

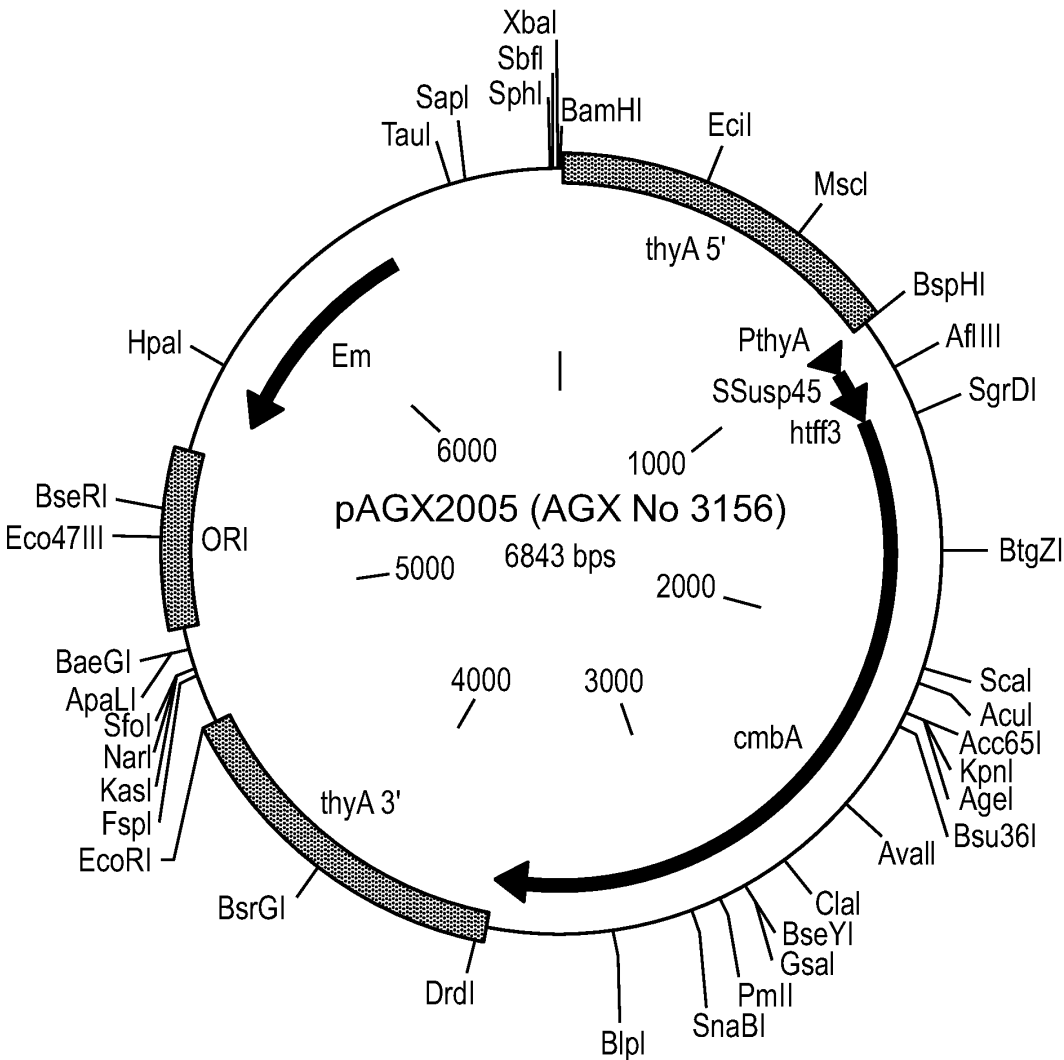


FIG. 1

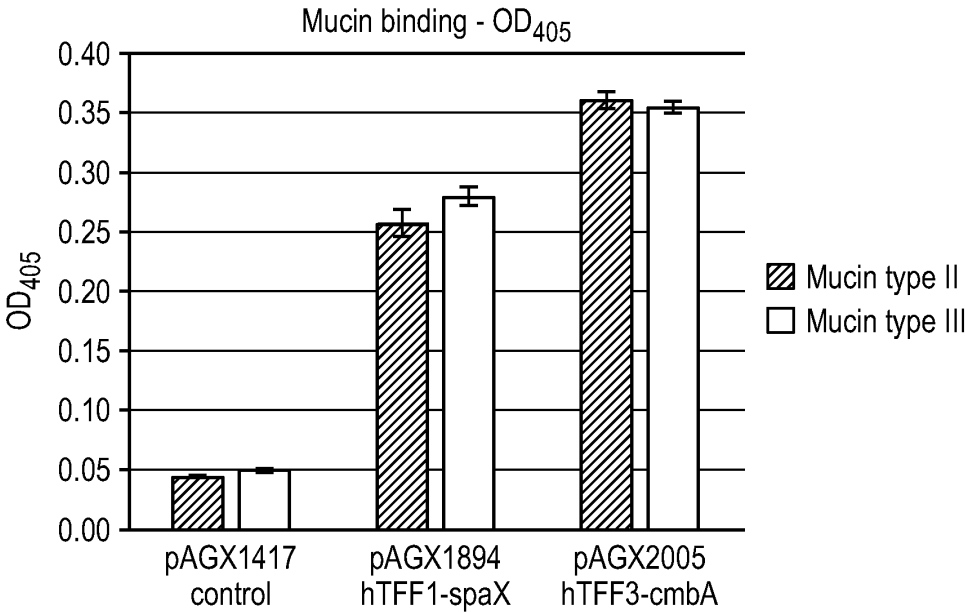


FIG. 2A

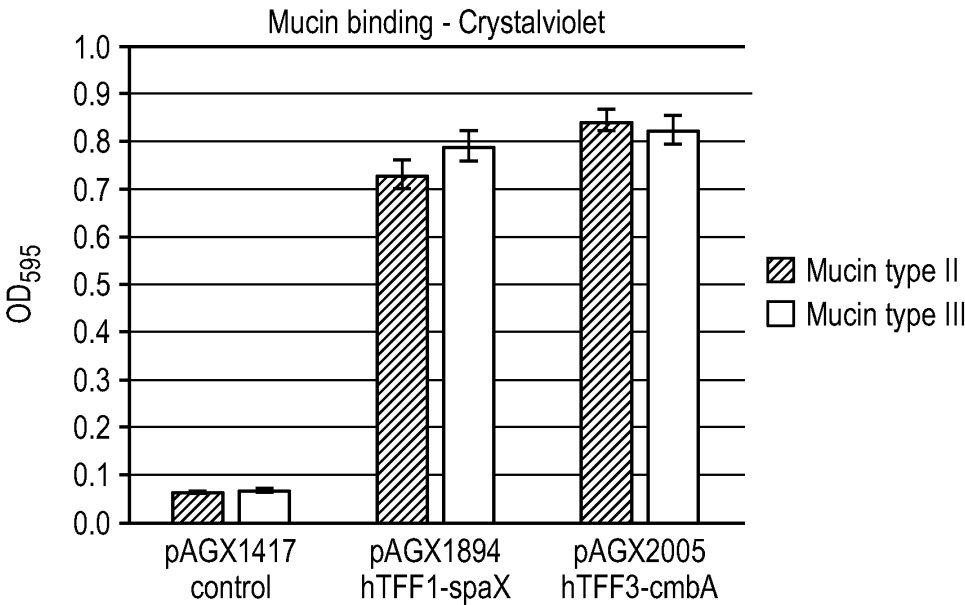


FIG. 2B

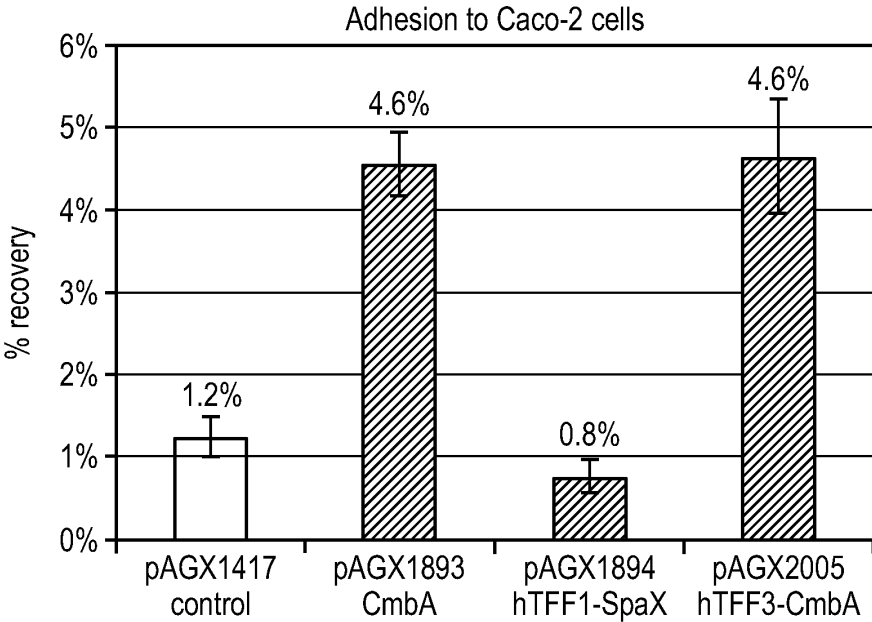


FIG. 3

1 atgaaaaaa agattatctc agctatttta atgtctacag tgatactttc tgctgcagcc
m k k i i s a i l m s t v i l s a a a
>>.....SSusp45.....>

61 ccgttgtcag gtgtttacgc cgaagaatac gttggtcttt cagctaacca atgtgctgtt
p l s g v y a e e y v g l s a n q c a v
>.....SSusp45.....>>
>>.....hTFF3.....>

121 ccagctaaag atcgtgttga ttgtggttac ccacacgtta ctccaaaaga atgtaacaac
p a k d r v d c g y p h v t p k e c n n
>.....hTFF3.....>

181 cgtggttgtt gttttgattc acgtatocca ggtgttccat ggtgttttaa accacttcaa
r g c c f d s r i p g v p w c f k p l q
>.....hTFF3.....>

