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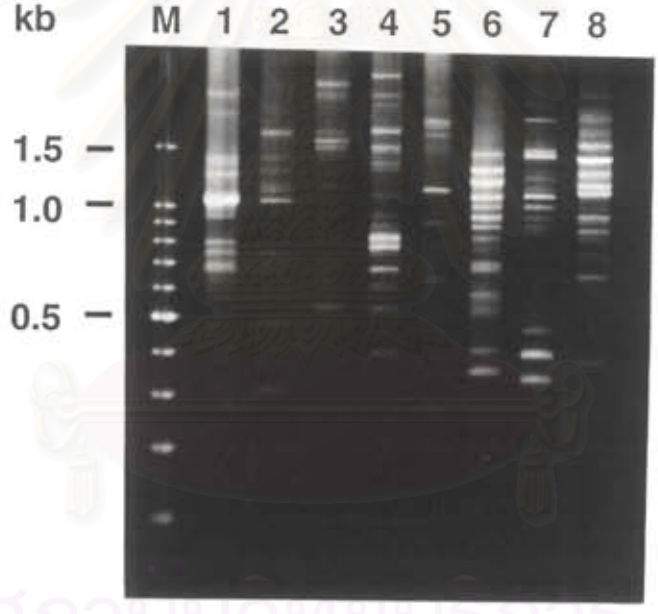
APPENDIX 1

Amplification patterns of *P. monodon* genomic DNA using various RAPD primers from Operon Technologies

Appendix 1.1

Using Kit A primers

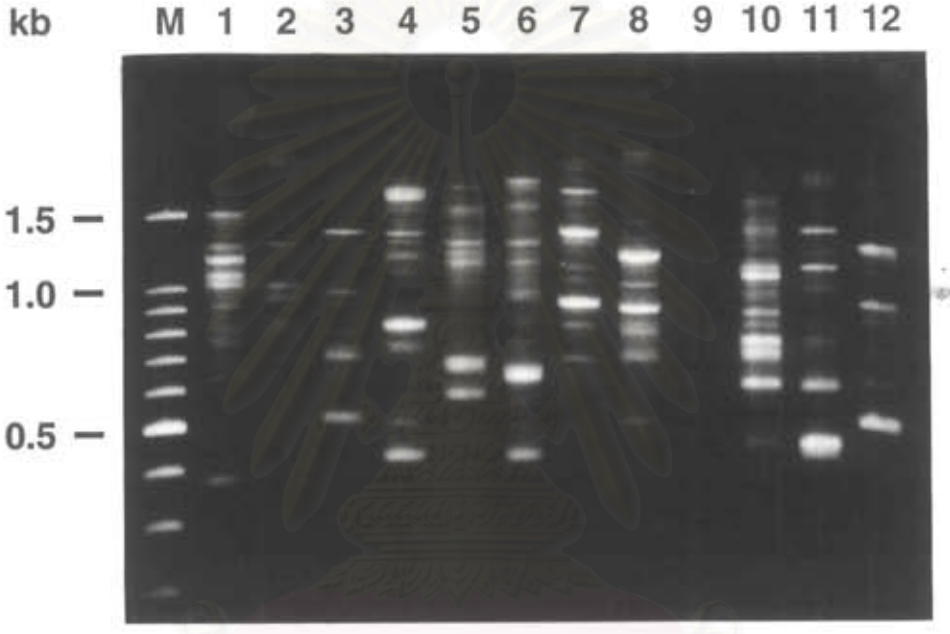


lane M : a 100 bp DNA ladder

lanes 1-8 : results from primers OPA-13 to OPA-20, respectively

Appendix 1.2

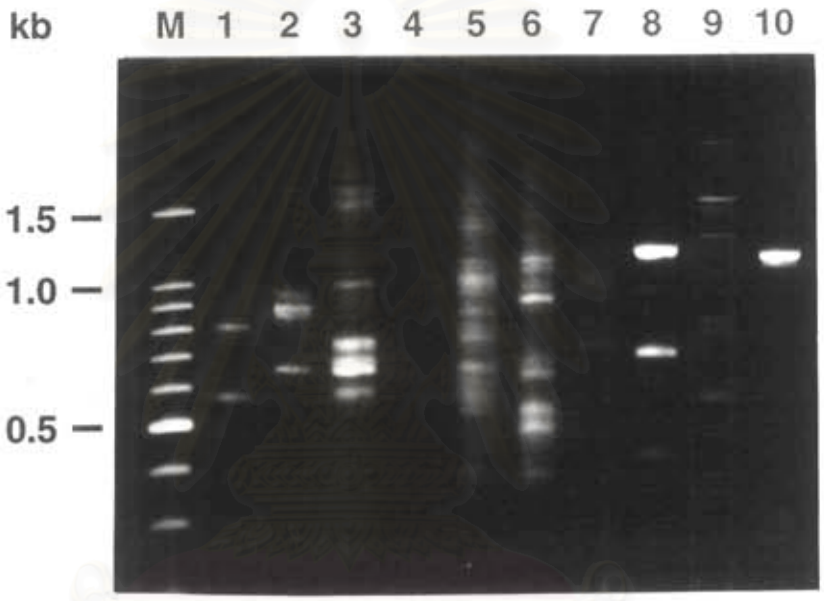
Using Kit B primers



lane M : a 100 bp DNA ladder

lanes 1-12 : results from primers OPB-01 to OPB-12, respectively

Appendix 1.2 (continued)



