

Table S1. DNA sequences, with restriction sites indicated, of the oligonucleotides used in this study

KS133P	<i>SpeI</i>	<i>AgeI</i>
	5' ATTTAATTCAGTAATT CGT GCT CGCAACTAGTT CGAAGCG ACCGG TAGAT ATT GT CATT CCA CT CCC 3'	
KS134P	<i>SpeI</i>	<i>AgeI</i>
	3' TAAATTAAAGTCATTAAGCACGAGCGTTGATCAAGCTTCGCTGGCCATCTATAACA GTAAAGGTGAGGG 5'	
KS155	<i>AgeI</i>	
	5' TATATA <u>CCGGTT</u> AAATATGTCGAAGCGACCAGGAGATATCATC	
KS156	<i>XhoI</i>	
	5' AATATA <u>ACTCGAG</u> CAATGTTATTAAATTGCCAATACTGTCATAGAACG	
KS153	<i>AgeI</i>	
	5' TATATA <u>CCGGTT</u> AAATATGTC <u>ACTG</u> TGACATGGGTAAGAACG	
KS154	<i>XhoI</i>	
	5' AATATA <u>ACTCGAG</u> TTTATTGATTCCA <u>ACTG</u> ACTGAA <u>GT</u> TACACTC	
KS147	<i>BspEI</i>	
	5' AATT CGC GTCCGGATTAAATATGAGGAAATATA <u>CAAGAA</u> ATACG	
KS148	<i>XhoI</i>	
	5' TATATA <u>ACTCGAG</u> TTATTAA <u>AAAAA</u> TAGCATCTACAA <u>TTGCC</u>	
KS138	<i>XhoI</i>	
	5' TATATA <u>ACTCGAG</u> TTATTAA <u>AAAAA</u> TAGCATCTACAA <u>TTGCC</u>	
KS143	<i>AgeI</i>	
	5' CGTACGTA <u>ACCGGTT</u> ATTTGTATAGTTCATCCATGCC	
KS144	<i>SpeI</i>	
	5' CGTACGTA <u>ACTAGT</u> CAACGTTGTCAGATCGT GCT CGGCACC	
KS145	<i>AgeI</i>	
	5' ACTGACTGAC <u>CCGGT</u> CTGAAGGGACGAC <u>CTG</u> C <u>TAAC</u> AGGAG	
KS174	<i>BspEI</i>	
	5' ACTGACTGTC <u>CCGG</u> ACTGAAGGGACGAC <u>CTG</u> C <u>TAAC</u> AGGAG	
KS175	<i>NheI</i>	
	5' ACTGACGTG <u>CTAG</u> CTGTATATTCTGCCAA <u>ATT</u> CGCGACCGG	

Figure S1. Approximate location of PCR primers on pEAQ-HT-GFP, restriction enzyme cloning sites in pBinAYA Δ CP and cloned DNA fragments in pBinAYA Δ CP.