241 gaagctgaat gtacttttta a
e a e c t f -
>.....hTFF3.....>>

FIG. 4

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1  atgaaaaaaa agattatctc agctatttta atgtotacag tgatactttc tgcgtcagcc coggttgcag gtgtttaagc
   m k k i i s a i l m s t v i l s a a a p l s g v y
>>.....SSusp45.....>
81  cgaagaatac gttggtcttt cagctaacca atgtgtgttt ccagctaaag atcgtgttga ttgtgggttac ccacacgtta
   a e y v g l s a n q c a v p a k d r v d c g y p h v
> SSusp45
>>.....hTFF3.....>
161 ctcaaaaaga atgtaacaac oggtgttgtt gttttgattc acgtatccca ggtgttccat ggtgttttaa accacttcaa
   t p k e c n n r g c c f d s r i p g v p w c f k p l q
>.....hTFF3.....>
241 gaagctgaat gtaacttttg caagatgaca gcaagcagtg agtcaacaag tgttacgtcg acgactgctc aggatggttt
   e a e c t f d t m t a s s e s t s v t s t t a q d g
>.....hTFF3.....>>
>>.....cmbA.....>
321 aaaaaaatot ccacaactot atttgaagt tactgataca aataacccaa gtacaccatt aagtgttca tocacagggg
   l k k s p q l y l q v t d t n n p s t p l s a s t g
>.....cmbA.....>
401 ctagtaagaa tgttaoctca tcagctgcgg tacaagtga gtcgcgtagt gatgaagaag atagtattc tacactagot
   t s k n v t s s a a v q v k s a s d e e d s d s t l a
>.....cmbA.....>
481 aaggagagaa ataaattgc tcggtcagca gtaaaagatt cagtcactga tgggaaaaca agtacagcag aaattaatoc
   k g e n k f a r s a v k d s v t d g k t s t a e i n
>.....cmbA.....>
561 ggcaaaaatta agcagtcctg ctttaataac gcaactcaac caatccttag ctaagagcag tacgagtgtat gcagcaaaag
   p a k l s s p a l i t q l n q s l a k s s t s d a a k
>.....cmbA.....>

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FIG. 5A

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641 ctaatgatga gttagaagaatt aaagcaacag atccgactaa ttatccaaac tgtggcgatg tgtatgggc attatttgaa
   a n d e l e i k a t d p t n y p n c g d v y g p l f e
>.....cmbA.....>

721 ttggatgcta gggacagct tggtaataaa gatgaagtta tatotcttaa agatatgtat atttccaaa tattgaatt
   l d a s g q l v n k d e v i s l k d m y i f q i l k
>.....cmbA.....>

801 agtaaataca aaagatagtg actttcaata tgtaatatata acaatgaatc gtaagataac tgcagatagg totgtatatc
   l v n t k d s d f q y v i l t m n r k d t a d r s v y
>.....cmbA.....>

881 tttttgtaac tggaagcaat tatagtaatg ctgttgttgt taaagtaaaag ccaaatgata cttatgaatt aagtaaaact
   l f v t g s n y s n a v v v k v k p n d t y e l s k t
>.....cmbA.....>

961 ggatatagtg ttacttatac agaaccaaca actataaaatg gacattatgt tgaatgaact ttttatgtta caggaagtac
   g y s v t y t e p t t i n g h y v d g t f y v t g s
>.....cmbA.....>

1041 ttacgatgat ggttttataa tgcagattg gcaactgcag caccttcaaga ttatatatag tttaggaaat tatgatccaa
   t y d d g f i m p d w q l q h l q i i y s l g n y d p
>.....cmbA.....>

1121 gcaatactga cgcaacatca gtttgtgaaa taatgccaag ttatgaaaag gtacgggtaa ttaaatatag tggagtaact
   s n t d a t s v c e i m p s y e k v p v i k y s g v p
>.....cmbA.....>

1201 tcaaatatta gccaaccta ggtttacatt accgggttta cgggtcaaga gtttaacgtt acagatatata ttaacaatta
   s n i s q p k v y i t g f t g q e f n v t d i i n n
>.....cmbA.....>

1281 taagaaggtt tttaagggct actatottca aaatocataat gtgggttoca tgggaactct ttocaaattt gagaatggtg
   y k v f k g y y l q n p n v a s m g t l s q f e n g
>.....cmbA.....>

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FIG. 5B

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1361 gttattactt aaagacatat tatgataatg atggtaatgt tgactttaag ggcttgatc atcaaatga tgatcaggga
    g y y l k t y y d n d g n v d f k g l y h q i d d q g
    >.....cmbA.....>

1441 acaatgagtg tgagtgttct taatgcagat aataaaacaa ttgttgacc tgaataatatt cttgctggt aatcgaataa
    t m s v s v l n a d n k t i v g p e n i l a g k s h
    >.....cmbA.....>

1521 ctttaacttt aatggtcata actggattgc gcggaatcct tatgtcacta gtcagctca cgaagtcata ttaaagtatg
    n f n f n g h n w i a r n p y v t s s a h e v i l k y
    >.....cmbA.....>

1601 ctaagttagg ttcagttatt cctgttgatg aaaacggaaa taaaataaac gatggatggc aatatgttaa tgatccagat
    a k l g s v i p v d e n g n k i n d g w q y v n d p d
    >.....cmbA.....>

1681 gatgttcca aagccactag cccatatgaa aaagccccag ttatcgatgg ttatgtagct gtaaatccag atgaacgat
    d a s k a t s p y e k a p v i d g y v a v n p d e t
    >.....cmbA.....>

