SEQUENCE LISTING

<110> Takeda Vaccines
Centers for Disease Control and Prevention

<120> ZIKA VACCINES AND IMMUNOGENIC COMPOSITIONS, AND METHODS OF USING THE SAME

<130> T08289WO

<150> US 62/581500
<151> 2017-11-03

<150> US 62/592995
<151> 2017-11-30

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<170> PatentIn version 3.5

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Val Gln Tyr Glu Gly Asp Gly Ser Pro Cys Lys Ile Pro Phe Glu
20 25 30

<210> 16
<211> 31
<212> PRT
<213> Dengue virus

<400> 16

Leu Lys Lys Glu Val Ser Glu Thr Gln His Gly Thr Ile Leu Ile Lys
1 5 10 15

Val Glu Tyr Lys Gly Glu Asp Ala Pro Cys Lys Ile Pro Phe Ser
20 25 30

<210> 17
<211> 31
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<213> Dengue virus

<400> 17

Ile Asp Lys Glu Met Ala Glu Thr Gln His Gly Thr Thr Val Val Lys
1 5 10 15

Val Lys Tyr Glu Gly Ala Gly Ala Pro Cys Lys Val Pro Ile Glu
20 25 30

<210> 18
<211> 29
<212> PRT
<213> Zika virus

<400> 18

Ser Val Lys Asn Pro Met Gly Arg Gly Pro Gln Arg Leu Pro Val Pro
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Val Asn Glu Leu Pro His Gly Trp Lys Ala Trp Gly Lys
20 25

<210> 19
<211> 29
<212> PRT
<213> Zika virus

<400> 19

Ser Val Lys Asn Pro Met Trp Arg Gly Pro Gln Arg Leu Pro Val Pro
1   5   10   15

Val Asn Glu Leu Pro His Gly Trp Lys Ala Trp Gly Lys
            20   25

<210> 20
<211> 29
<212> PRT
<213> West Nile Virus

<400> 20

Lys Gln Glu Gly Met Tyr Lys Ser Ala Pro Lys Arg Leu Thr Ala Thr
1   5   10   15

Thr Glu Lys Leu Glu Ile Gly Trp Lys Ala Trp Gly Lys
            20   25

<210> 21
<211> 29
<212> PRT
<213> Japanese Encephalitis Virus

<400> 21

Lys Pro Val Gly Arg Tyr Arg Ser Ala Pro Lys Arg Leu Ser Met Thr
1   5   10   15

Gln Glu Lys Phe Glu Met Gly Trp Lys Ala Trp Gly Lys
            20   25

<210> 22
<211> 29
<212> PRT
<213> Saint Louis Encephalitis Virus

<400> 22

Glu Asp Pro Lys Tyr Tyr Lys Arg Ala Pro Arg Arg Leu Lys Lys Leu

1 5 10 15

Glu Asp Glu Leu Asn Tyr Gly Trp Lys Ala Trp Gly Lys
20 25

<210> 23
<211> 29
<212> PRT
<213> Yellow Fever Virus

<400> 23

Asp Pro Lys Asn Val Tyr Gln Arg Gly Thr His Pro Phe Ser Arg Ile
1 5 10 15

Arg Asp Gly Leu Gln Tyr Gly Trp Lys Thr Trp Gly Lys
20 25

<210> 24
<211> 29
<212> PRT
<213> Dengue virus

<400> 24

Asp Val Ser Gly Ile Leu Ala Gln Gly Lys Lys Met Ile Arg Pro Gln
1 5 10 15

Pro Met Glu His Lys Tyr Ser Trp Lys Ser Trp Gly Lys
20 25

<210> 25
<211> 29
<212> PRT
<213> Dengue virus

<400> 25

Asp Ile Lys Gly Ile Met Gln Ala Gly Lys Arg Ser Leu Arg Pro Gln
1 5 10 15

Pro Thr Glu Leu Lys Tyr Ser Trp Lys Thr Trp Gly Lys
20 25

<210> 26
<211> 29

<212> PRT
<213> Dengue virus

<400> 26

Asp Ile Thr Gly Val Leu Glu Gln Gly Lys Arg Thr Leu Thr Pro Gln
1   5   10   15

Pro Met Glu Leu Lys Tyr Ser Trp Lys Thr Trp Gly Lys
            20   25

<210> 27
<211> 29
<212> PRT
<213> Dengue virus

<400> 27

Asp Val Lys Gly Val Leu Thr Lys Gly Lys Arg Ala Leu Thr Pro Pro
1   5   10   15

Val Asn Asp Leu Lys Tyr Ser Trp Lys Thr Trp Gly Lys
            20   25