lane M : a 100 bp DNA ladder

lanes 1-8 : results from primers OPB-13 to OPB-20, respectively

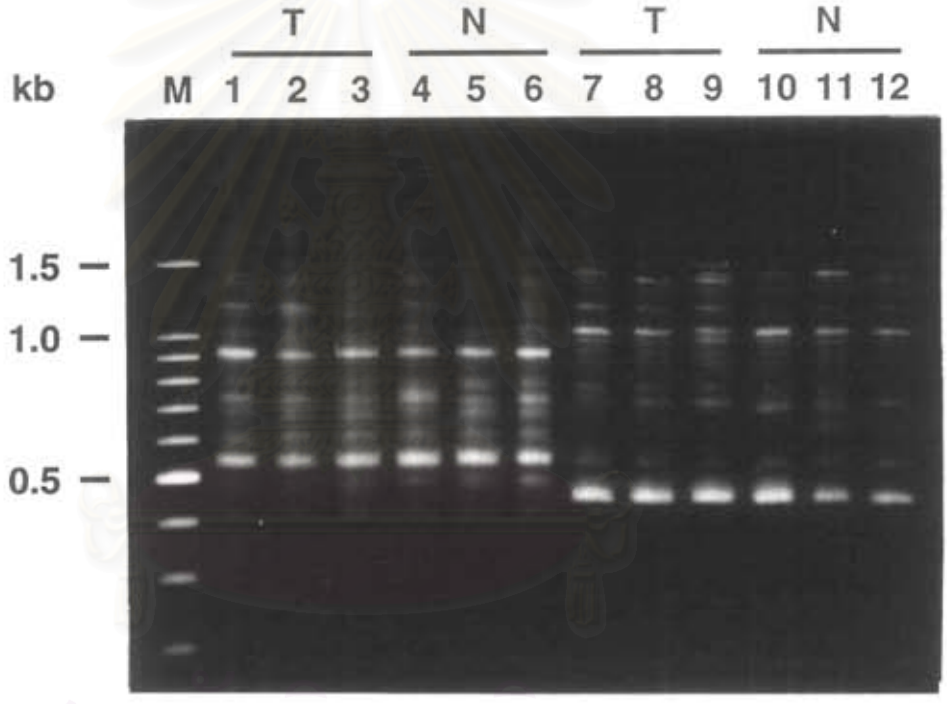
lane 9 : results from the primer OPM-09

lane 10 : results from the primer OPZ-09

APPENDIX 2

RAPD patterns of normal and viral tolerance *P. monodon* using the selected primers

Appendix 2.1



lane M : a 100 bp DNA ladder

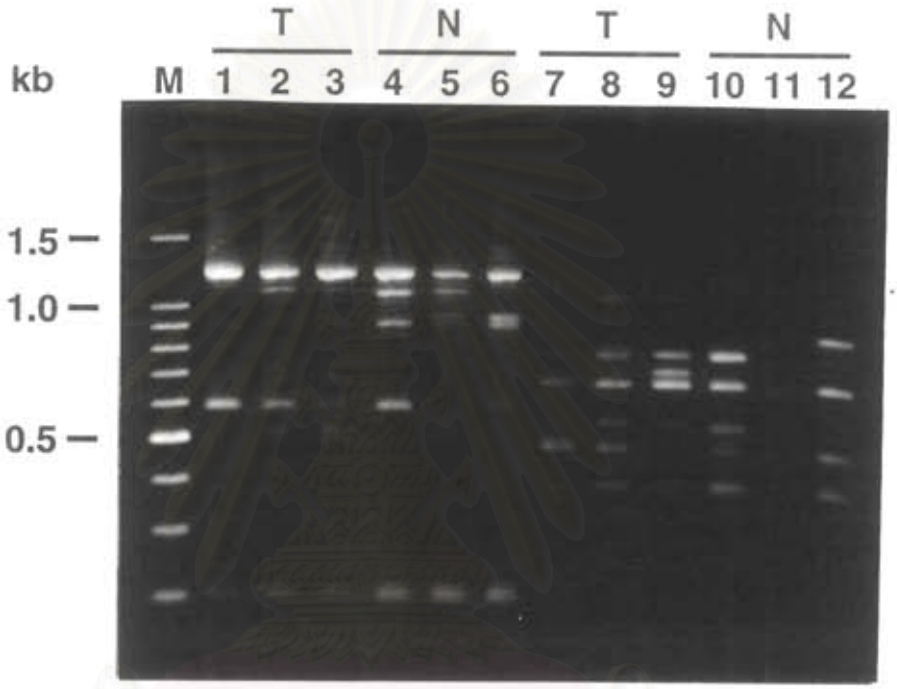
lanes 1-6 : results from the using of primer 101