1761 cgtttcttct cataacttaa gtagtgacac aaagatttat taocgaaaga ggattaaagt tacctatagt ggtagtgaca
    i v l p h n l s s d t k i y y r k r i k v t y s g s d
    >.....cmbA.....>

1841 gcaagaccta cgatggtaac ccagctaact toagagccaac gacagttcag tggatggct tgaaggact gaacacttca
    s k t y d g n p a n f e p t t v q w s g l k g l n t s
    >.....cmbA.....>

1921 accttaagtg ccgctgactt cactggaat actgoggata agaagccacc aacgatgcc ggtaagtaca cacttagttt
    t l t s a d f t w n t a d k k a p t d a g k y t l s
    >.....cmbA.....>

2001 gaatacgacc ggagaagcag ccttaacgtaa ggctaaccgg aactatgac tcaagacaat tagcggtagt tacacctaca
    l n t t g e a a l r k a n p n y d l k t i s g s y t y
    >.....cmbA.....>

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FIG. 5C

2081 cgattaatcc actagggtt gtgactgtaa attacaagg ctatgataag aaagtatatg atggtcaacc tggaacgatt
t i n p l g i v t v n y k g y d k k v y d g q p g t i
>.....cmbA.....>

2161 aatcgggta aattaacgtg gagtaagtgc ccagatggta cttaattgaa gatgcaaaca tggagttag atgatttcg
n p g k l t w s k l p d g t s l k m p t w s i d d f
>.....cmbA.....>

2241 ttgggaaca gctgatggct tagcaccac gccagtagga acttatogga ttatcttgac ggatgtggt aaggtgcac
a w e t a d g l a p t a v g t y r i l t d a g k a a
>.....cmbA.....>

2321 taaagaagat taatccaaat tatgaactta gcagtattac tgggtgtctt acttatgaaa ttaagccagc acagacacca
l k k i n p n y d l s s i t g v f t y e i k p a q t p
>.....cmbA.....>

2401 gaaatcttag gcaaacacc tgaacaaca ccaggccaaa atactaatca atcaggagct gaaaacggct ttggttcttc
e i l g q t p e q q p g q n t n q s g a e n g f g s
>.....cmbA.....>

2481 tacaaggcct aatgcatcaa ctaactcaa tottaatcaa cttoacaaga ctggtaatga gcattctaat actgcactg
s t r p n a s t n s n l n q l p q t g n e h s n t a l
>.....cmbA.....>

2561 ctggtctagc attgggttct ttgactgcta tgcttggttt gggcaagaag cgtaaacatg attaa
a g l a l a f l t a m l g l g k k r k h d -
>.....cmbA.....>>

