

A

monocot	JgULV A N T T Q R G I R L R R R V V R S R R T SULV A N T T Q R G I R L R K R V V R R P R R EMaV A T T T Q R G I R V R R R V V R R R R A MULV A I T T Q R G I R I R K R V V R T R R R T TULV A I T T Q R G I R I R K R V V R T R R R T OULV A N R S A K G I R L R K R V V R R R R R CY2 A N R T K K G I R V R K R V V R R L R R P FULV A N R S K K G I R L R K R V V R R P R R P PULV A N K R S R G F R V A K R V V R P S R K R * : * * * ; * : * * * * *
---------	---

Nucleolar localization signal (NoLS)

B

PLRVCP V Q Q P R R R R Q S L R R R A N R V Q P V V M V T A P G Q P R R R R R R G G N R R S R R T G V P R G R G
BYDVCP R R G P R R A N Q N G P R R S R R T I R P V V V V Q P N R A G P R R R N G R R S G R R G P N S I P G S T G
SeMVCP L E T P P Q P K A G R R R N R R R Q R V Q Q L Q

S6 Fig. ORF5 protein contains a NoLS. A. NoLS (underlined) at the N-terminal region of ORF5 proteins in Class 2 ULVs. Asterisks denote conserved amino acids. Sequence was predicted using NoLStradamus;
<http://www.moseslab.csb.utoronto.ca/NoLStradamus/>. **B.** NoLS (underlined) at the N-terminal region of CPs of viruses from polerovirus (PLRV), luteovirus (BYDV), and sobemovirus (SeMV) genera.