lanes 7-12 : results from the using of primer 174

T : tolerance *P. monodon*

N : normal *P. monodon*

Appendix 2.2



lane M : a 100 bp DNA ladder

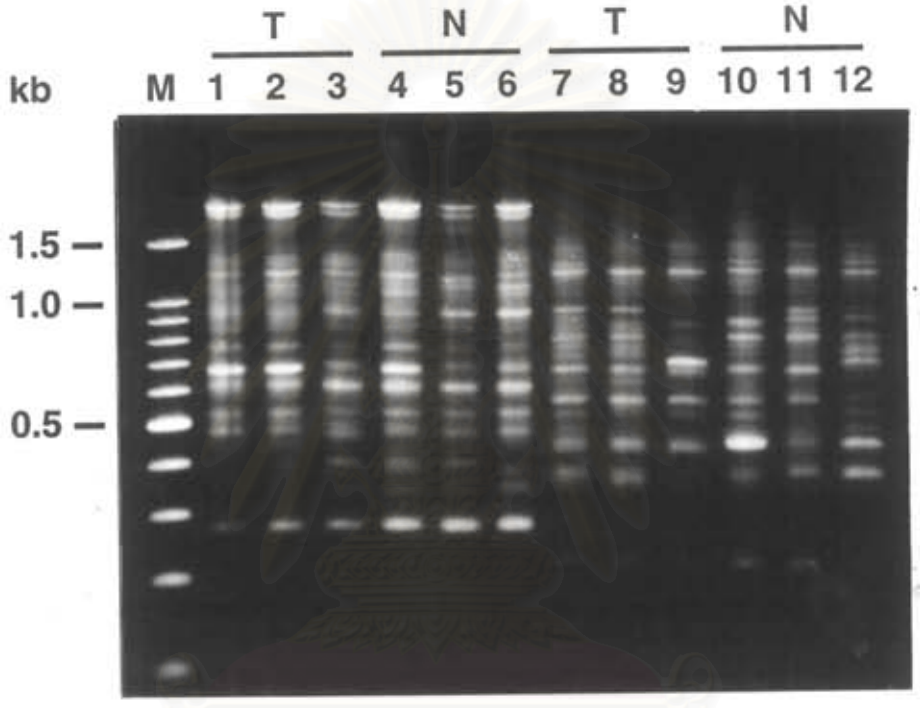
lanes 1-6 : results from the using of primer 428

lanes 7-12 : results from the using of primer 268

T : tolerance *P. monodon*

N : normal *P. monodon*

Appendix 2.3



lane M : a 100 bp DNA ladder

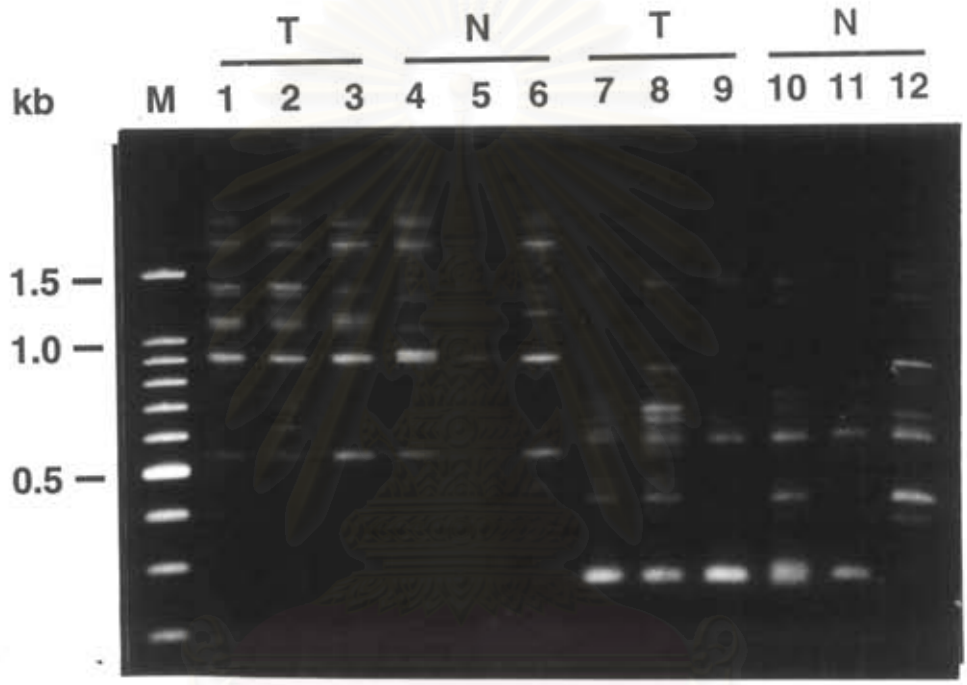
lanes 1-6 : results from the using of primer 456

lanes 7-12 : results from the using of primer 457

T : tolerance *P. monodon*

N : normal *P. monodon*

Appendix 2.4



lane M : a 100 bp DNA ladder

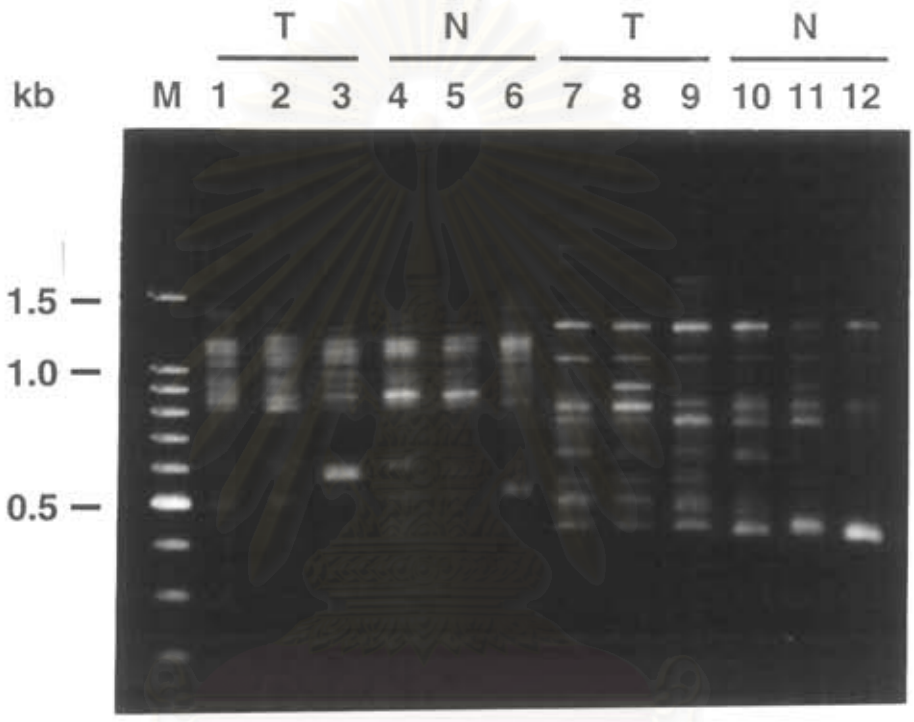
lanes 1-6 : results from the using of primer OPA-05

