAAGCGATTGCCAAC
AAACTGTCTCAGGTAACTCCTGTAACGATCCGAATATTGATATTGACAGTTATAACAAATTTATCAGCAGAAG
TATCAGTTCGATAAAGACTCTAATGGCCAGTATATTGTTAACGAAGATAAATTCAGATTCTGTACAATAGCATTT
ATGATGGCTTTACTGAGATCGAACTGGGTAAAAAATTTAAACATCAAGACTCGTCTGAGCTATTTTAGCATGAAT
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Figure 10 SEQ ID NO: 7 (continued next page).

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ATTACTCTGCCAGTTATTGCGGCTCTGTGATTGCGAGAGCTCAACGCAGAAAGAAAAAATTATTAAGACATC
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CGGCACCTCGACCCCAAAAACTTGATTAGGGTGATGGTTCACGTAGTGGGCCATCGCCCTGATAGACGGTTTTT
CGCCCTTTGACGTTGGAGTCCACGTTCTTAAATAGTGGACTCTTGTTCCAAACTGGAACAACACTCAACCCCTATC
TCGGTCTATTTCTTTGATTATAAGGGATTTTGCCGATTTTCGGCCTATTGGTTAAAAAATGAGCTGATTTAACAA
AAATTTAACGCGAATTTTAACAAAATATTAACGCTTACAATTTAGGTGGCACTTTTCGGGGAATGTGCGCGGAA
CCCTATTTTGTATTTTCTAAATACATTCAAATATGTATCCGCTCATGAGACAATAACCCCTGATAAATGCTTC
AATAATATTGAAAAAGGAAGAGTATGAGTATCAACATTTCCGTGTCGCCCTTATTCCCTTTTTTTCGCGCATTTT
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GTTACATCGAACTGGATCTCAACAGCGGTAAGATCCTTGAGAGTTTTCGCCCCGAAGAACGTTTTCCAATGATGA
GCACTTTTAAAGTTCTGCTATGTGGCGCGGTATTATCCCGTATTGACGCCGGGCAAGAGCAACTCGGTGCGCGCA
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Figure 10 SEQ ID NO: 7.

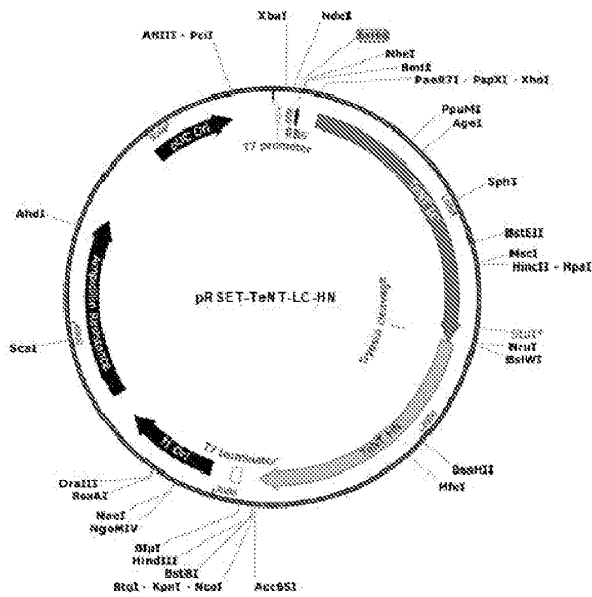


Figure 11.

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TFRDLPDKENAYLANKWVFITITNDRLSSANLYINGVLMSAEITLGAIREDNNITLKLDRCNNNNQYVSIDKF
RIFCKALNPKEIEKLYTSYLSITFLRDFWGNPLRYDTEYYLIPVASSSKDVQLKNITDYMILTNAPSYTNGLKNI
YYRRLYNGLKFIKRYTPNNEIDSFVKSGDFIKLYVSYNNNEHIVGYPKDGNAFNNLDRILEVGYNAPGIPLYKK
DEAVKLRDLKTYSVQLKLYDDKNASLGLVGTHNGQIGNDPNRDIILASNAYFNHLKDKILGCDWYFVPTDEGWTN
D

Figure 12 SEQ ID NO: 8.

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GGACAGCAAATGGGTGCGGATCTGTACGACGATGACGATAAGGATCGATGGGGATCCGAGCTCGAGAAAAATTTG
GATTGCTGGGTGCGCAATGAGGAGGACATTGATGTGATATTAAGAAATCCACTATCTTAAATCTTGATATAAAG
AATGACATCATCTCGATATATCTGGGTCAATTCTCCGTATAACTTACCCTGATGCTCAACTGGTACCGGG
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TGCAAAGCCCTGAACCCGAAAGAAATCGAAAACTGTATACTTCATATCTGAGCATAACATTTCTGCGTGATTTT
TGGGGTAACCCGCTGCGTTATGATACCGAATACTACCTGATTCCGTTGCCAGCAGCAGCAAGATGTTGAGCTG
AAAAATATTACCGCATATATGTATCTGACAAATGCGCCGCTTTATACCAATGGCAAATGAATATTTATTATTCG
CGGTTGTACAACGGGCTGAAGTTCATTATTAACCGGTACACCCCGCAACAACGAAATCGATTCAATTTGTAAATCC
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Figure 13SEQ ID NO: 9 (continued next page).

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 CCCGCTCCTTTTCGCTTTTCTTCCCTTCTTCTCGCCACGTTTCGCCGGCTTTCCCCGTCAAGCTCTAAATCGGGGG
 CTCCTTTTAGGGTTCCGATTTAGTGCTTTACGGCACCTCGACCCCAAAAACTTGATTAGGGTGATGGTTCACGT
 AGTGGGCCATCGCCCTGATAGACGGTTTTTCGCCCTTTGACGTTGGAGTCCACGTTCTTTAATAGTGGACTCTTG
 TTCCAAACTGGAACAACACTCAACCCTATCTCGGTCTATTCTTTTGATTTATAAGGGATTTTGCCGATTTTCGGCC
 TATTGGTTAAAAAATGAGCTGATTTAACAAAAATTTAACCGGAATTTAACAAAAATTTAACGCTTACAATTTAG
 GTGGCACTTTTCGGGGAAATGTGCGCGGAACCCCTATTTGTTTATTTTCTAAATACATTCAAATATGTATCCGC
 TCATGAGACAATAACCCTGATAAATGCTTCAATAATATTGAAAAAGGAAGAGTATGAGTATTCACATTTCCGTG
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 ATGCTGAAGATCAGTTGGGTGCACGAGTGGGTACATCGAAGTGGATCTCAACAGCGGTAAGATCCTTGAGAGTT
 TTCGCCCCGAAGAACGTTTTTCCAATGATGAGCACTTTTAAAGTTCTGCTATGTGGCGCGGTATTATCCCGTATTG
 ACGCCGGGCAAGAGCAACTCGGTTCGCCGCATACACTATTCTCAGAATGACTTGGTTGAGTACTCACCAGTCACAG
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 GCTTCAGCAGAGCGCAGATACCAATACTGTTCTTCTAGTGTAGCCGTAGTTAGGCCACCACTTCAAGAACTCTG
 TAGCACCGCCTACATACCTCGCTCTGCTAATCCTGTTACCAGTGGCTGCTGCCAGTGGCGATAAGTCTGTCTTA
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 CAGGGGGGCGGAGCCTATGAAAAACGCCAGCAACGCGGCCCTTTTTACGGTTCCTGGCCTTTTGTGTCCTTTTG
 CTCACATGTTCTTCTGCGTTATCCCTGATTCTGTGGATAACCGTATTACCGCCTTTGAGTGAGCTGATACCG
 CTCGCCGCGAGCCGAACGACCGAGCGCAGCGAGTCACTGAGCGAGGAAGCGGAAGAGCGCCCAATACGCAAACCGC
 CTCTCCCCGCGCGTTGGCCGATTCAATTAATGCAG

Figure 13 SEQ ID NO: 9.

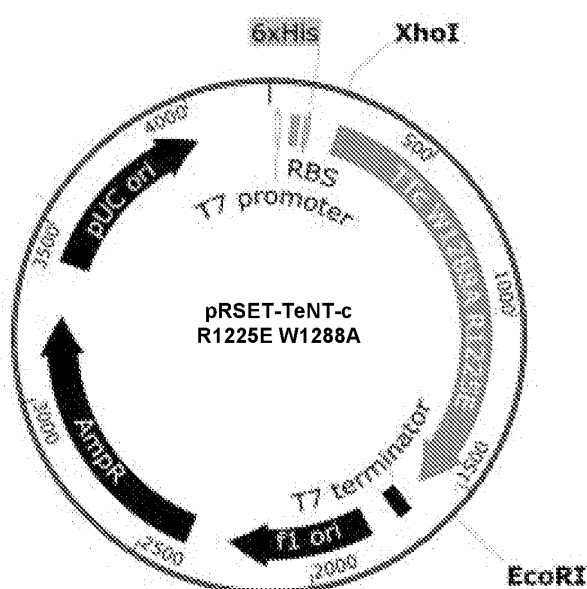


Figure 14.

