

ORIGINAL RESEARCH ARTICLE

Evaluation of chicken egg yolk immunoglobulin Y-based ELISA for serodiagnosis of hepatitis E virus in swine

Supplementary File S2



Figure S1. Antigenicity prediction of candidate sequences using VaxiJen v2.0

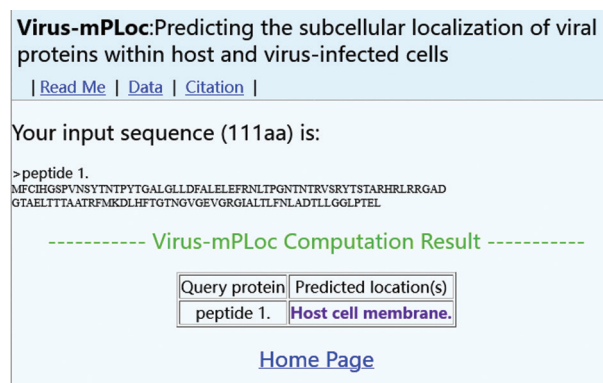


Figure S2. Predicted subcellular localization of peptide 1 using Virus-mPLOC

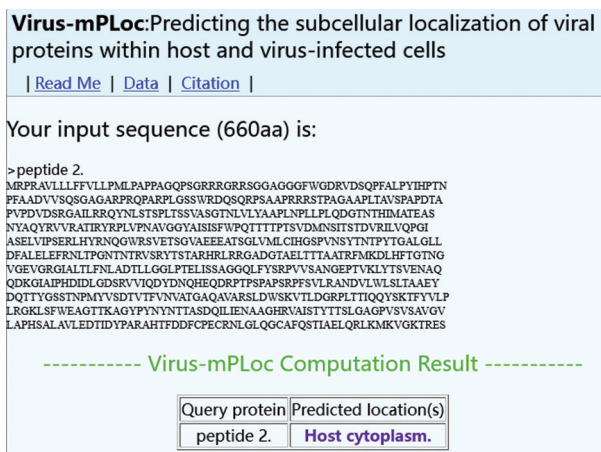


Figure S3. Predicted subcellular localization of peptide 2 using Virus-mPloc

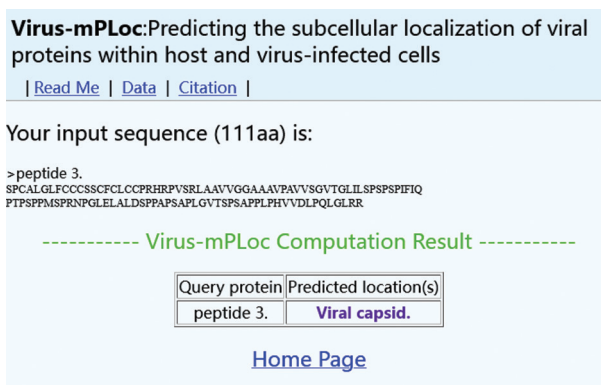


Figure S4. Predicted subcellular localization of peptide 3 using Virus-mPloc

Table S1. Antigenic peptide epitopes were generated using the CLUSTAL Omega algorithm within the BioEdit software

Peptide no	Peptide sequence
Peptide 1	MFCIHGSPVNSYTNTPYTGAALGLLDFALELEFRNLTPGNTNTRVSRYTSTARHRLRRGADGTAELTTAATRFMKDLHFTGTNGVGEVGRGIALTLFNLADTLGGLPTEL
Peptide 2	MRPRAVLLFFVLLPMLPAPPAGQPSGRRRGRSSGGAGGGFWGDRVDSQPFALPYIHPTNPFADVVVSQSGAGARPRQPAPLGLSSWRDQSRPSAAPRRRSTPAGAAPLTAVSPAPDTAPVPDVSRRGAILRRQYNLSTSPLTSSVAGTNLVLYAAPLNPLLQDGTNTHMATEASNYAQYRVRATIRIRPLVNAVGGYAISSIFWPQTTTTPTSDMNSITSDVRILVQPGIASELVIPSERLHYRNQGWRSVETSGVAEEAATSGVLMCIHGSPVNSYTNTPYTGAALGLLDFALELEFRNLTPGNTNTRVSRYTSTARHRLRRGADGTAELTTAATRFMKDLHFTGTNGVGEVGRGIALTLFNLADTLGGLPTELISSAGGQLFYSRPVVSANGEPTVKLYTSVENAQDQDKGIAIPHDIDLGDSRVVIQDYDNQHEQDRTPSPAPSRPFSVLRANDVWLSLTAAYEYDQTTYGSSSTNPMYVSDTVTFVNVATGAQAVARSLDWSKVTLDRPLTTIQYKTFYVLPRLGKLSFWEAGTTKAGYPYNYNTTASDQILIENAAAGHRVAISTYTTSLGAGPVSVAAGVGVLAPHSALAVLEDITIDYPARAHTFDDFCPECRNLGLQGCAFQSTIAELQRLKMKVKGKTRES
Peptide 3	SPCALGLFCCSSCFCLCCPRHRPVSRLAAVVGAAAVPAVVSQVTLGLLSPSPSIFIQPTSPSPMSPRNPGLELALDSPAPSAPLGVTSAPSAPLPHVVDLPQLGLRR