lanes 7-12 : results from the using of primer OPA-08

T : tolerance *P. monodon*

N : normal *P. monodon*

Appendix 2.5



lane M : a 100 bp DNA ladder

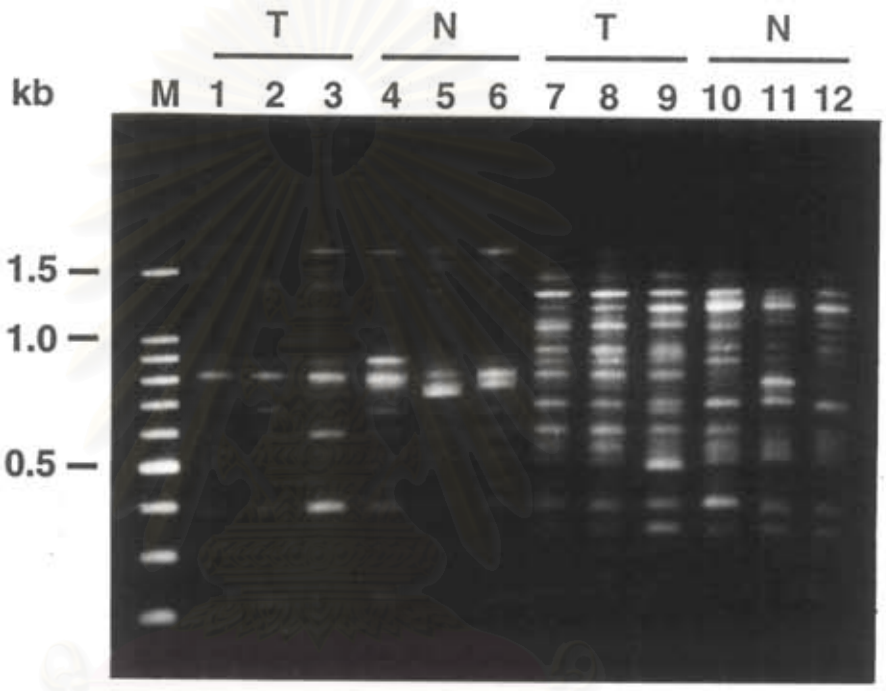
lanes 1-6 : results from the using of primer OPA-09

lanes 7-12 : results from the using of primer OPA-10

T : tolerance *P. monodon*

N : normal *P. monodon*

Appendix 2.6



lane M : a 100 bp DNA ladder

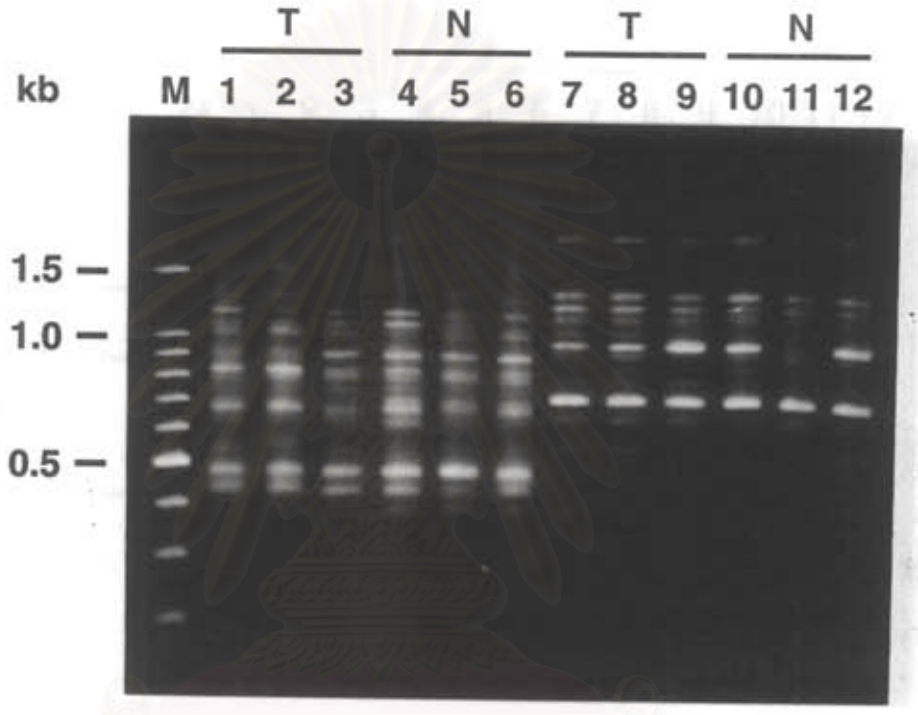
lanes 1-6 : results from the using of primer OPA-16