FIG. 5D

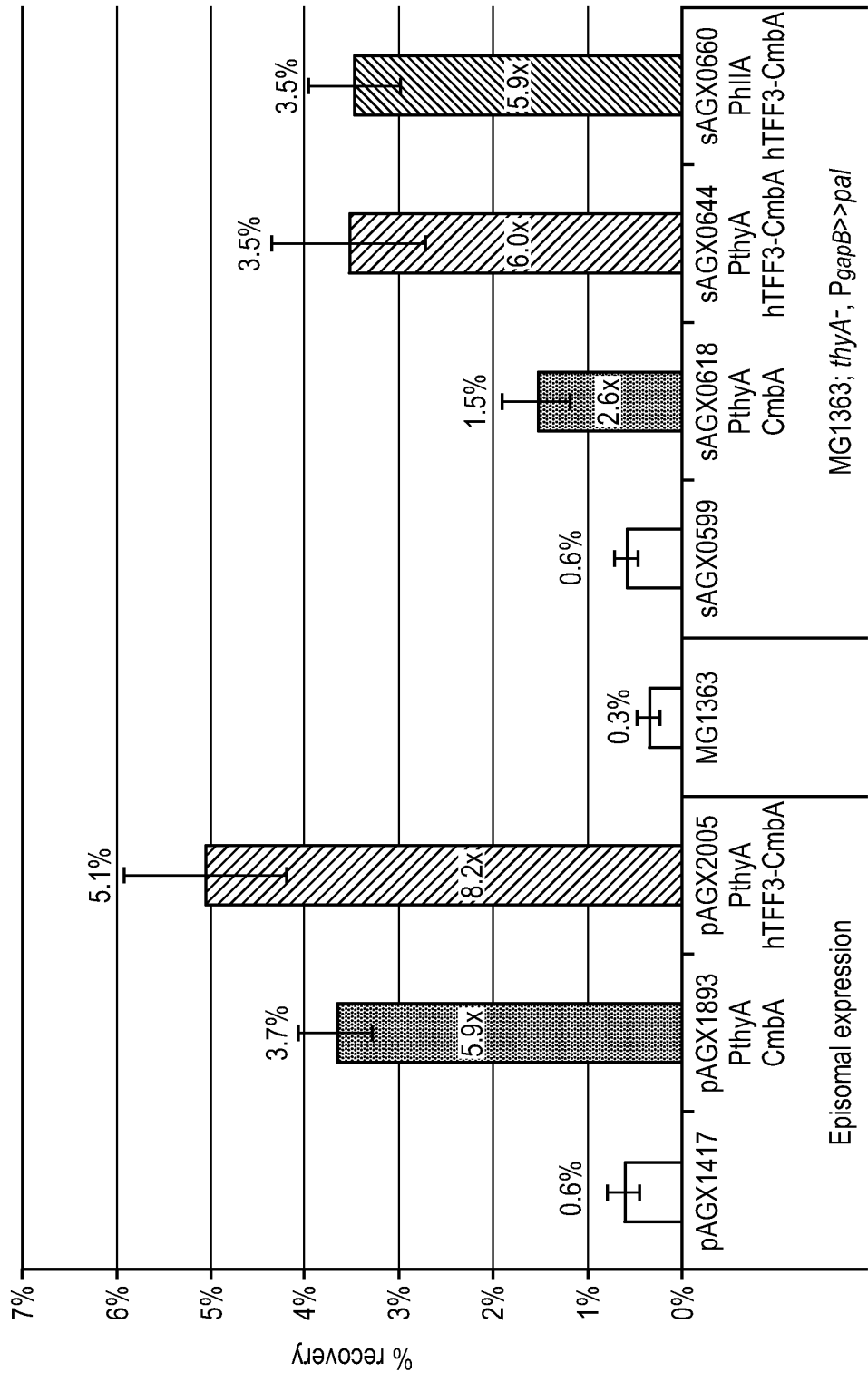


FIG. 6

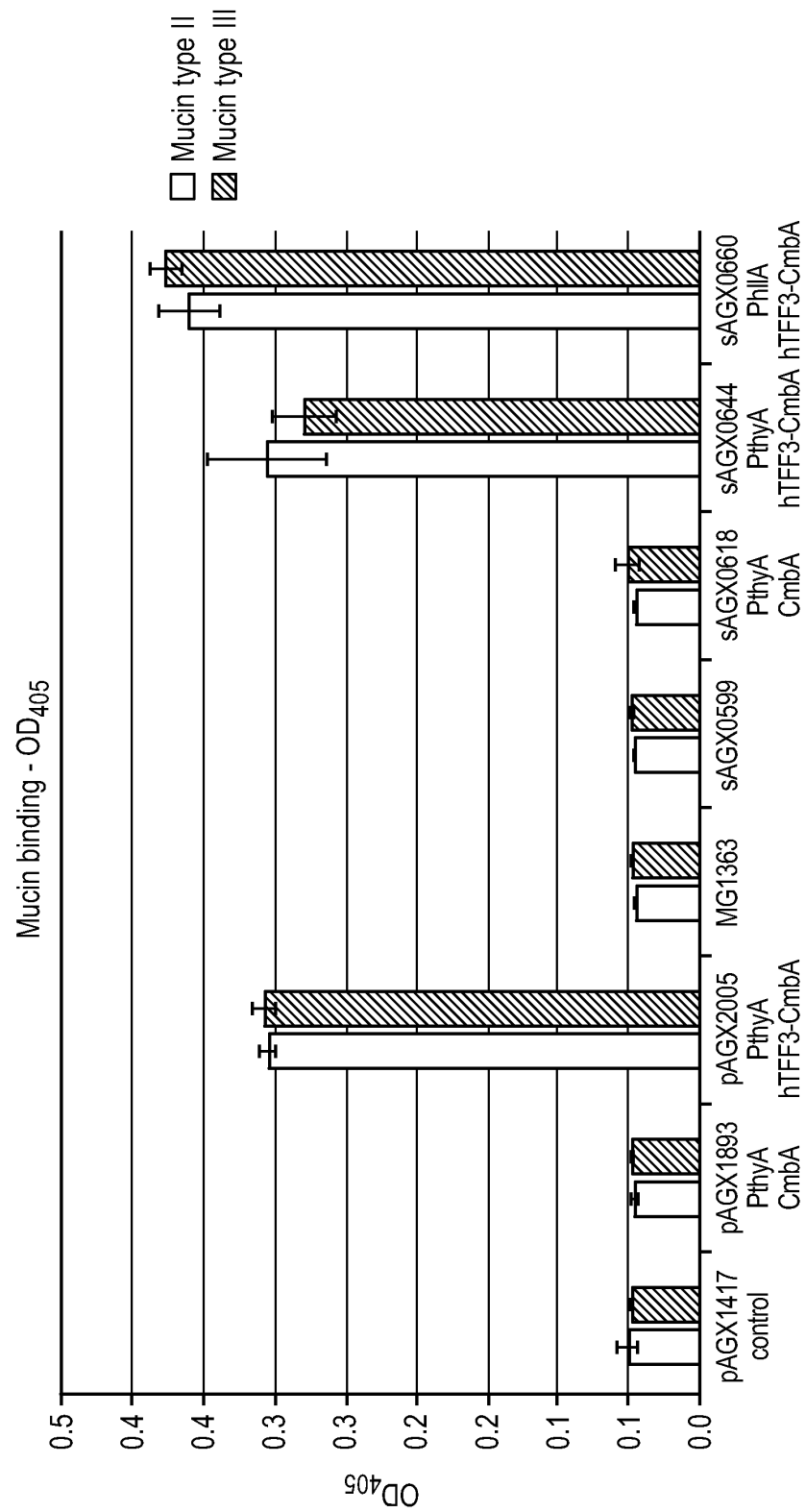