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 LYNRTASLTDLGGELCIKIKNEDLTFIAEKNSFSEEPFQDEIVSYNTKNKPLNFNYSLDKIIVDYNLQSKITLPN
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 FNSSVITYPDAQLVPGINGKAIHLVNNESESEVIVHKAMDIEYNDMFNNFTVSWFLRVPKVSASHLEQYGTNEYSI
 ISSMKKHSLSIGSGWSVSLKGNLIWTLKDSAGEVRQITFRDLPDKFNAYLANKWVFITITNDRLLSSANLYINGV
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 EYYLIPVASSSKDVQLKNITDYMILTNPASYTNGKLNIIYRRLYNGLFKFIKRYTPNNEIDSFVKSGDFIKLYVS
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Figure 15 SEQ ID NO: 10.

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Figure 16 SEQ ID NO: 11 (continued next page).

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TCTTCTGAAGTTATCGTTCACAAAGCGATGGACATCGAATACAACGACATGTTCAACAACCTTACCCTTTCTTCT
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AAGGAAGAGTATGAGTATCAACATTTCCGTGTCCGCTTATTCCCTTTTTTGGCGCATTTTGCCTTCTGTTTT
TGCTACCCAGAAACGCTGGTGAAGTAAAGATGCTGAAGATCAGTTGGGTGCACGAGTGGGTTACATCGAACT
GGATCTCAACAGCGGTAAGATCCTTGAGAGTTTTTCGCCCCGAAGAACGTTTTTCCAATGATGAGCACTTTTAAAGT
TCTGCTATGTGCGCGGTATTTATCCCGTATTGACGCGGGCAAGAGCAACTCGGTGCGCGCATACACTATTCTCA
GAATGACTTGGTTGAGTACTACACAGTACAGAAAAGCATCTTACGGATGGCATGACAGTAAGAGAATTATGCAG
TGCTGCCATAACCATGAGTGATAACACTGCGGCCAATTACTTCTGACAACGATCGGAGGACCGAAGGAGCTAAC
CGCTTTTTTGCAACAACATGGGGGATCATGTAACCTCGCTTGATCGTTGGGAACCGGAGCTGAATGAAGCCATACC
AAACGACGAGCGTGACACCACGATGCCTGTAGCAATGGCAACAACGTTGCGCAAACCTATTAACCTGGCGAACTACT
TACTCTAGCTTCCCGGCAACAATTAATAGACTGGATGGAGGCGGATAAAGTTGCAGGACCACTTCTGCGCTCGGC
CCTTCCGGCTGGCTGGTTTTATGCTGATAAATCTGGAGCCGGTGAGCGTGGGTCTCGCGGTATCATTGCAGCACT
GGGGCCAGATGGTAAGCCCTCCCGTATCGTAGTTATCTACACGACGGGGAGTCAGGCAACTATGGATGAACGAAA
TAGACAGATCGTGAGATAGTGCCTCACTGATTAAGCATTGGTAACTGTGACACCAAGTTTACTCATATATACT
TTAGATTGATTTAAACTTCATTTTAAATTTAAAGGATCTAGGTGAAGATCCTTTTTGATAATCTCATGACCAA
AATCCCTTAACGTGAGTTTTTCGTTCCACTGAGCGTCAGACCCCGTAGAAAAGATCAAAGGATCTTCTTGAGATCC
TTTTTTTCTGCGCGTAATCTGCTGCTTGCAAACAAAAAAACCACCGCTACCAGCGGTGGTTTTGTTTGC CGGATCA
AGAGCTACCAACTCTTTTTCCGAAGGTAAGTGGCTTCAAGAGAGCGCAGATACCAATACTGTTCTTCTAGTGTA
GCCGTAGTTAGGCCACCACTTCAAGAACTCTGTAGCACCGCCTACATACCTCGCTCTGCTAATCCTGTTACAGT
GGCTGCTGCCAGTGGCGATAAGTCTGTCTTACCGGGTTGGACTCAAGACGATAGTTACCGGATAAGGCGCAGCG
GTCGGGCTGAACGGGGGGTTCGTGCACACAGCCAGCTTGGAGCGAACGACCTACACCGAACTGAGATACTTACA
GCGTGAGCTATGAGAAAGCGCCACGCTTCCCGAAGGGAGAAAGGCGGACAGGTATCCGGTAAGCGGCAGGGTTCGG
AACAGGAGAGCGCACGAGGGAGCTTCCAGGGGAAACGCTGGTATCTTTATAGTCTGTGCGGTTTTCGCCACCT
CTGACTTGAGCGTCGATTTTTGTGATGCTCGTCAGGGGGGCGGAGCCTATGAAAAACGCCAGCAACGCGGCCCT
TTTACGGTCTCTGGCCTTTTGTGCTGCTTGTGCTCACATGTTCTTCTGCGTTATCCCCTGATTCTGTGGATAA
CCGTATTACCGCCTTTGAGTGAGCTGATACCGCTCGCCGAGCCGAACGACCGAGCGCAGCGAGTCAGTGAGCGA
GGAAGCGGAAGAGCGCCCAATACGCAACCGCCTCTCCCGCGCGTTGGCCGATTCTTAATGCAAG

Figure 16 SEQ ID NO: 11.