lanes 7-12 : results from the using of primer OPA-18

T : tolerance *P. monodon*

N : normal *P. monodon*

Appendix 2.7



lane M : a 100 bp DNA ladder

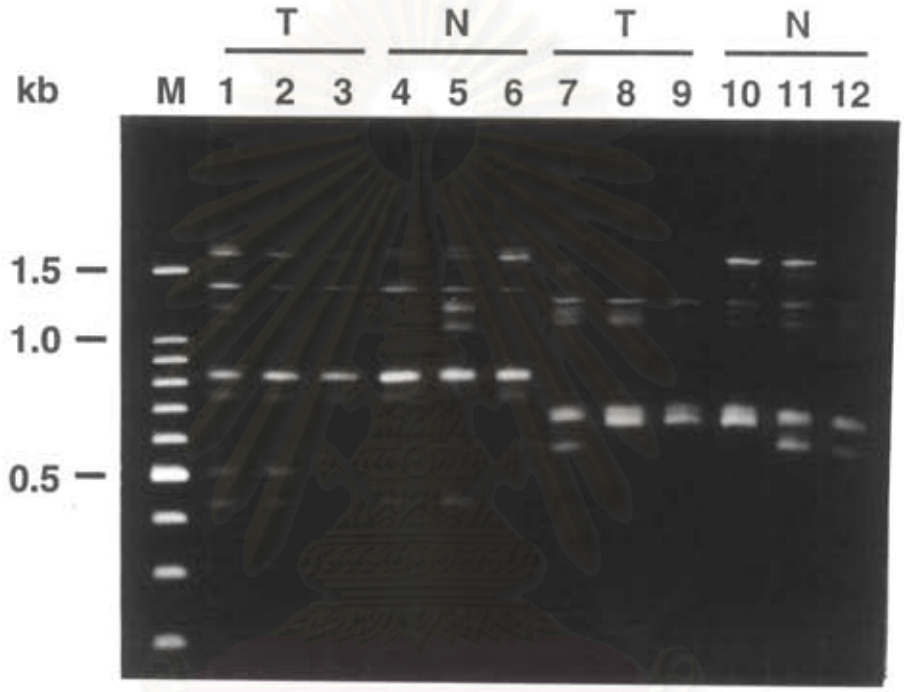
lanes 1-6 : results from the using of primer 459

lanes 7-12 : results from the using of primer OPA-01

T : tolerance *P. monodon*

N : normal *P. monodon*

Appendix 2.8



lane M : a 100 bp DNA ladder

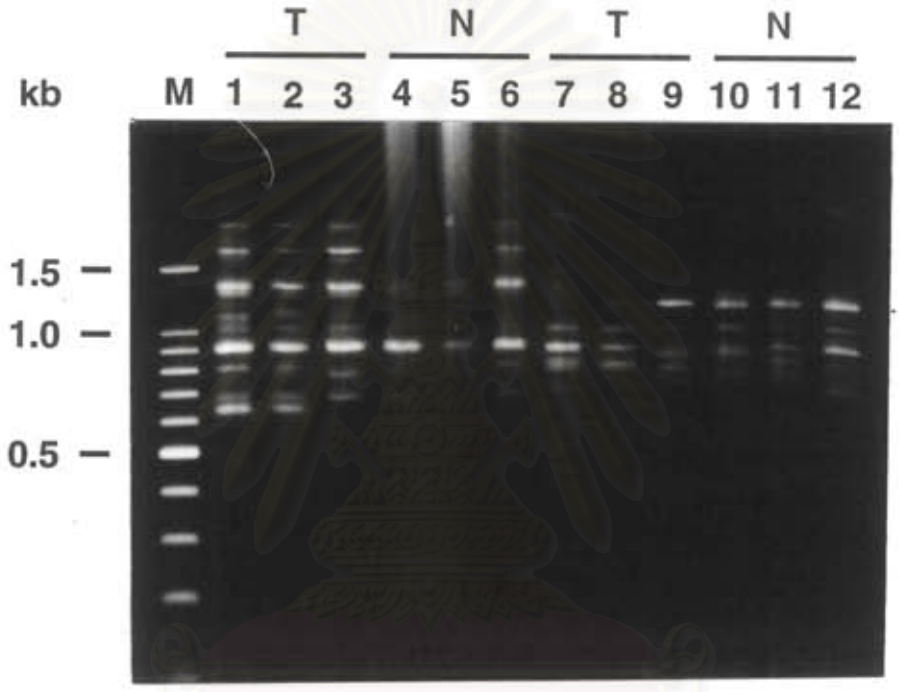
lanes 1-6 : results from the using of primer OPB-04

