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-11:

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[1].

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(emerging)

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[2].

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[3].

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[4].

6

3

in vitro

37-38

(
5-7 .)

5-6

25 ± 2

16

19-20⁰

5 Lx

15-20

(1 /)

(0,4 /)

(0,5 /).

().

10-12

() [5].

3

PVY, PVX, PVM, PVS, PLRV.

PVX, PVY, PVS, PVM, PLRV

PVM, PVM,

-1

PLRV.

0,1

0605
1

, 0,0185

, 0,05

(50 0,292

20 ,

1,5

20

5

(

700

500

5

10000 /

(500)

500

8

30

+4°

20

10000 /

70%

(500-700)

10

10000 /

20-30

1%

- RNAase Zapp (

Sigma)

-2, 10, 6, 3, -60, (70-90%), -3.
 : PVX - 23, PVY - 15, PVM - 21.

(ring tests),
 (.).

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