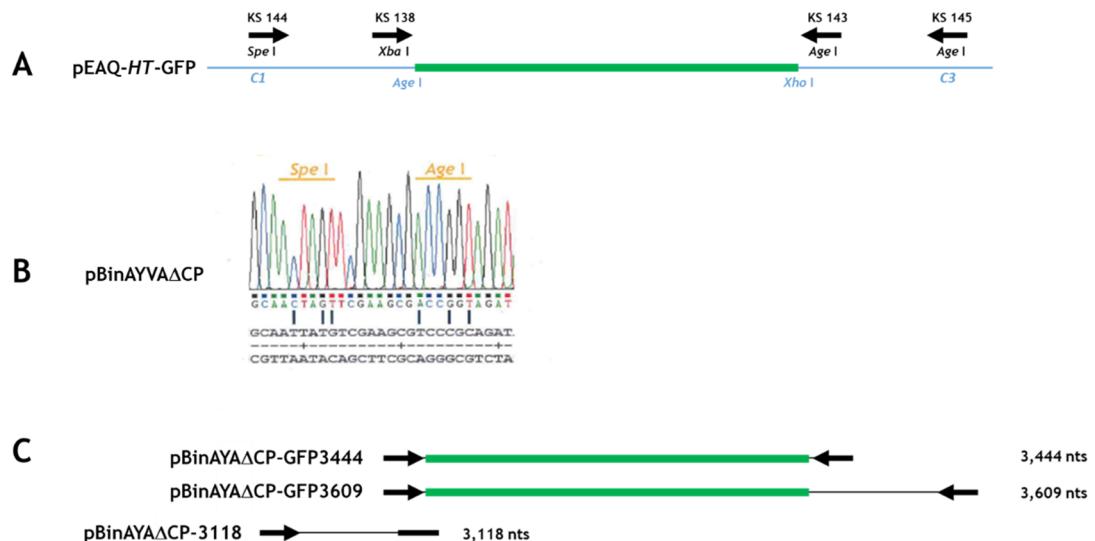


Figure S2. MALDI-TOF analysis of the coat proteins used in this study.

A	KS1 (100%), 29,857.3 Da AYVV CP 20190228 11 exclusive unique peptides, 22 exclusive unique spectra, 39 total spectra, 134/257 amino acids (52% coverage)
	M S K R P A D I V I S T P A S K V R R R L N F D T P V M S R A A A P T V L V T N R R R T W T N R P M Y R K P R L Y R M Y R T P D V P K G C E G P C K V Q S Y E Q R H D I S H V G K V L C V S D V T R G N G L T H R V G K R F C V K S V Y V L G K I W M D E N I K T K N H T N T V M F Y L V R D R R P F G T A M D F G Q V F N M Y D N E P S T A T I K N D L R D R Y Q V L R K F T S T V T G G Q Y A S K E Q A L V K K F M K I N N Y V V Y N H Q E A A K Y D N H T E N A L L L Y M A C T H A S N P V Y A T L K I R I Y F Y D S V Q N
B	KS2 (100%), 30,192.6 Da ACMV CP 20190228 13 exclusive unique peptides, 28 exclusive unique spectra, 34 total spectra, 144/258 amino acids (56% coverage)
	M S K R P G D I I I S T P G S K V R R R L N F D S P Y R N R A T A P T V H V T N R K R A W V N R P M Y R K P T M Y R M Y R S P D I P R G C E G P C K V Q S F E Q R D D V K H L G I C K V I S D V T R G P G L T H R V G K R F C I K S I Y I L G K I W L D E T I K K Q N H T N N V I F Y L L R D R R P Y G N A P Q D F G Q I F N M F D N E P S T A T I K N D L R D R F Q V L R K F H A T V V G G L Y C M K E Q A L V K R F Y R L N H H V T Y N H Q E A G K Y E N H T E N A L L L Y M A C T H A S N P V Y A T L K I R I Y F Y D S I G N
C	KS3 (100%), 27,056.4 Da BeYMV CP 20190228 13 exclusive unique peptides, 19 exclusive unique spectra, 24 total spectra, 131/245 amino acids (53% coverage)
	M S T V T W G K K R K R S G G D S K A K S R G S S Y I P R S V S S R R E S L Q V A T F S W T S S G S G I K F S P G G A A Y L V S N F P Q G A N D N C R H T N K T V L Y K F M A K N T I Y L D S S H Y M K V F R A P F H F W L V Y D K S P G A N V P S T G D I F E G P S L F P H N P W T W T V S R A A C H R F V V K K T W S C V V E S N G I D P T K G Q G A T Y Y G P G P C N Q V K S C N K F F K R L G V S T E W K N S A T G D V G D I K E G A L Y I V G A P S Q K S D V Y V N G Y F R V Y F K S V G N Q
D	KS4 (100%), 29,608.0 Da BCTV CP 20190228 6 exclusive unique peptides, 6 exclusive unique spectra, 14 total spectra, 103/254 amino acids (41% coverage)
	M R K Y T R N T Y T M S Q K R K V N P Q S A W P K K R R T S T T S R K Y Q W R R P V T K N R T L K L K M Y D D M L G A G G I G S T I S N N G M I T M L N N Y V Q G I G D S Q R A K N V T V T K H L K F D M A L M G S S Q F W E T P N Y M T Q Y H W I I I D K D V G S V F P T K L S S I F D I P D N G Q A M P S T Y R I R R D M N E R F I G K K K W R T H W M S T G T G Y G G K E T Y K A P S M P N Y K K P M N I N V R N L N M R T I W K D T G G G K Y E D V K E N A L L Y V V V N D N T D N T N M Y A T L F G N C R C Y F Y