lanes 7-12 : results from the using of primer OPB-05

T : tolerance *P. monodon*

N : normal *P. monodon*

Appendix 2.9



lane M : a 100 bp DNA ladder

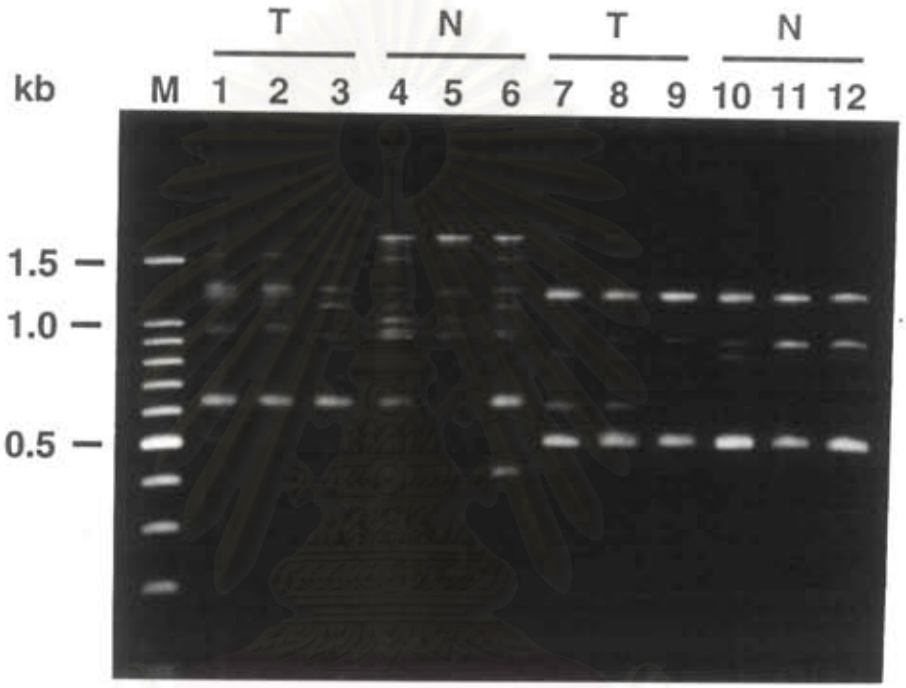
lanes 1-6 : results from the using of primer OPB-07

lanes 7-12 : results from the using of primer OPB-08

T : tolerance *P. monodon*

N : normal *P. monodon*

Appendix 2.10



lane M : a 100 bp DNA ladder

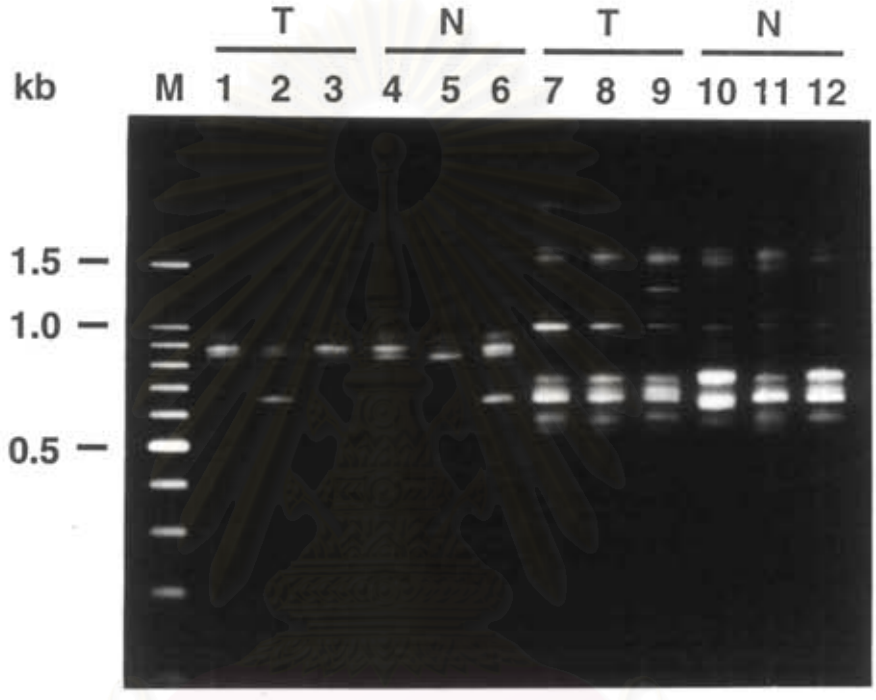
lanes 1-6 : results from the using of primer OPB-06

lanes 7-12 : results from the using of primer OPB-12

T : tolerance *P. monodon*

N : normal *P. monodon*

Appendix 2.11



lane M : a 100 bp DNA ladder

lanes 1-6 : results from the using of primer OPB-14

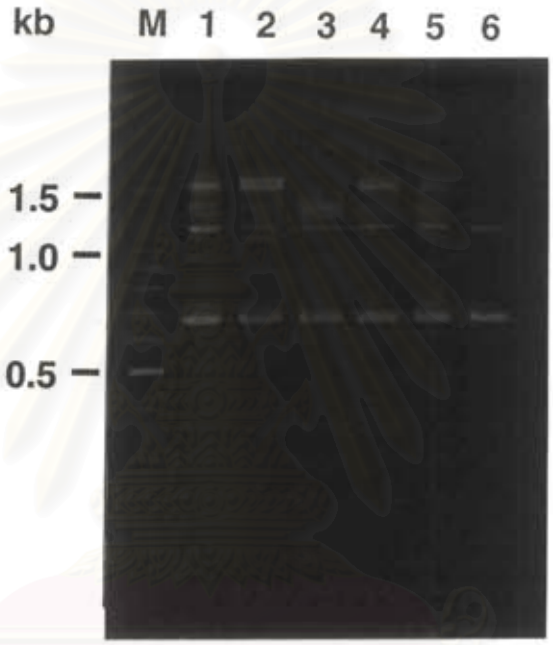
lanes 7-12 : results from the using of primer OPB-15

