

## Amino acid sequences of recombinant proteins

### Color codes:

CP of PhMV (N-terminal a.a. deleted in PhMV\_del proteins are underlined)

M2e peptide

GS-rich linker

#### PhMV

MRGSHHHHHHGS DIGP DSSEVVVKVKQASIPAPGSILSQPNTEQSPAIVLPFQFEATTFGTAETA  
AQVSLQTADPITKLTAPYRHAQIVECKAILTPTDLAVSNPLTVYLAWVPANSPATPTQILRVY  
GGQS FVLGGAISAAKTIEVPLNLDSVNRMLKDSVTYTDTPKLLAYS RAPTNPSKIPTASIQISGR  
IRLSKPMLIAN

#### 4M2eh-PhMV

MRGSHHHHHHGS DL SLLTEVETPIRNEWGSRSDSSD DL SLLTEVETPIRNEWGSRSDSSD D  
L SLLTEVETPIRNEWGSRSDSSD DL SLLTEVETPIRNEWGSRSDSSD DIGP DSSEVVVKVKQAS  
IPAPGSILSQPNTEQSPAIVLPFQFEATTFGTAETA AQVSLQTADPITKLTAPYRHAQIVECKAI  
LTPTDLAVSNPLTVYLAWVPANSPATPTQILRVYGGQS FVLGGAISAAKTIEVPLNLDSVNRM  
LKDSVTYTDTPKLLAYS RAPTNPSKIPTASIQISGRIRLSKPMLIAN

#### 19s-4M2eh-19s-PhMV

MRGSHHHHHHGS GTSGSSGSGSGSGGGG EL SLLTEVETPIRNEWGSRSDSSD DL SLLTE  
VETPIRNEWGSRSDSSD DL SLLTEVETPIRNEWGSRSDSSD DL SLLTEVETPIRNEWGSRN  
DSSD DI GTSGSSGSGSGSGGGG P DSSEVVVKVKQASIPAPGSILSQPNTEQSPAIVLPFQFE  
ATTFGTAETA AQVSLQTADPITKLTAPYRHAQIVECKAILTPTDLAVSNPLTVYLAWVPANSP  
ATPTQILRVYGGQS FVLGGAISAAKTIEVPLNLDSVNRMLKDSVTYTDTPKLLAYS RAPTNPSK  
IPTASIQISGRIRLSKPMLIAN

#### PhMV\_del

MRGSHHHHHHGS DIGP GTAE TAAQVSLQTADPITKLTAPYRHAQIVECKAILTPTDLAVSNP  
LTVYLAWVPANSPATPTQILRVYGGQS FVLGGAISAAKTIEVPLNLDSVNRMLKDSVTYTDTP  
KLLAYS RAPTNPSKIPTASIQISGRIRLSKPMLIAN

#### 4M2eh-PhMV\_del

MRGSHHHHHHGS DL SLLTEVETPIRNEWGSRSDSSD DL SLLTEVETPIRNEWGSRSDSSD D  
L SLLTEVETPIRNEWGSRSDSSD DL SLLTEVETPIRNEWGSRSDSSD DIGP GTAE TAAQVSL  
QTADPITKLTAPYRHAQIVECKAILTPTDLAVSNPLTVYLAWVPANSPATPTQILRVYGGQS F  
VLGGAISAAKTIEVPLNLDSVNRMLKDSVTYTDTPKLLAYS RAPTNPSKIPTASIQISGRIRLSKP  
MLIAN

#### 19s-4M2eh-19s-PhMV\_del

MRGSHHHHHHGS GTSGSSGSGSGSGSGGGGEL SLLTEVETPIRNEWGSRSDSSD DL SLLTE  
VETPIRNEWGSRSDSSD DL SLLTEVETPIRNEWGSRSDSSD DL SLLTEVETPIRNEWGSRN  
DSSD DI GTSGSSGSGSGSGSGGGGGP GTAEATAAQVSLQTADPITKLTAPYRHAQIVECKAILT  
PTDLAVSNPLTVYLAWVPANSPATPTQILRVYGGQS FVLGGAISAAKTIEVPLNLDSVNRMLK  
DSVTYTDTPKLLAYS RAPTNPSKIPTASIQISGRIRLSKPMLIAN