ACCAACCTGATCATCTTCGGTCCGGTCCGGTCTTGAACAAAAACGAAGTTCGTGGTATCGTTCTGCGTGTGAC
AACAAAACTACTTCCCGTGCCGTGACGGTTTCGGTCTATCATGCAGATGGCGTTCTGCCCGGAATACGTTCCG
ACCTTCGACAACGTTATCGAAAACATCACCTCTCTGACCATCGGTAAATCTAAATACTTCCAGGACCCGGCGCTG
CTGCTGATGCACGAACTGATCCACGTTCTGCACGGTCTGTACGGTATGCAGGTTTCTTGCCACGAAATCATCCCG
TCTAAACAGGAAATCTACATGCAGCACACCTACCCGATCTCTGCGGAAGAACTGTTACCTTCGGTGGTCAGGAC
GCCAACCTGATCTCTATCGACATCAAAAACGACCTGTACGAAAAAACCCCTGAACGACTACAAAGCGATCGCGAAC
AACTGTCTCAGGTTACCTCTTGCAACGACCCGAACATCGACATCGACTCTTACAAACAGATCTACCAGCAGAAA
TACCAGTTCGACAAAGACTGCAACGGTCAGTACATCGTTAACGAAGACAAATTCCAGATCCTGTACAACTCTATC
ATGTACGGTTTACCAGAAATCGAACTGGGTAAAAAATCAACATCAAAACCCGTCTGTCTTACTTCTCTATGAAC
CACGACCCGGTTAAATCCCGAACCTGCTGGACGACACCATCTACAACGACACCGAAGGTTTCAACATCGAATCT
AAAGACCTGAAATCTGAATACAAAGTCAAGACATGCGTGTAAACACCAACGCGTTCCGTAACTGTGACGGTTGC
GGTCTGGTTTCTAAACTGATCGGTCTGTGCAAAAAAATCATCCCGCCGACCAACATCCGTGAAACCTGTACAA
CGTACCGCTCTCTGACCGACCTGGGTGGTGAAGTGTGCATCAAAATCAAAAACGAAGACCTGACCTTCATCGCG
GAAAAAACTCTTCTCTGAAGAACCGTTCAGGACGAAATCGTTTCTTACAACACCAAAAAACAAACCGCTGAAC
TTCAACTACTCTCTGGACAAATCATCGTTGACTACAACCTGCAGTCTAAATACCCCTGCCGACGACCGTACC
ACCCCGGTTACCAAAGGTATCCCGTACGCGCCGGAATACAAATCTAACGCGCGCTTACCATCGAAATCCACAAC
ATCGACGACCAACACCATCTACCAGTACCTGTACGCGCAGAAATCTCCGACACCCCTGCAGCTGTACCATGACC
AACTCTGTTGACGACGCGCTGATCAACTCTACCAAAATCTACTCTTACTTCCCGTCTGTTATCTGCAAAAGTTAAC
CAGGGTGCGCAGGGTATCCTGTTCTGCACTGGGTTCGTGACATCATCGACGACTTACCAACGAATCTTCTCAG
AAAACCACCATCGACAAAATCTCTGACGTTTCTACCATCGTTCCGTACATCGGTCCGGCGCTGAACATCGTTAAA
CAGGGTTACGAAGGTAACTTCATCGGTGCGCTGGAACACCACCGGTGTTGTTCTGCTGCTGGAATACATCCCGGAA
ATCACCCCTGCCGGTTATCGCGGCGCTGTCTATCGCGGAATCTTCTACCCAGAAAGAAAAAATCATCAAAACCATC
GACAACTTCCCTGGAAAAACGTTACGAAAAATGGATCGAAGTTTACAACCTGGTTAAAGCGAAATGGCTGGGTACC
GTTAACACCCAGTTCAGAAACGTTCTTACCAGATGTACCGTTCTCTGGAATACCAGGTTGACGCGATCAAAAA
ATCATCGACTACGAATACAAATCTACTCTGGTCCGGACAAAGAACAGATCGCGGACGAAATCAACAACCTGAAA
AACAACTGGAAGAAAAAGCGAACAAAGCGATGATCAACATCAACATCTTCATGCGTGAATCTTCTCGTTCTTTC
CTGGTTAACAGATGATCAACGAAGCGAAAAACAGCTGCTGGAATTCGACACCCAGTCTAAAAACATCCTGATG
CAGTACATCAAGCGAACTCTAAATTCATCGGTATCACCGAACTGAAAAAAGTGAATCTAAATCAACAAAGTT
TTCTCTACCCCGATCCCGTTCTCTTACTCTAAAAACCTGGACTGCTGGGTTGACAAACGAAGACATCGACGTT
ATCCTGAAAAAATCTACCATCCTGAACCTGGACATCAACAACGACATCATCTCTGACATCTCTGGTTTCAACTCT
TCTGTTATCACCTACCCGACGCGCAGCTGGTCCGGGTATCAACGGTAAAGCGATCCACCTGGTTAACAACGAA
TCTTCTGAAGTTATCGTTCAAAAGCGATGGACATCGAATACAACGACATGTTCAACAACCTTACCGTTTCTTTC
TGGCTGCGTGTTCGGAAGTTTCTGCGTGCCACCTGGAACAGTACGGTACCAACGAATACTCTATCATCTCTTCT
ATGAAAAAAGCTCTCTGTCTATCGGTTCTGGTTGGTCTGTTTCTCTGAAAGGTAACAACCTGATCTGGACCTG
AAAGACTCTGCGGGTGAAGTTTCGTGAGATCACTTCCGTGACCTGCCGACAAATCAACGCTACCTGGCGAAC
AAATGGGTTTTCATCACCATCAACAACGACCGTCTGTCTGCGAACCTGTACATCAACGGTGTCTGATGGGT
TCTGCGGAAATCACCGGTCTGGGTGCGATCCGTGAAGACAACAACATCACCTGAACTGGACCGTTGCAACAAC
AACAAACAGTACGTTTCTATCGACAAATCCGTATCTTCTGCAAAGCGCTGAACCCGAAAGAAATCGAAAACTG
TACACCTCTTACCTGTCTATCACCTTCTGCGTGACTTCTGGGGTAACCCGCTGCGTTACGACACCCGAATACTAC
CTGATCCCGGTTGCGTCTTCTTCTAAAGACGTTACGTGAAAAACATCACCGACTACATGTACCTGACCAACGCG
CCGTGCTACACCAACGGTAACTGAACATCTACTACCGTCTGTCTGTACAACGGTCTGAAATTCATCATCAACCT
TACACCCGAAACACGAAATCGACTGCTTCGTAAATCTGGTGACTTCATCAAACGTACGTTTCTTACAACAAC
AACGAACACATCGTTGGTTACCCGAAAGACGGTAACGCGTTCAACAACCTGGACCGTATCCTGCGTGTGGTTAC
AACGCGCCGGGTATCCCGCTGTACAAAAAATGGAAGCGGTTAAACTGCGTGACCTGAAACCTACTCTGTTTACG
CTGAAACTGTACGACGACAAAAACGCGTCTCTGGGTCTGGTTGGTACCCACAACGGTCAGATCGGTAACGACCCG
AACCGTGACATCCTGATCGGTCTAACTGGTACTTCAACCACCTGAAAGACAAATCCTGGGTTGCGACTGGTAC
TTCGTTCCGACCGACGAAGGTTGGACCAACGACTAAAAAGCTTGATCCGGCTGCTAACAAAGCCCGAAAGGAGCT
GAGTTGGCTGCTGCCACCGCTGAGCAATAACTAGCATAACCCCTTGGGGCCTCTAAACGGGTCTTGAGGGGTTTT
TTGCTGAAAGGAGGAATATATCCGGATCTGGCGTAATAGCGAAGAGGCCCGACCGATCGCCCTTCCCAACAGT
TGCAGCAGCTGAATGGCGAATGGGACGCGCCCTGTAGCGGCGCATTAAGCGCGCGGGGTGTGGTGGTTACGCGCA
GCGTGACCGCTACACTTGCCAGCGCCCTAGCGCCCGCTCCTTTTCGCTTTCTTCCCTTCTTCTCGCCACGTTTCG
CCGGCTTTCCCGCTCAAGCTCTAAATCGGGGGCTCCCTTTAGGGTTCCGATTTAGTGCTTTACGGCACCTCGACC
CCAAAAAAGTTGATTAGGGTATGGTTACGTAGTGGGCCATCGCCCTGATAGACGGTTTTTTCGCCCTTTGACGT
TGGAGTCCACGTTCTTAAATAGTGGACTCTGTTCCAACTGGAACAACACTCAACCCTATCTCGGTCTATTCTT
TTGATTTATAAGGGATTTTTCGGATTTTCGGCTATTGGTTAAAAAATGAGCTGATTTAACAAAAATTTAACGCGA
ATTTTAAACAAATATTAACGCTTACAATTTAGGTGGCACTTTTTCGGGGAAATGTGCGCGGAACCCCTATTTGTTT
ATTTTTCTAAATACATTCAATATGTATCCGCTCATGAGACAATAACCCTGATAAATGCTTCAATAATATTGAAA
AAGGAAGAGTATGAGTATTCAACATTTCCGTGTCGCGCTTATTCCTTTTTTTCGGGCATTTTTCCTCTGTTT
TGCTCACCCAGAAACGCTGGTGAAGTAAAGATGCTGAAGATCAGTTGGGTGCACGAGTGGGTTACATCGAACT

Figure 19 SEQ ID NO: 13 (continued next page).

GGATCTCAACAGCGGTAAGATCCTTGAGAGTTTTCGCCCCGAAGAACGTTTTCCAATGATGAGCACTTTTAAAGT
TCTGCTATGTGGCGCGGTATTATCCCGTATTGACGCCGGGCAAGAGCAACTCGGTGCGCCGATACACTATTCTCA
GAATGACTTGTTGAGTACTCACCAGTCACAGAAAAGCATCTTACGGATGGCATGACAGTAAGAGAATTATGCAG
TGCTGCCATAACCATGAGTGATAACACTGCGGCCAACTTACTTCTGACAACGATCGGAGGACCGAAGGAGCTAAC
CGCTTTTTTGCACAACATGGGGGATCATGTAACCTGCCTTGATCGTTGGGAACCGGAGCTGAATGAAGCCATACC
AAACGACGAGCGTGACACCACGATGCCTGTAGCAATGGCAACAACGTTGCGCAAACTATTAACCTGGCGAACTACT
TACTCTAGCTTCCCGGCAACAATTAATAGACTGGATGGAGGCGGATAAAGTTGCAGGACCACTTCTGCGCTCGGC
CCTTCCGGCTGGCTGGTTTATTGCTGATAAATCTGGAGCCGGTGAGCGTGGGTCTCGCGGTATCATTGCAGCACT
GGGGCCAGATGGTAAGCCCTCCCGTATCGTAGTTATCTACACGACGGGAGTCAGGCAACTATGGATGAACGAAA
TAGACAGATCGCTGAGATAGGTGCCTCACTGATTAAGCATTGGTAACGTGTCAGACCAAGTTTACTCATATATACT
TTAGATTGATTTAAACTTCATTTTTAATTTAAAGGATCTAGGTGAAGATCCTTTTGGATAATCTCATGACCAA
AATCCCTTAACGTGAGTTTTTCGTTCCACTGAGCGTCAGACCCCGTAGAAAAGATCAAAGGATCTTCTTGAGATCC
TTTTTTTCTGCGCGTAATCTGCTGCTTGCAAACAAAAAACACCGCTACCAGCGGTGGTTTGGTTTGC CGGATCA
AGAGCTACCAACTCTTTTTCCGAAGGTAAGTGGCTTCAGCAGAGCGCAGATACCAATACTGTTCTTCTAGTGTA
GCCGTAGTTAGGCCACCACTTCAAGAACTCTGTAGCACCGCCTACATACCTCGCTCTGCTAATCCTGTTACCAGT
GGCTGCTGCCAGTGGCGATAAGTCGTGTCTTACCGGTTGGACTCAAGACGATAGTTACCGGATAAGGCGCAGCG
GTCGGGCTGAACGGGGGTTCTGTGCACACAGCCAGCTTGGAGCGAACGACCTACACCGAACTGAGATAACCTACA
GCGTGAGCTATGAGAAAGCGCCACGCTTCCCGAAGGGAGAAAGCGGACAGGTATCCGGTAAGCGGCAGGGTCGG
AACAGGAGAGCGCACGAGGGAGCTTCCAGGGGAAACGCCTGGTATCTTTATAGTCTGTGCGGTTTTCGCCACCT
CTGACTTGAGCGTCGATTTTTGTGATGCTGTGAGGGGGCGGAGCCTATGGAAAACGCCAGCAACGCGGCCTT
TTTACGGTTCCTGGCCTTTTGTGCTGCGCTTTTGTGCTCACATGTTCTTTCTGCGTTATCCCCTGATCTGTGGATAA
CCGTATTACCGCCTTTGAGTGAGCTGATACCGCTCGCCGAGCCGAACGACCGAGCGCAGCGAGTCAGTGAGCGA
GGAAGCGGAAGAGCGCCCAATACGCAAACCGCCTCTCCCGCGCGTTGGCCGATTCTTAATGCAG

Figure 19 SEQ ID NO: 13.