T : tolerance *P. monodon*

N : normal *P. monodon*

APPENDIX 3

RAPD patterns of viral tolerance shrimps using primer OPA-04

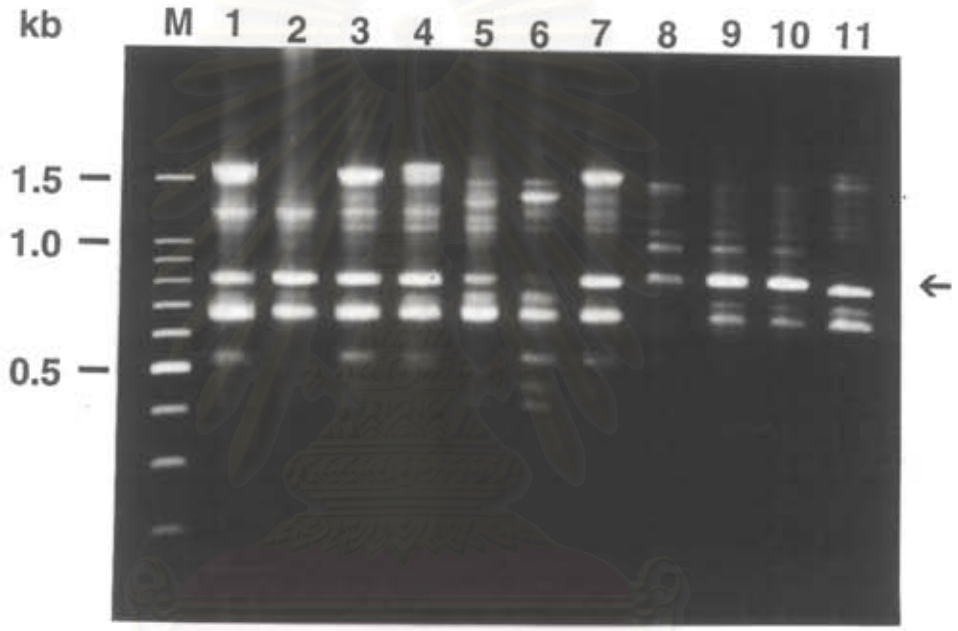


lane M : a 100 bp DNA ladder

lanes 1-6 : individuals of viral tolerance *P. monodon*

APPENDIX 4

RAPD patterns of normal shrimps using primer OPA-04



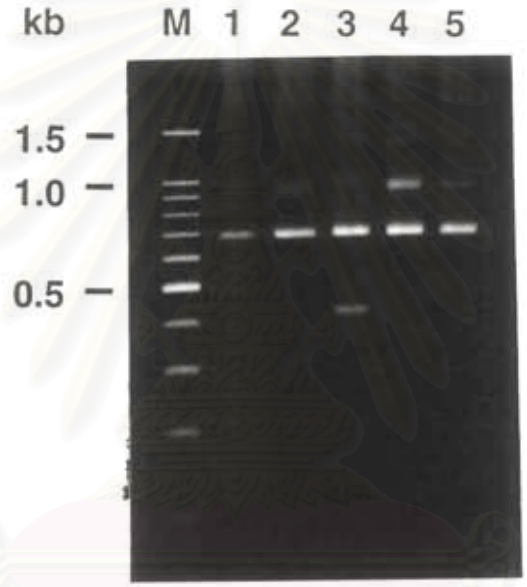
lane M : a 100 bp DNA ladder

lanes 1-11 : individuals of normal *P. monodon*

← : DNA band with size about 800 bp

APPENDIX 5

RAPD patterns of viral tolerance shrimps using primer OPB-20

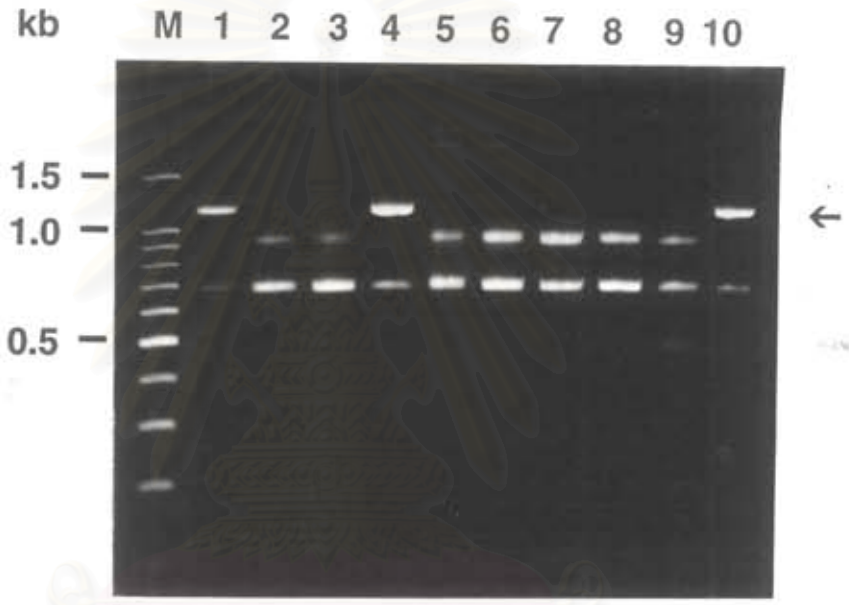


lane M : a 100 bp DNA ladder

lanes 1-5 : individuals of viral tolerance *P. monodon*

APPENDIX 6

RAPD patterns of normal shrimps using primer OPB-20



lane M : a 100 bp DNA ladder

lane 1-10 : individuals of normal *P. monodon*

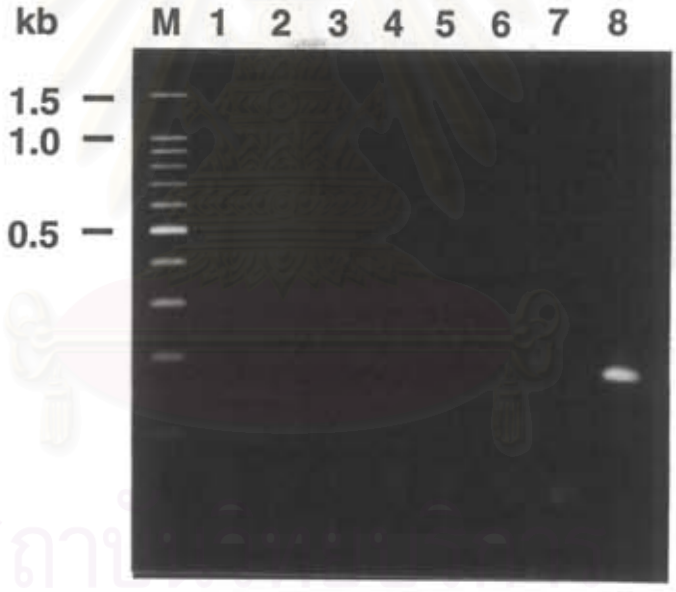
← : DNA band with size about 1,250 bp

APPENDIX 7

Speficity of the 800 bp fragment to normal shrimps

Appendix 7.1

Ethidium bromide stained gel showing the absence of a 173 bp PCR product of *P. monodon* from Trang (collected in 1997)



lane M : a 100 bp DNA ladder

lanes 1-6 individuals collected from Trang

lane 7 : negative control

lane 8 : positive control

Appendix 7.1 (continued)

lane M : a 100 bp DNA ladder

