

PCT Sequence Listing (WIPO website).TXT
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

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 <213> Tilapia Lake RNA Virus

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cgccctggac aggctcagag cagcgtacag tagggggacg cccgcctcta gatctatact	1020
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<210> 3
 <211> 1098
 <212> DNA
 <213> Tilapia Lake RNA Virus

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<210> 4
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 <212> DNA
 <213> Tilapia Lake RNA Virus

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PCT Sequence Listing (WIPO website).TXT

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<210> 5
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 <212> DNA
 <213> Tilapia Lake RNA Virus

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<210> 6
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 <212> DNA
 <213> Tilapia Lake RNA Virus

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PCT Sequence Listing (WIPO website).TXT

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<211> 1640

<212> DNA

<213> Tilapia Lake RNA Virus

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PCT Sequence Listing (WIPO website).TXT

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 <211> 465
 <212> DNA

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<213> Tilapia Lake RNA Virus

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<211> 1371

<212> DNA

<213> Tilapia Lake RNA Virus

<400> 9

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<210> 10
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<210> 11
 <211> 657
 <212> DNA
 <213> Tilapia Lake RNA Virus

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<220>

<221> misc_feature

<222> (1)..(1)

<223> n is a, c, g, or t

<400> 11

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<210> 12

<211> 420

<212> PRT

<213> Tilapia Lake RNA Virus

<400> 12

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Val	Glu	Arg	Arg	Pro	Gly	Val	Pro	Val	Glu	Gly	Asp	Cys	Tyr	Asp	Cys
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Leu	Lys	Asn	Lys	Trp	Ile	Ala	Phe	Glu	Leu	Glu	Gly	Gln	Pro	Arg	Lys
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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

Asp Tyr Leu Glu Ile Asp Gly Val Val Lys Val Gly His Lys Ala Ser
100 105 110

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

PCT Sequence Listing (WIPO website).TXT

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
290 295 300

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

Leu Asp Arg Ala Ser Gly Leu Glu Thr Arg Trp Asp Val Ile Leu Leu
340 345 350

Leu Glu Cys Leu Asp Ser Thr Arg Val Ser Gln Ala Val Ala Gln His
355 360 365

Phe Asn Arg His Arg Leu Ala Leu Ser Val Cys Lys Asp Glu Phe Arg
370 375 380

Lys Gly Tyr Gln Leu Ala Ser Glu Ile Arg Gly Thr Ile Pro Leu Ser
385 390 395 400

Ser Leu Tyr Tyr Ser Leu Cys Ala Val Arg Leu Arg Met Thr Val His
405 410 415

Pro Phe Ala Arg
420

<210> 13
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<220>
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<220>

PCT Sequence Listing (WIPO website).TXT

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 <222> (19)..(24)
 <223> n is a, c, g, or t

 <400> 13
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 <210> 14
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 <223> synthetic primer

 <400> 14
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 <210> 15
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 <400> 16
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 <210> 17
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PCT Sequence Listing (WIPO website).TXT

<212> DNA
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 <400> 17
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 <400> 18
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<210> 19
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 <400> 19
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<210> 20
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PCT Sequence Listing (WIPO website).TXT

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<400> 28
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PCT Sequence Listing (WIPO website).TXT

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PCT Sequence Listing (WIPO website).TXT

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19

PCT Sequence Listing (WIPO website).TXT

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