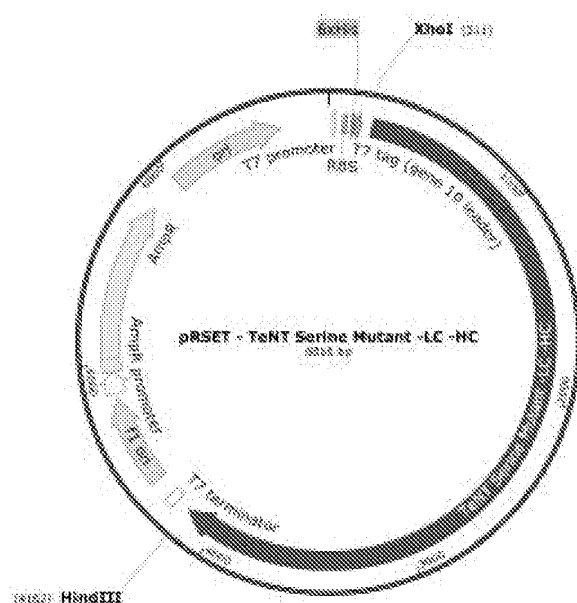


Figure 20.

PITINNFRYSDFVNNDTIIMMEPPYCKGLDIYYKAFKITDRIWIVPERYEFGTKPEDFNPPSSLIEGASEYYDPN
YLRDCKDKDRFLQTMVKLFNRIKNNVAGEALLDKIINAIPLYLNCYSLLDKFDTNSNSVSNLLEQDPCGATTKS
AMLTNLIIFGPGPVLNKNEVRGIVLRVDNKNYFPCRDGFGSIMQMAFCPEYVPTFDNVIENITSLTIGKSKYFQD
PALLLMHELIHVLHGLYGMQVSCHEIIPSKQEIYMQHTYPI SAEELFTFGGQDANLISIDIKNDLYEKTLDNYKA
IANKLSQVTSNDPNIDIDSYKQIYQKQYQFDKDCNGQYIVNEDKFQILYNSIMYGFTIEELGKKFNIKTRLSYF
SMNHDPVKIPNLLDDTIYNDTEGFNIESKDLKSEYKGNMRVNTNAFRNVDGCGLVSKLIGLCKKIIPPTNIREN
LYNRTASLTDLGELCIKIKNEDLTFIAEKNSFSEEPQDEIVSYNTKNKPLNFNYSLDKIIVDYNLQSKITLPN

Figure 21 SEQ ID NO: 14 (continued next page).

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DRTPVTKGIPYAPEYKSNAASTIEIHNIDDNTIYQYLYAQKSPTTLQRITMTNSVDDALINSTKIYSYFSPVIS
KVNQGAQGILFLQWVRDIIDDFTNESSQKTTIDKISDVSTIVPYIGPALNIVKQGYEGNFIGALETGTVLLLEY
IPEITLPLVIAALSIAESSTQKEKIKTIDNFLEKRYEKWIEVYKLVKAKWLGTVNTQFQKRSYQMYRSLEYQVDA
IKKIIDYEYKIYSGPDKEQIADENNLLKNKLEEKANKAMININIFMRESSRSFLVNQMINEAKQLLEFDTQSKN
ILMQYIKANSKFIGITELKKLESKINKVFSTPIPFYSYKNLDCWVDNEEDIDVILKKSTILNLDINNDIISDISG
FNSSVITYPDAQLVPGINGKAIHLVNNESEVIVHKAMDIEYNDMFNNFTVSFWLRVPKVSACHLEQYGTNEYSI
ISSMKKHSLSIGSGWSVSLKGNLIWTLKDSAGEVRQITFRDLDPKFNAYLANKWVFITITNDRLCSANLYINGV
LMGSAEITGLGAIREDDNNITLKLDRCNNNNQYVSIDKFRI FCKALNPKEIEKLYTSYLSITFLRDFWGNPLRYDT
EYYLIPVASSSKDVQLKNITDYMILTANAPCYTNGKLNIIYRRLYNGLKFI IKRYTPNNEIDCFVKS GDFIKLYVS
YNNNEHIVGYPKDGNAFNLLDRILRVGNAPGIPLYKKMEAVKLRLDKTYSVQLKLYDDKNASLGLVGTHNGQIG
NDPNRDILIASNWYFNHLKDKILGCDWYFVPTDEGWTND

Figure 21 SEQ ID NO: 14.

GATCTCGATCCCGCGAAATTAATACGACTCACTATAGGGAGACCACAACGGTTTCCCTCTAGAAATAATTTTGT
TAACTTTAAGAAGGAGATATACATATGCGGGGTCTCATCATCATCATCATCATGGTATGGCTAGCATGACTGGT
GGACAGCAAATGGGTGCGGATCTGTACGACGATGACGATAAGGATCGATGGGGATCCGAGCTCGAGCCGATCACC
ATCAACAACCTCCGTACTCTGACCCGGTTAACAACGACACCATCATCATGATGGAACCGCCGTACTGCAAGGT
CTGGACATCTACTACAAAGCGTTCAAAATCACCAGCGTATCTGGATCGTCCGGAACGTTACGAATTCGGTACC
AAACCGGAAGACTTCAACCCGCCGTCTTCTCTGATCGAAGGTGCGTCTGAATACTACGACCCGAACCTACCTGCGT
ACCGACTGCGACAAAGACCGTTTCTGCGACCATGGTTAACTGTTCAACCGTATCAAAAACAACGTTGCGGGT
GAAGCGCTGCTGGACAAAATCATCAACGCGATCCCGTACCTGGGTAACTGCTACTCTCTGCTGGACAAATTCGAC
ACCAACTCTAACTCTGTTTCTTCAACCTGCTGGAACAGGACCCGTGCGGTGCGACCAACCTGCGGATGCTG
ACCAACCTGATCATCTTCCGTCCGGTCCGGTCTGAACAAAACGAAGTTCGTGGTATCGTTCTCGGTGTTGAC
AACAAAACCTACTTCCCGTGCCGTGACGGTTTCGGTTCTATCATGCAGATGGCGTCTGCCCGGAATACGTTCCG
ACCTTCGACAACGTTATCGAAAACATCACCTCTCTGACCATCGGTAATCTAAATACTTCCAGGACCCGCGCTG
CTGCTGATGCACGAACTGATCCACGTTCTGCACGGTCTGTACGGTATGCAGGTTTCTGCCACGAAATCATCCCG
TCTAAACAGGAAATCTACATGCAGCACACCTACCCGATCTCTGCGGAAGAACTGTTACCTTCGGTGGTACGAC
GCGAACCTGATCTCTATCGACATCAAAAACGACCTGTACGAAAAACCTGAACGACTACAAAGCGATCGCGAAC
AACTGTCTCAGGTTACCTCTTGAACGACCCGAACATCGACATCGACTCTTACAAACAGATCTACCAGCAGAAA
TACCAGTTCGACAAAGACTGCAACGGTCAGTACATCGTTAACGAAGACAAATTCAGATCCTGTACAACCTCTATC
ATGTACGGTTTACCAGAAATCGAACTGGGTAAAAAATCAACATCAAAACCCGTCTGTCTTACTTCTCTATGAAC
CAGGACCCGGTTAAATCCCGAACCTGCTGGACGACACCATCTACAACGACACCGAAGGTTTCAACATCGAATCT
AAAGACCTGAAATCTGAATACAAAGGTGAGAACATGCGTGTAAACCAACGCGTCCGTAACGTTGACGGTTGC
GGTCTGGTTTCTAACTGATCGGTCTGTGCAAAAAATCATCCCGCGACCAACATCCGTGAAACCTGTACAAC
GTACCGCGTCTCTGACCGACCTGGGTGGTGAACCTGTGATCAAAATCAAAAACGAAGACCTTACCTTCATCGG
GAAAAAACTCTTTCTCTGAAGAACCGTTCCAGGACGAAATCGTTTCTTACAACACCAAAAACAAACCGCTGAAC
TTCAACTACTCTCTGGACAAAATCATCGTTGACTACAACCTGCAGTCTAAAATCACCTGCCGAACGACCGTACC
ACCCCGGTTACCAAAGGTATCCCGTACGCGCCGGAATACAAATCTAACGCGGCGTCTACCATCGAAATCCACAAC
ATCGACGACAACACCATCTACCAGTACCTGTACGCGCAGAAATCTCCGACACCTGCGAGCGTATCACCATGACC
AATCTGTTGACGACGCGCTGATCAACTCTACCAAAATCTACTTCTTACTTCCCGTCTGTTATCTCTAAAGTTAAC
CAGGGTCCGACAGGTATCCTGTTCTGCGAGTGGGTCTGATGACATCATCGACGACTTACCAACGAATCTTCTCAG
AAAACCACCATCGACAAAATCTCTGACGTTTCTACCATCGTTCCGTACATCGGTCCGGCGCTGAACATCGTTAAA
CAGGGTTACGAAGGTAACCTCATCGGTGCGCTGGAACACACCGGTGTTGTTCTGCTGCTGGAATACATCCCGGAA
ATCACCTGCGCGTTATCGCGCGCTGTCTATCGCGGAATCTTCTACCCAGAAAGAAAAATCATCAAAACCATC
GACAACCTTCTGGA AAAACGTTACGAAAAATGGATCGAAGTTTACAACTGGTTAAAGCGAAATGGCTGGGTACC
GTTAACACCCAGTTCCAGAAACGTTCTTACCAGATGTACCGTTCTCTGGAATACCAGGTTGACGCGATCAAAAA
ATCATCGACTACGAATACAAAATCTACTCTGGTCCGGACAAAGAACAGATCGCGGACGAAATCAACAACCTGAAA
AACAACTGGAAGAAAAAGCGAACAAAGCGATGATCAACATCAACATCTTCTCATGCGTGAATCTTCTCGTTCTTTC
CTGGTTAACAGATGATCAACGAAGCGAAAAACAGCTGCTGGAATTCGACACCCAGTCTAAAAACATCCTGATG
CAGTACATCAAAAGCGAATCTAAATTCATCGGTATCACCGAATGAAAAACTGGAATCTAAAAATCAACAAAGTT
TTCTCTACCCCGATCCCGTTCTTACTCTAAAAACCTGGACTGCTGGGTTGACAACGAAGAAGACATCGACGTT
ATCCTGAAAAATCTACCATCCTGAACCTGGACATCAACAACGACATCATCTCTGACATCTCTGGTTTCAACTCT
TCTGTTATCACCTACCCGGACGCGCAGCTGGTTCCGGGTATCAACGGTAAAGCGATCCACCTGGTTAAACAACGAA
TCTTCTGAAGTTATCGTTCACAAAGCGATGGACATCGAATACAAACGACATGTTCAACAACCTTACCGTTTCTTTC
TGGCTGCGTGTTCGAAAGTTTCTGCGTGCCACCTGGAACAGTACGGTACCAACGAATACTCTATCATCTCTTCT
ATGAAAAACACTCTCTGTCTATCGGTTCTGGTGGTCTGTTTCTCTGAAAGGTAACAACCTGATCTGGACCTG
AAAGACTCTGCGGGTGAAGTTCGTGAGATCACCTCCGTGACCTGCCGGACAAATTAACGCGTACCTGGCGAAC
AAATGGGTTTTATCACCATCAACAACGACCGTCTGTGCTCTGCGAACCTGTACATCAACGGTGTCTGATGGGT