FIG. 7A

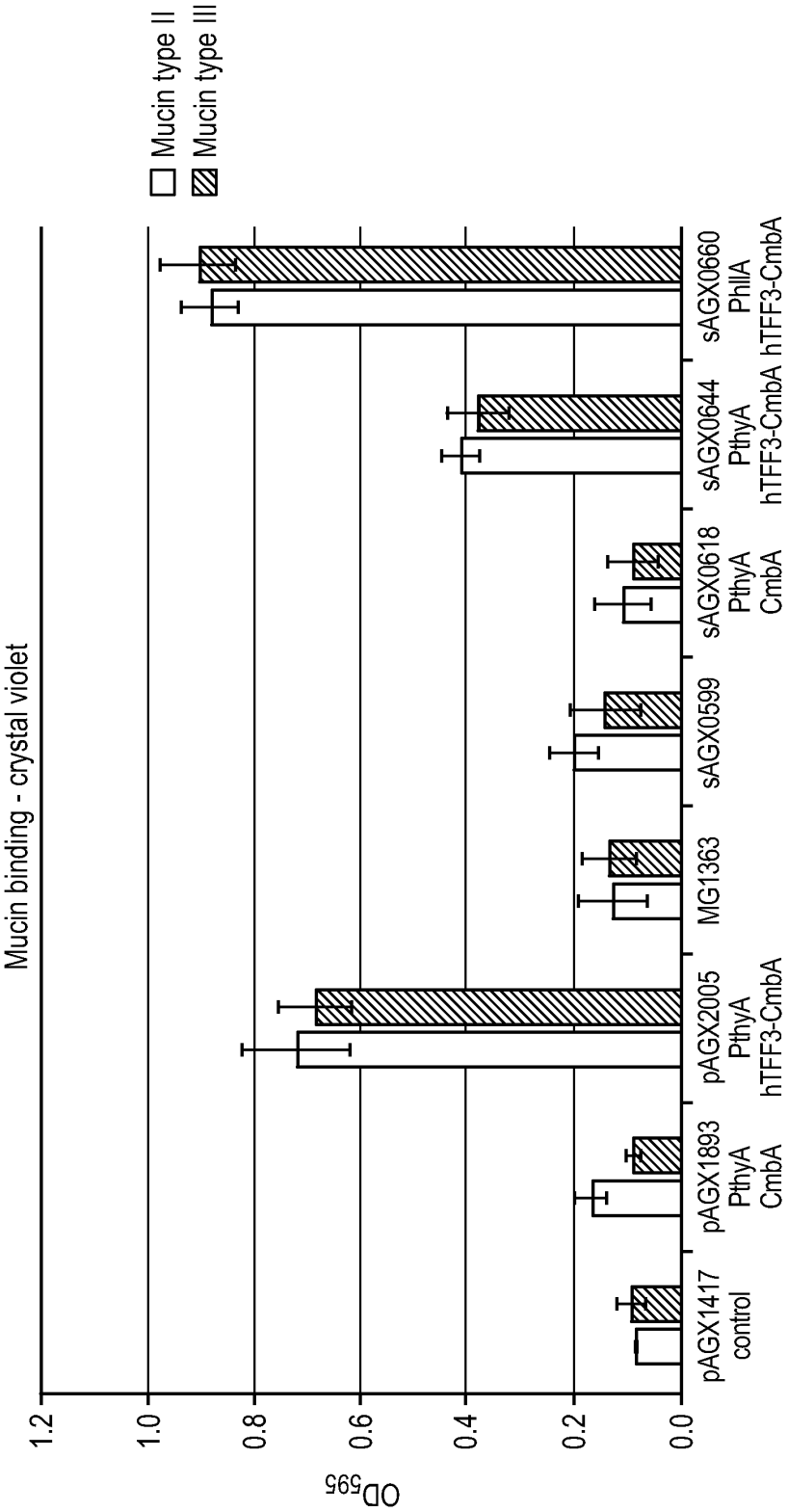


FIG. 7B

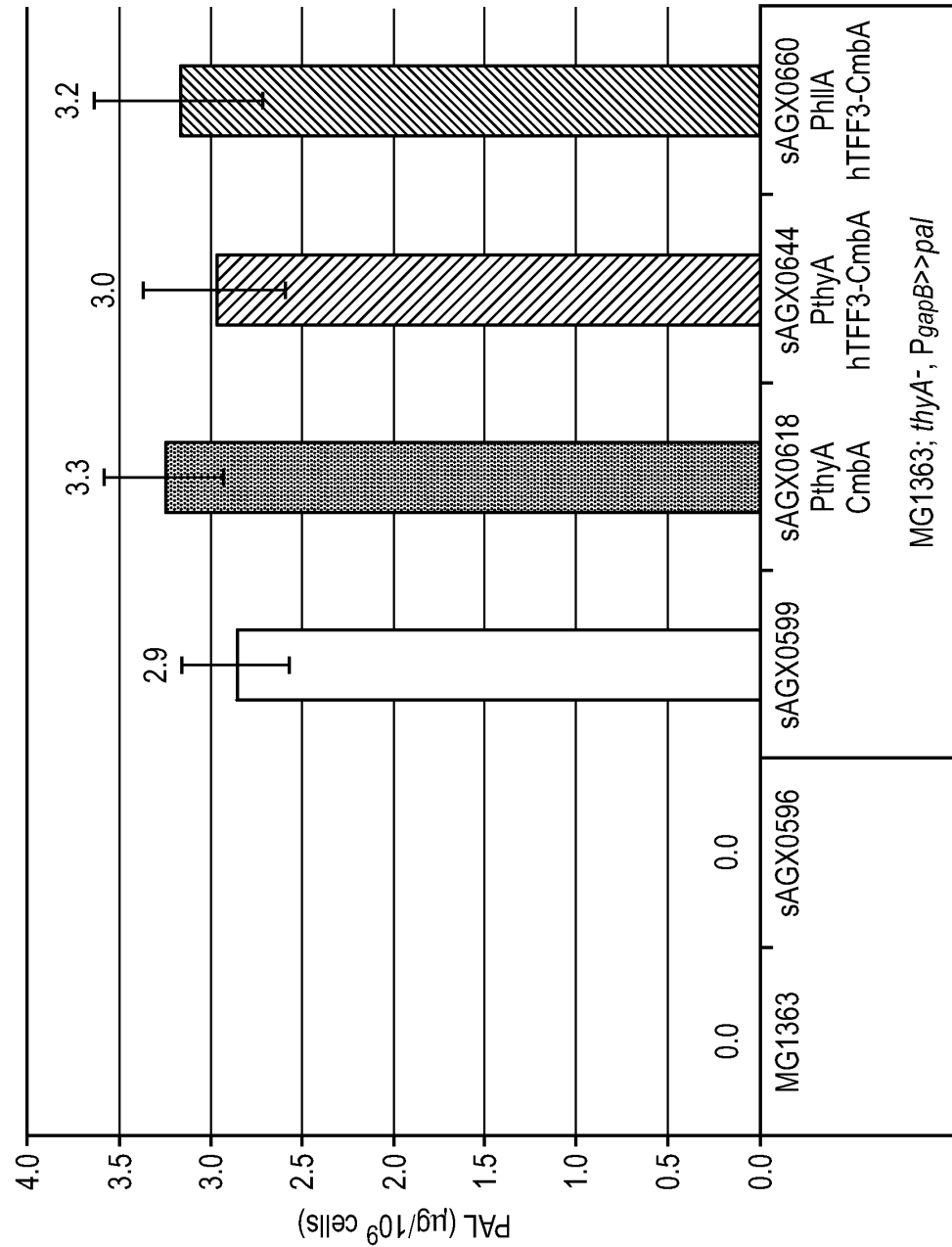


