

-continued

<210> SEQ ID NO 21  
 <211> LENGTH: 61  
 <212> TYPE: DNA  
 <213> ORGANISM: Artificial sequence  
 <220> FEATURE:  
 <223> OTHER INFORMATION: primer SN-Fj

<400> SEQUENCE: 21

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gtagactccg cacgaagaag c 61

<210> SEQ ID NO 22  
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 <220> FEATURE:  
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<400> SEQUENCE: 22

gcgcggatcc tagtagtatg ctccgcagga ac 32

What is claimed is:

1. An isolated nucleic acid comprising SEQ ID NO: 6.
2. A DNA fragment which encodes a Hantaan hantavirus M gene segment and the sequence according to claim 1.
3. A DNA fragment which encodes a Seoul hantavirus M gene segment and the sequence according to claim 1.
4. A DNA fragment which encodes an Andes hantavirus M gene segment and the sequence according to claim 1.
5. A recombinant DNA construct comprising:
  - (i) a vector,
  - (ii) at least one hantavirus M gene nucleic acid fragment, and
  - (iii) the isolated nucleic acid of claim 1.
6. The recombinant DNA construct of claim 5 wherein said construct is pWRG/SEO-M set forth in SEQ ID NO:3.
7. The recombinant DNA construct of claim 5 wherein said construct is pWRG/HTN-M(x) set forth in SEQ ID NO:7.
8. The recombinant DNA construct of claim 5 wherein said construct is pWRG/AND-M(x) set forth in SEQ ID NO:8.
9. The recombinant DNA construct of claim 5 wherein said construct comprises two said hantavirus M gene nucleic acid fragments.
10. The recombinant DNA construct of claim 9 wherein said construct is pWRG/HA-M set forth in SEQ NO:9.
11. A DNA fragment which encodes a hantavirus M gene segment encoding G1 and the nucleic acid sequence comprising SEQ ID NO:6.

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