Figure 22 SEQ ID NO: 15 (continued next page).

TCTGCGGAAATCACCGGTCTGGGTGCGATCCGTGAAGACAACAACATCACCCTGAAACTGGACCGTTGCAACAAC
AACACCAGTACGTTTCTATCGACAAATCCGTATCTTCTGCAAAGCGCTGAACCCGAAAGAAATCGAAAACTG
TACACCTCTTACCTGTCTATCACCTTCCTGCGTGACTTCTGGGGTAACCCGCTGCGTTACGACACCGAATACTAC
CTGATCCCGGTTGCGTCTTCTTCTAAAGACGTTTACGTGAAAAACATCACCGACTACATGTACCTGACCAACGCG
CCGTGCTACACCAACGGTAACTGAACATCTACTACCGTCTGTGTACAAACGGTCTGAAATTCATCATCAAACGT
TACACCCCGAACAACGAAATCGACTGCTTCGTAAATCTGGTGACTTCATCAAACGTGTACGTTTCTTACAACAAC
AACGAACACATCGTTGGTTACCCGAAAGACGGTAACGCGTTCAACAACCTGGACCGTATCCTGCGTGTGGTTAC
AACGCGCCGGGTATCCCGCTGTACAAAAAATGGAAGCGGTTAACTGCGTGACCTGAAAACCTACTCTGTTCAG
CTGAAACTGTACGACGACAAAAACGCGTCTCTGGGTCTGGTTGGTACCACAACGGTCAGATCGGTAACGACCCG
AACCGTGACATCCTGATCGCGTCTAACTGGTACTTCAACCACCTGAAAGACAAAACTCTGGGTTGCGACTGGTAC
TTGCTTCCGACCGACGAAGGTTGGACCAACGACTAAAAGCTTGATCCGGCTGCTAACAAAGCCGAAAGGAAGCT
GAGTTGGCTGCTGCCACCGCTGAGCAATAACTAGCATAAACCCCTTGGGGCCTCTAAACGGGTCTTGAGGGGTTTT
TTGCTGAAAGGAGGAACATATATCCGGATCTGGCGTAATAGCGAAGAGGCCCGCACCGATCGCCCTTCCCAACAGT
TGCGCAGCCTGAATGGCGAATGGGACGCGCCCTGTAGCGCGCATTAAGCGCGCGGGTGTGGTGGTTACGCGCA
GCGTGACCGCTACACTTGCCAGCGCCCTAGCGCCCGCTCCTTTTCGCTTTCTTCCCTTCTCTCGCCACGTTTCG
CCGGCTTTCCCGCTCAAGCTCTAAATCGGGGGCTCCCTTTAGGGTTCCGATTTAGTGCTTTACGGCACCTCGACC
CCAAAAACTTGATTAGGGTGATGGTTACGTAGTGGCCATCGCCCTGATAGACGGTTTTTTCGCCCTTTGACGT
TGGAGTCCACGTTCTTTAATAGTGGACTCTTGTTCAAAACCTGGAACAACACTCAACCCCTATCTCGGTCTATTCTT
TTGATTTATAAGGGATTTTCCCGATTTTCGGCTATTGGTTAAAAAATGAGCTGATTTAACAAAAATTTAACCGCA
ATTTTAAACAAAATATTAACGCTTACAATTTAGGTGGCACTTTTTCGGGGAAATGTGCGCGGAACCCCTATTTGTTT
ATTTTTCTAAATACATTCAATATGTATCCGCTCATGAGACAATAACCCCTGATAAATGCTTCAATAATATTGAAA
AAGGAAGAGTATGAGTATTCACATTTCCGTGTCGCCCTTATTCCTTTTTCGCGCATTTTGCCTTCTGTTTT
TGCTCACCCAGAAACGCTGGTGAAAGTAAAGATGCTGAAGATCAGTTGGGTGCACGAGTGGGTACATCGAACT
GGATCTCAACACGCGTAAGATCCTTGAGAGTTTTTCGCCCGAAGAACGTTTTTCCAATGATGAGCACTTTTAAAGT
TCTGCTATGTGGCGCGGTATTATCCCGTATTGACGCCGGGCAAGAGCAACTCGGTGCGCGCATACACTATTCTCA
GAATGACTTGGTTGAGTACTACCAAGTCACAGAAAAGCATCTTACGGATGGCATGACAGTAAGAGAATTATGCAG
TGCTGCCATAACCATGAGTGATAACACTGCGGCCAACTTACTTCTGACAACGATCGGAGGACCGAAGGAGCTAAC
CGCTTTTTTGCACAACATGGGGGATCATGTAACCTCGCCTTGATCGTTGGGAACCGGAGCTGAATGAAGCCATACC
AAACGACGAGCGTGACACCACGATGCCGTGTAGCAATGGCAACAACGTTGCGCAAACCTATTAACCTGGCGAACTACT
TACTCTAGCTTCCCGGCAACAATTAATAGACTGGATGGAGGCGGATAAAGTTGCAGGACCACCTTCTGCGCTCGGC
CCTTCCGGCTGGCTGGTTTTATTGCTGATAAATCTGGAGCCGGTGAGCGTGGGTCTCGCGGTATCATTGCAGCACT
GGGGCCAGATGGTAAGCCCTCCCGTATCGTAGTTATCTACACGACGGGGAGTCAGGCAACTATGGATGAACGAAA
TAGACAGATCGTGAGATAGGTGCCTCACTGATTAAGCATTTGGTAACGTGTGAGACCAAGTTTACTCATATATACT
TTAGATTGATTTAAACTTTCATTTTTAATTTAAAGGATCTAGGTGAAGATCCTTTTTGATAATCTCATGACCAA
AATCCCTTAACGTGAGTTTTTCGTTCCACTGAGCGTCAGACCCCGTAGAAAAGATCAAAGGATCTTCTTGAGATCC
TTTTTTTCTGCGCGTAATCTGCTGCTTGCAACAACAAAAACCACCGCTACCAGCGGTGGTTTGGTTGCCGGATCA
AGAGCTACCAACTCTTTTTCCGAAGGTAACCTGGCTTCAGCAGAGCGCAGATACCAAATACTGTTCTTCTAGTGTA
GCCGTAGTTAGGCCACCACTTCAAGAACTCTGTAGCACCGCCTACATACCTCGCTCTGCTAATCCTGTTACCAGT
GGCTGCTGCCAGTGCGGATAAGTCGTGTCTTACCGGGTTGGACTCAAGACGATAGTTACCGGATAAGGCGCAGCG
GTCGGGCTGAACGGGGGGTTCGTGCACACAGCCCAGCTTGAGCGAACGACCTACACCGAACTGAGATACCTACA
CCGTGAGCTATGAGAAAGCGCCACGCTTCCCGAAGGGAGAAAGGCGGACAGGTATCCGGTAAGCGCGCAGGGTCGG
AACAGGAGAGCGCACGAGGGAGCTTCCAGGGGGAACGCCTGGTATCTTTATAGTCTGTGCGGGTTTCGCCACCT
CTGACTTGAGCGTCGATTTTTGTGATGCTCGTCAGGGGGGCGGAGCCTATGGAAAAACGCCAGCAACGCGGCCTT
TTTACGGTTCTGGCCTTTTGTGCTGCTTGTGCTCACATGTTCTTTCTGCGTTATCCCCTGATTCTGTGGATAA
CCGTATTACCGCCTTTGAGTGAGCTGATACCGCTCGCCCGAGCCGAACGACCGAGCGCAGCGAGTCAGTGAGCGA
GGAAGCGGAAGAGCGCCCAATACGCAACCGCCTCTCCCGCGCGTTGGCCGATTCTAATATGCAG