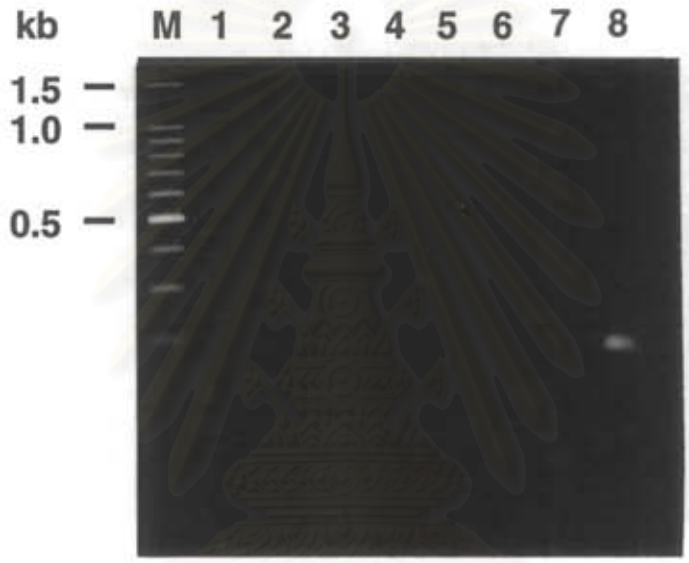
lanes 1-14 : individuals collected from Trang

lane 15 : negative control

lane 16 : positive control

Appendix 7.2

Ethidium bromide stained gel showing the absence of a 173 bp PCR product of *P. monodon* from Trat



lane M : a 100 bp DNA ladder

lanes 1-6 individuals collected from Trat

lane 7 : negative control

lane 8 : positive control

Appendix 7.2 (continued)

lane M : a 100 bp DNA ladder

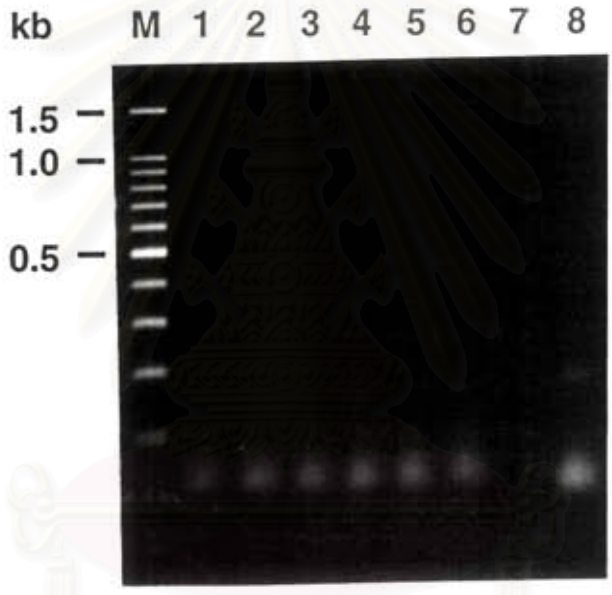
lanes 1-14 : individuals collected from Trat

lane 15 : negative control

lane 16 : positive control

Appendix 7.3

Ethidium bromide stained gel showing the absence of a 173 bp PCR product of *P. monodon* from Chumphon



lane M : a 100 bp DNA ladder

lanes 1-6 individuals collected from Chumphon

lane 7 : negative control

lane 8 : positive control

Appendix 7.3 (continued)

lane M : a 100 bp DNA ladder

lanes 1-14 : individuals collected from Chumphon

lane 15 : negative control

lane 16 : positive control

BIOGRAPHY

Miss Potchanee Hunsonti was born on January 18, 1972. She graduated with the bachelor degree of science from Chulalongkorn University in 1994. She has further studied for the degree of Master of science, department of Biochemistry, Chulalongkorn University in 1995.