

SEQUENCE LISTING

<110> Columbia University in the City of New York

<120> Novel Tilapia Virus and Uses Thereof

<130> 01001/004493-W00

<140> Filed Herewith

<141> 2015-12-15

<150> US 62/091,824

<151> 2014-12-15

<160> 39

<170> PatentIn version 3.5

<210> 1

<211> 1326

<212> DNA

<213> Tilapia Lake RNA Virus

<400> 1

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<212> DNA

<213> Tilapia Lake RNA Virus

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<210> 11
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 <212> DNA
 <213> Tilapia Lake RNA Virus

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<210> 12

<211> 420
<212> PRT
<213> Tilapia Lake RNA Virus

<400> 12

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Phe Thr Tyr Ser Glu Gly Ser Arg Arg Phe Leu Ser Ser Tyr Ser Thr
20 25 30

Val Glu Arg Arg Pro Gly Val Pro Val Glu Gly Asp Cys Tyr Asp Cys
35 40 45

Leu Lys Asn Lys Trp Ile Ala Phe Glu Leu Glu Gly Gln Pro Arg Lys
50 55 60

Phe Pro Lys Ala Thr Val Arg Cys Ile Leu Asn Asn Asp Ala Thr Tyr
65 70 75 80

Val Cys Ser Glu Gln Glu Tyr Gln Gln Ile Cys Lys Val Gln Phe Lys
85 90 95

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Tyr Asp Ala Glu Leu Arg Glu Arg Leu Leu Glu Leu Pro His Pro Lys
115 120 125

Ser Gly Pro Lys Pro Arg Ile Glu Trp Val Ala Pro Pro Arg Leu Ala
130 135 140

Asp Ile Ser Lys Glu Thr Ala Glu Leu Lys Arg Gln Tyr Gly Phe Phe
145 150 155 160

Glu Cys Ser Lys Phe Leu Ala Cys Gly Glu Glu Cys Gly Leu Asp Gln
165 170 175

Glu Ala Arg Glu Leu Ile Leu Asn Glu Tyr Ala Arg Asp Arg Glu Phe
180 185 190

Glu Phe Arg Asn Gly Gly Trp Ile Gln Arg Tyr Thr Val Ala Ser His
195 200 205

Lys Pro Ala Thr Gln Lys Ile Leu Pro Leu Pro Ala Ser Ala Pro Leu
210 215 220

Ala Arg Glu Leu Leu Met Leu Ile Ala Arg Ser Thr Thr Gln Ala Gly
225 230 235 240

Lys Val Leu His Ser Asp Asn Thr Ser Ile Leu Ala Val Pro Val Met
245 250 255

Arg Asp Ser Gly Lys His Ser Lys Arg Arg Pro Thr Ala Ser Thr His
260 265 270

His Leu Val Val Gly Leu Ser Lys Pro Gly Cys Glu His Asp Phe Glu
275 280 285

Phe Asp Gly Tyr Arg Ala Ala Val His Val Met His Leu Asp Pro Lys
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Gln Ser Ala Asn Ile Gly Glu Gln Asp Phe Val Ser Thr Arg Glu Ile
305 310 315 320

Tyr Lys Leu Asp Met Leu Glu Leu Pro Pro Ile Ser Arg Lys Gly Asp
325 330 335

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340 345 350

Leu Glu Cys Leu Asp Ser Thr Arg Val Ser Gln Ala Val Ala Gln His
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Phe Asn Arg His Arg Leu Ala Leu Ser Val Cys Lys Asp Glu Phe Arg
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Lys Gly Tyr Gln Leu Ala Ser Glu Ile Arg Gly Thr Ile Pro Leu Ser
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