Figure 22 SEQ ID NO: 15.

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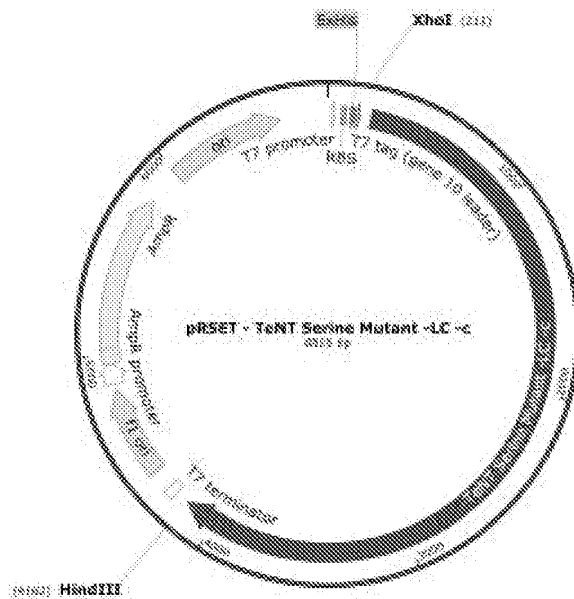


Figure 23.

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 IANKLSQVTSNDENIDIDSYKQIYQKQYQFDKDSNGQYIVNEDKFQILYNSIMYGFTIEELGKKFNIKTRLSYF
 SMNHDPVKIPNLLDDTIYNDTEGFNIESKDLKSEYKQNMVRVNTNAFRNVDGSGLVSKLIGLCKKIIPPTNIREN
 LYNRTASLTDLGGELCIKIKNEDLTFIAEKNSFSEEPFQDEIVSYNTKNKPLNFNYSLDKIIVDYNLQSKITLPN
 DRTPVTKGIPYAPEYKSNAASTIEIHNDNTIYQYLYAQKSPTTLQRITMTNSVDDALINSTKIYSYFSPVIC
 KVNQGAQGILFLQWVRDIIDDFTNESSQKTTIDKISDVSTIVPYIGPALNIVKQGYEGNFIGALETGTGVLLLEY
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 LMGSAEITGLGAIREDNITLKLDRCNNNNQYVSIDKFRI FCKALNPKEIEKLYTSYLSITFLRDFWGNPLRYDT
 EYYLIPVASSSKDVQLKNITDYMILTNA PCYTNGKLNIIYRRLYNGLKFI IKRYTPNNEIDCFVKS GDFIKLYVS
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Figure 24 SEQ ID NO: 16.

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 CTGGACATCTACTACAAAGCGTTCAAAATCACCGACCGTATCTGGATCGTTCCGGAACGTTACGAATTCGGTACC
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Figure 25 SEQ ID NO: 17 (continued next page).

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Figure 25 SEQ ID NO: 17 (continued next page).

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Figure 25 SEQ ID NO: 17.

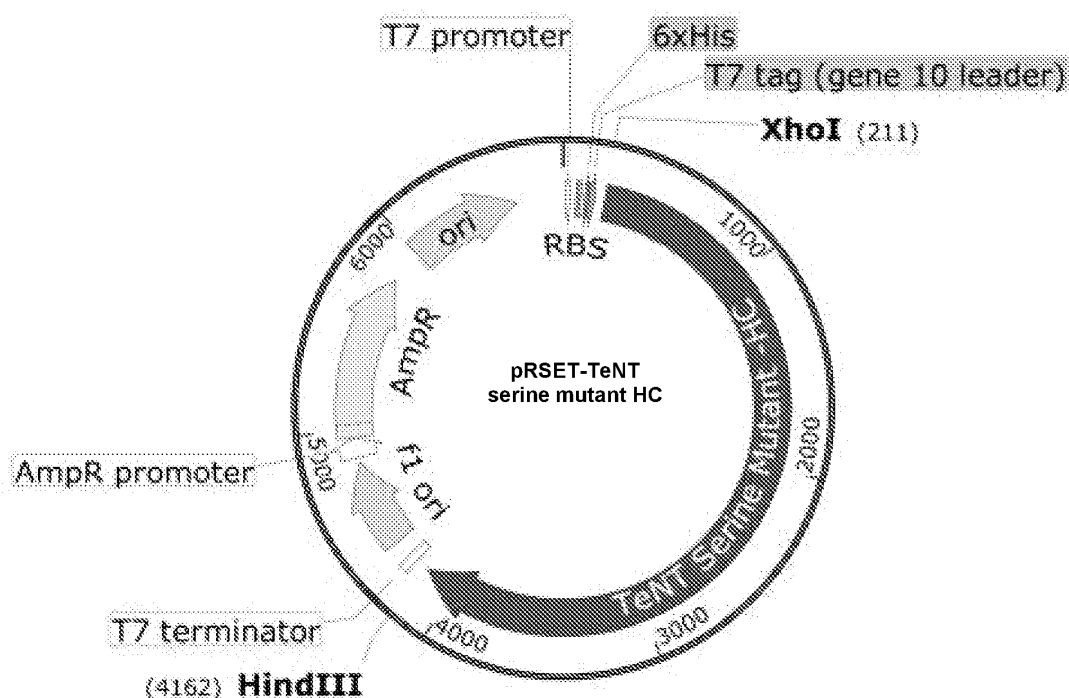


Figure 26.

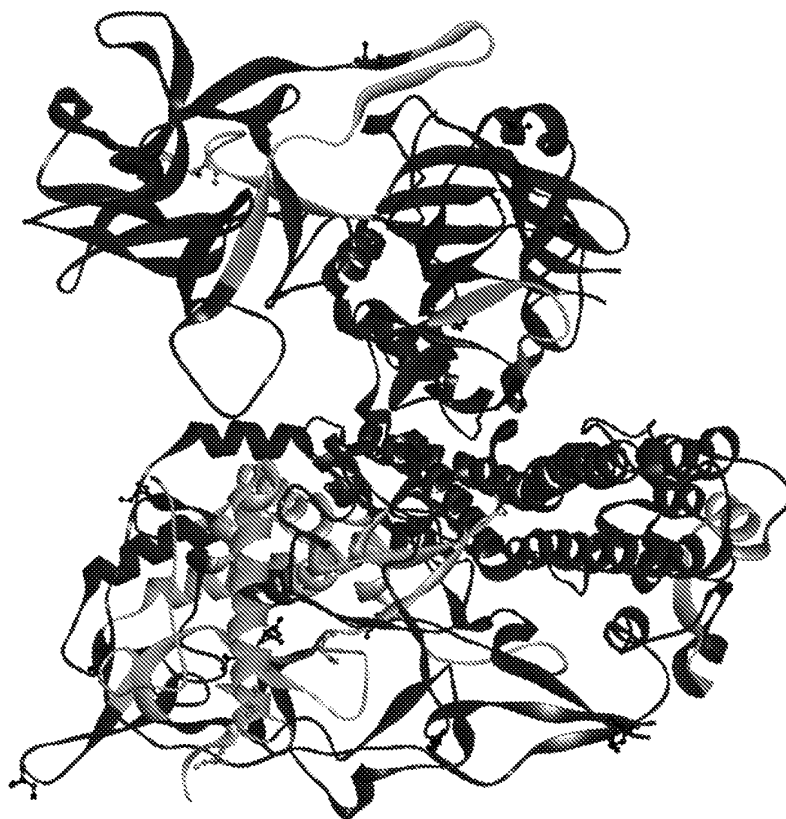


Figure 27.

