

7. The virion protein gene of tymoviruses may be amplified using the tymobox primer. The 3'-terminus of genomic RNA is polyadenylated by standard methods, then a synthetic dTnG primer (usually  $n = 8$ ) used to prime synthesis of first strand cDNA. The virion protein gene can then be specifically amplified by the polymerase chain reaction using a dTnG primer and the tymobox primer. The resulting fragment, which is ca. 700 bp in size, can be cloned into the *Sma*I site of M13mp18 or the *Eco*RV site of Bluescript SKT for sequencing.

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