FIG. 8

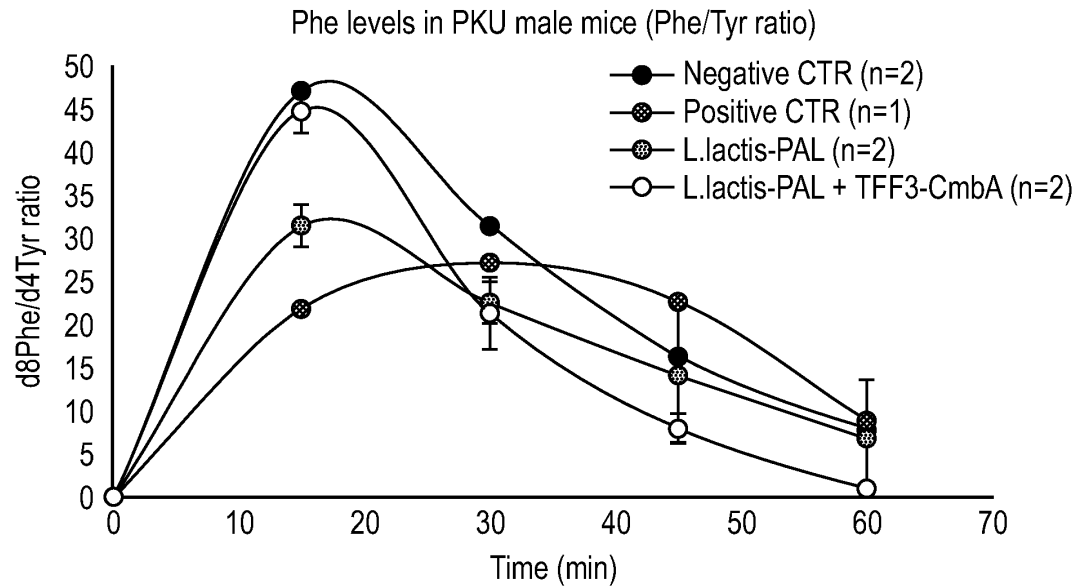


FIG. 9A

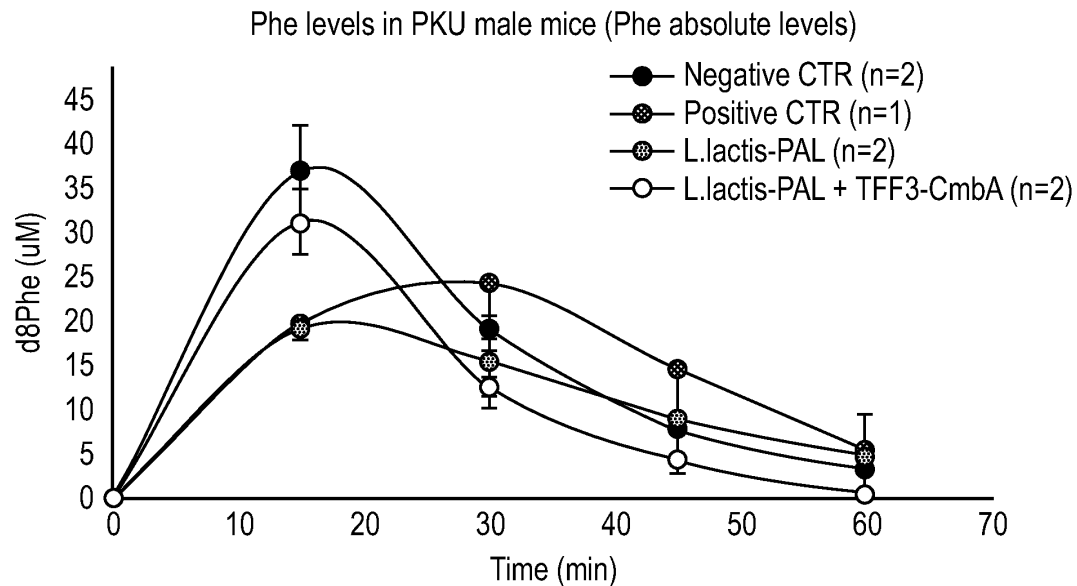


FIG. 9B