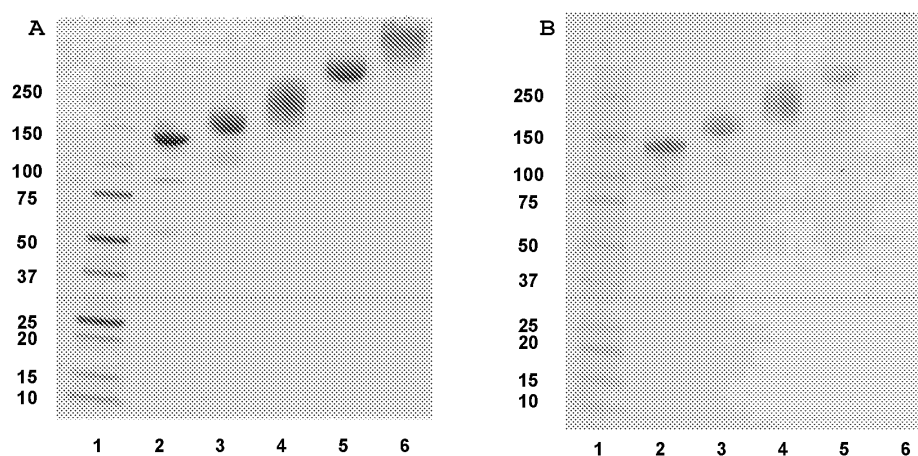


Figure 28.

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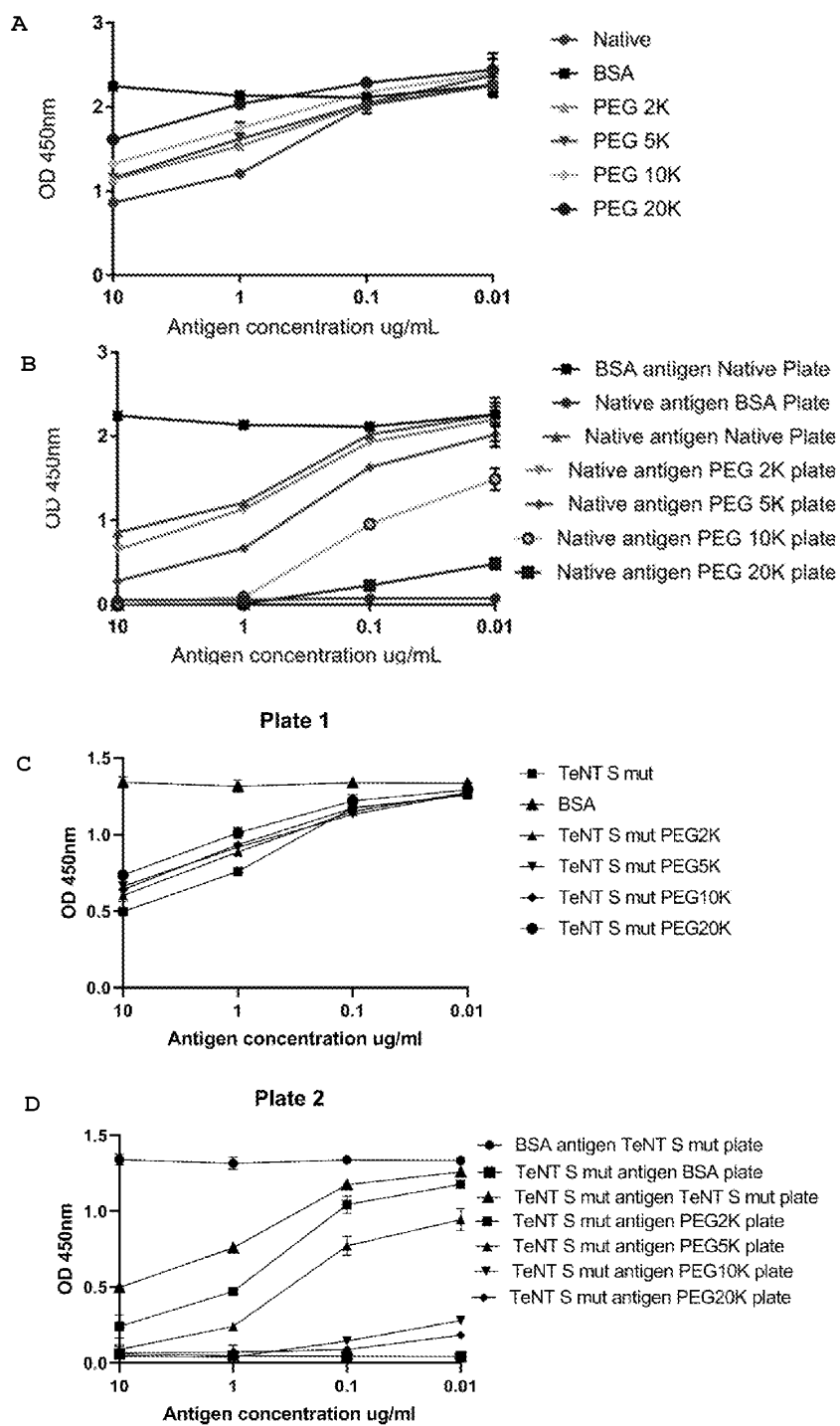


Figure 29.

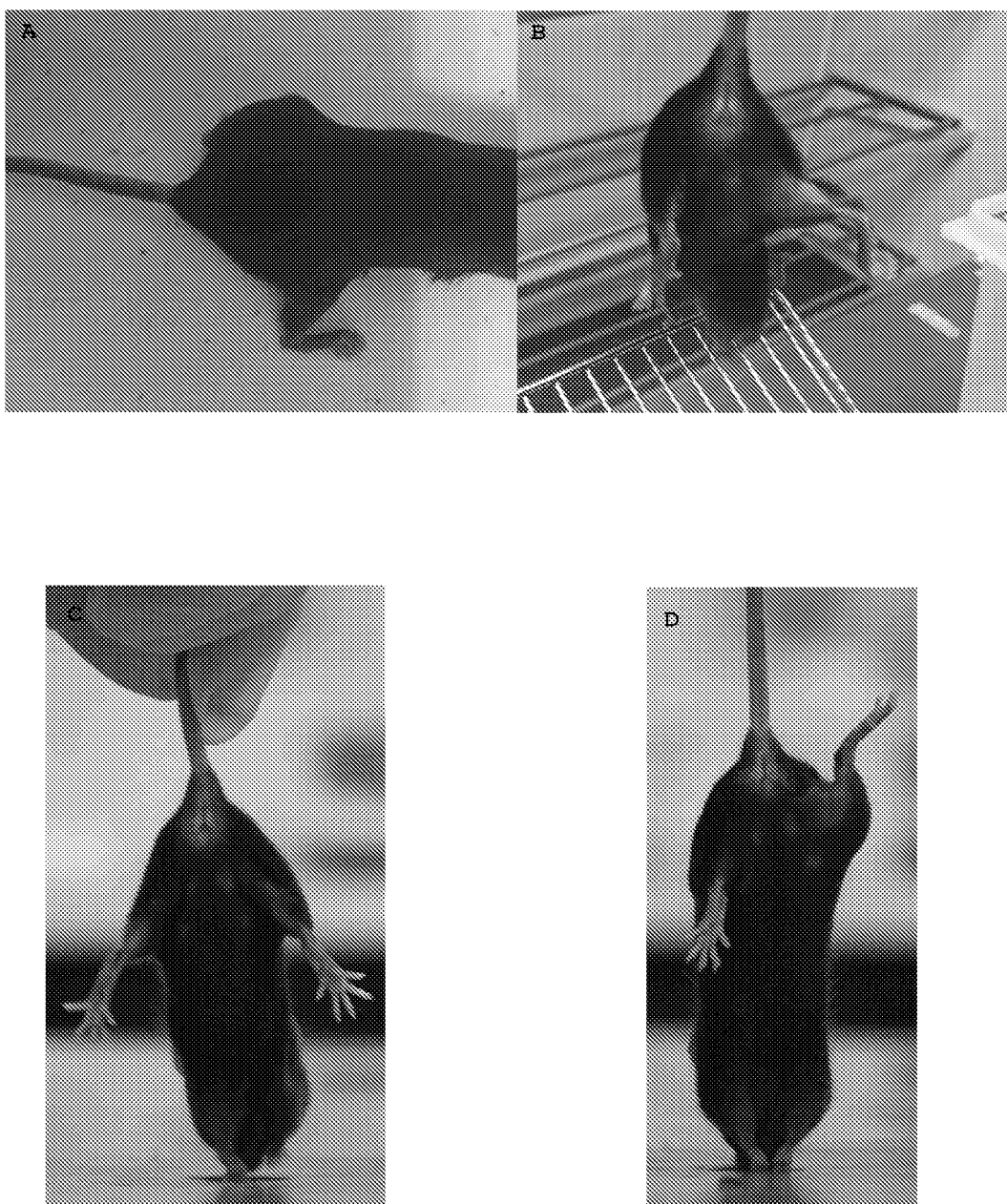
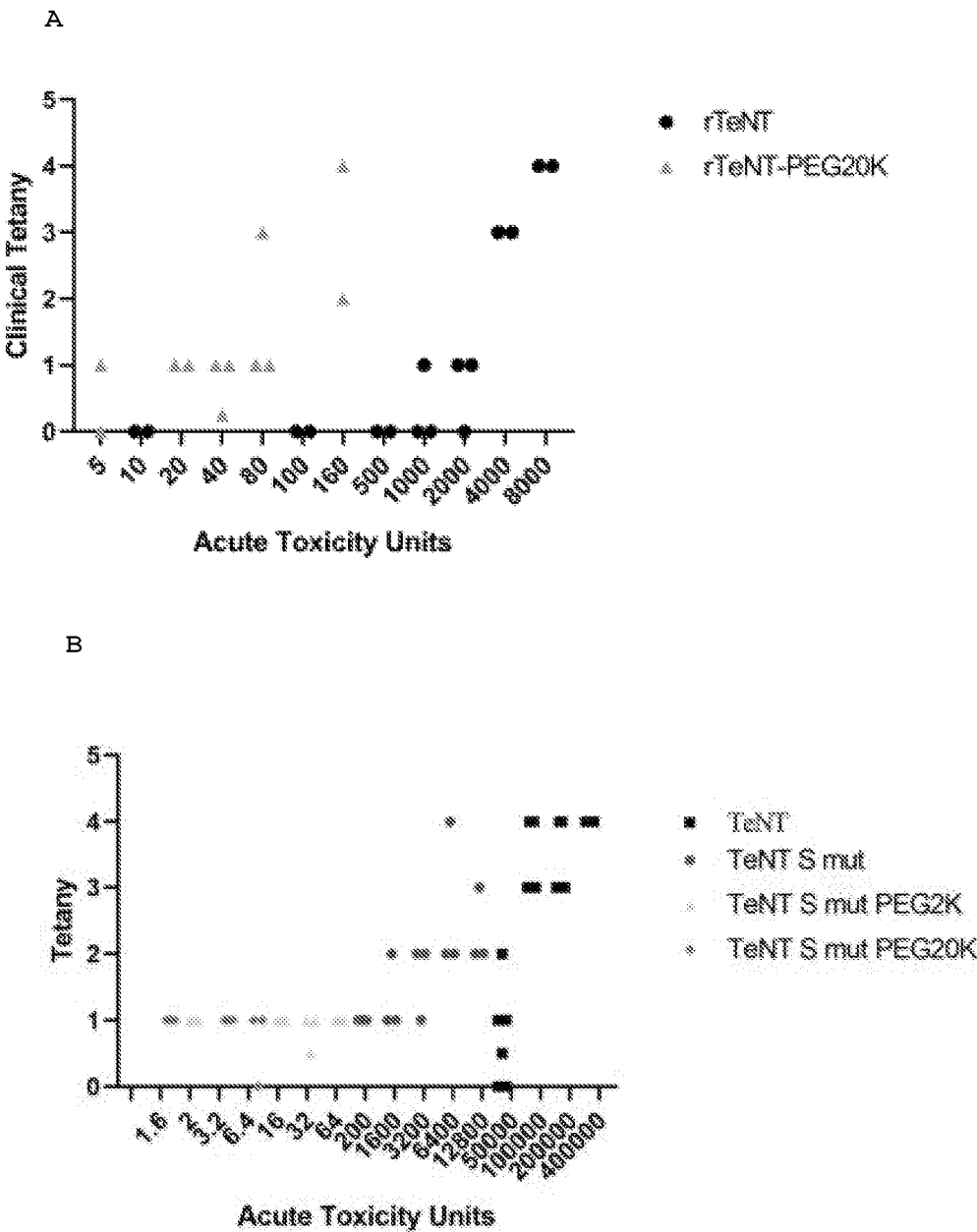


Figure 30.



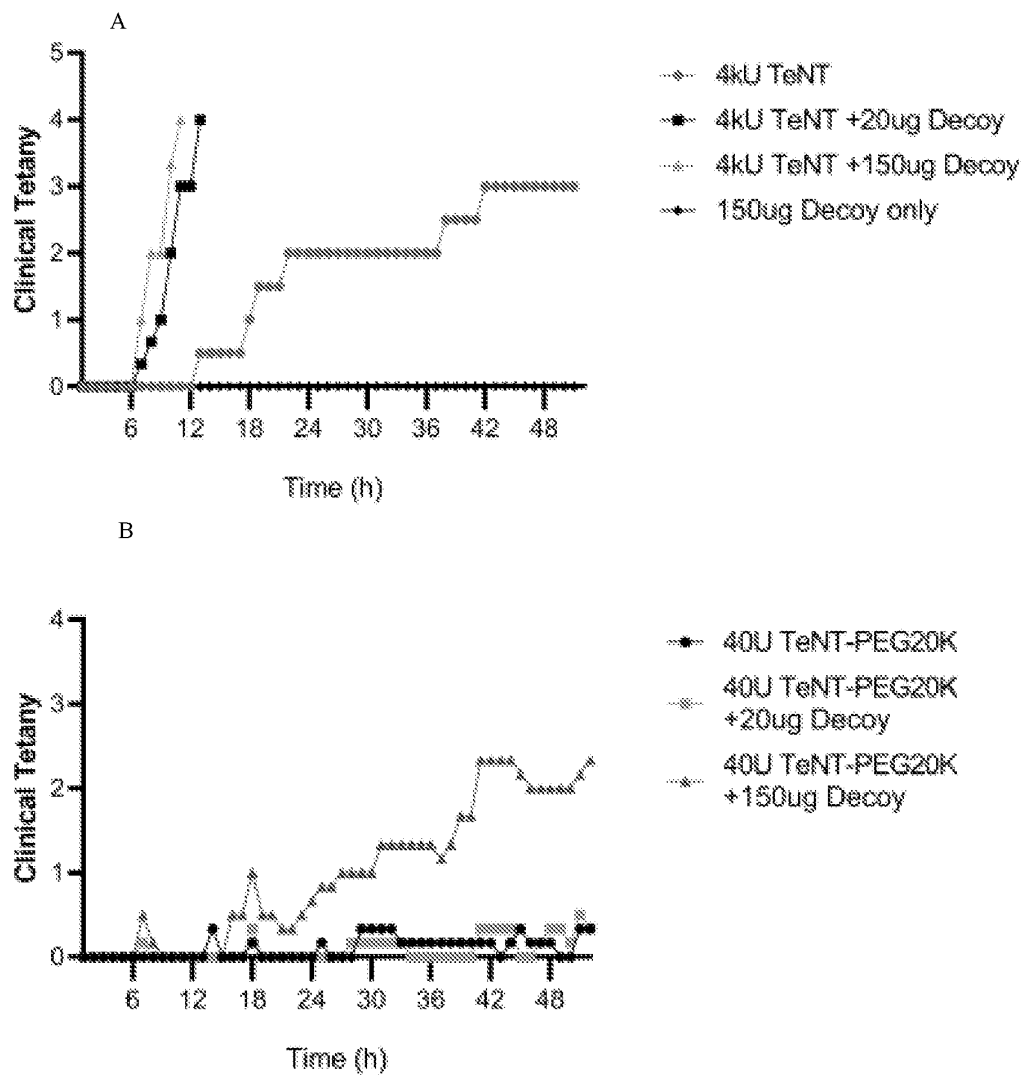


Figure 32.

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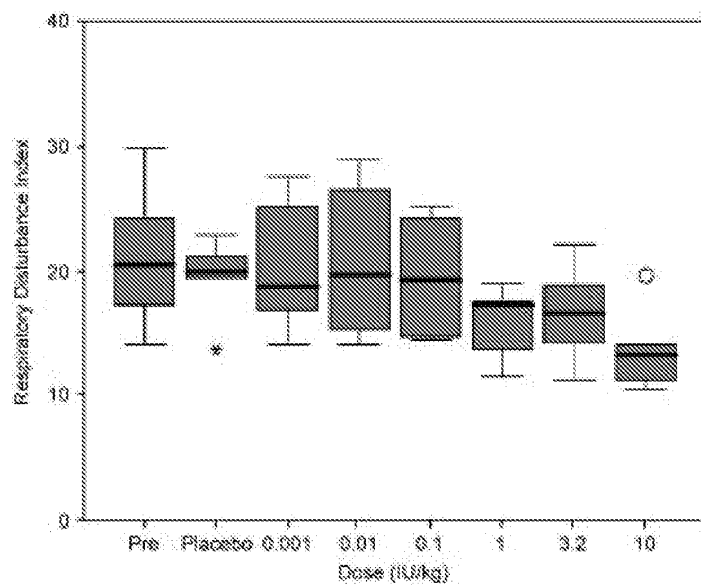


Figure 33.