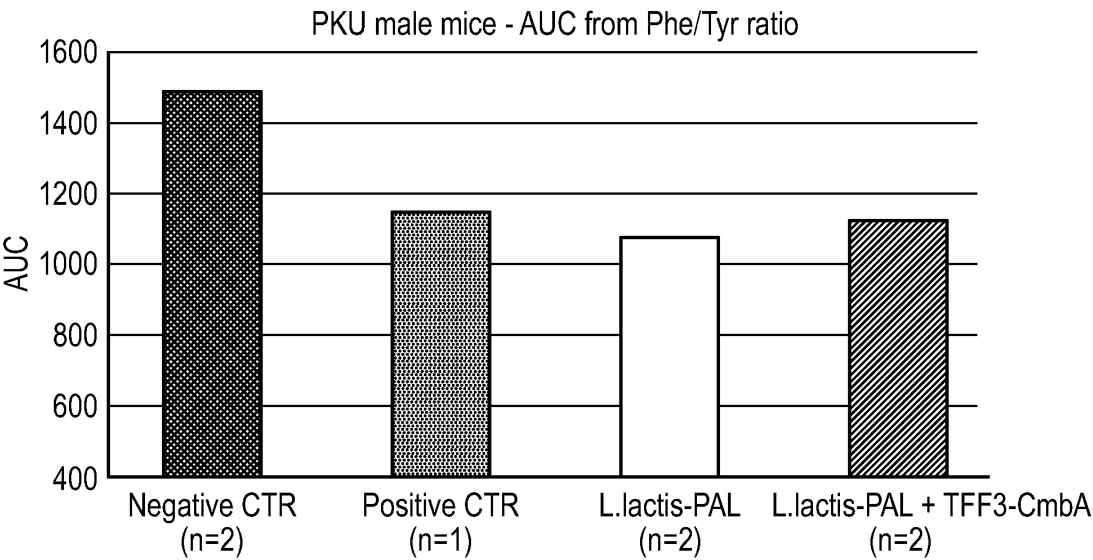


FIG. 9C

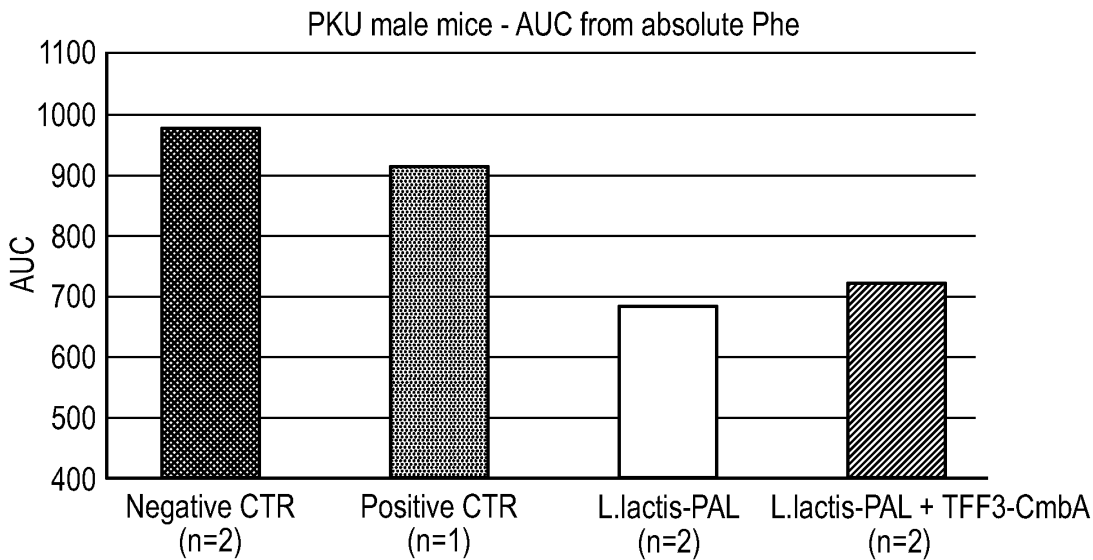


FIG. 9D