SEQUENCE LISTING

<110> University of Connecticut
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Tseng, Yu-Hua
Lynes, Matthew D.

<120> Methods for treating diabetes, hepatitis, and/or inflammatory liver disease

<130> 17-1682-PCT

<150> 62/618332
<151> 2018-01-17

<160> 14

<170> PatentIn version 3.5

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<211> 61
<212> PRT
<213> Homo sapiens

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Met Asp Pro Asn Cys Ser Cys Ala Thr Gly Gly Ser Cys Thr Cys Thr
1 5 10 15

Gly Ser Cys Lys Cys Lys Glu Cys Lys Cys Thr Ser Cys Lys Lys Ser
20 25 30

Cys Cys Ser Cys Cys Pro Met Ser Cys Ala Lys Cys Ala Gln Gly Cys
35 40 45

Ile Cys Lys Gly Ala Ser Glu Lys Cys Ser Cys Cys Ala
50 55 60

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Met Asp Pro Asn Cys Ser Cys Thr Thr Gly Gly Ser Cys Ala Cys Ala
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Gly Ser Cys Lys Cys Lys Glu Cys Lys Cys Thr Ser Cys Lys Lys Cys

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            20                  25                  30

Cys Cys Ser Cys Cys Pro Val Gly Cys Ala Lys Cys Ala Gln Gly Cys
        35                  40                  45

Val Cys Lys Gly Ser Ser Glu Lys Cys Arg Cys Cys Ala
    50                  55                  60
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Gly Ser Cys Lys Cys Lys Glu Cys Lys Cys Thr Ser Cys Lys Lys Ser
            20                  25                  30

Cys Cys Ser Cys Cys Pro Val Gly Cys Ala Lys Cys Ala Gln Gly Cys
        35                  40                  45

Val Cys Lys Gly Ala Ser Glu Lys Cys Ser Cys Cys Ala
    50                  55                  60
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Gly Ser Cys Lys Cys Lys Glu Cys Lys Cys Thr Ser Cys Lys Lys Ser
            20                  25                  30

Cys Cys Ser Cys Cys Pro Val Gly Cys Ser Lys Cys Ala Gln Gly Cys
        35                  40                  45

Val Cys Lys Gly Ala Ser Glu Lys Cys Ser Cys Cys Asp
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Met Asp Pro Asn Cys Ser Cys Ala Ala Ala Gly Val Ser Cys Thr Cys
1               5                   10                  15


Ala Ser Ser Cys Lys Cys Lys Glu Cys Lys Cys Thr Ser Cys Lys Lys
            20                  25                  30


Ser Cys Cys Ser Cys Cys Pro Val Gly Cys Ala Lys Cys Ala Gln Gly
        35                  40                  45


Cys Ile Cys Lys Gly Ala Ser Glu Lys Cys Ser Cys Cys Ala
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Gly Ser Cys Lys Cys Lys Glu Cys Lys Cys Thr Ser Cys Lys Lys Ser
            20                  25                  30


Cys Cys Ser Cys Cys Pro Val Gly Cys Ala Lys Cys Ala Gln Gly Cys
        35                  40                  45


Ile Cys Lys Gly Ala Ser Asp Lys Cys Ser Cys Cys Ala
    50                  55                  60


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Met Asp Pro Glu Thr Cys Pro Cys Pro Ser Gly Gly Ser Cys Thr Cys
1 5 10 15

Ala Asp Ser Cys Lys Cys Glu Gly Cys Lys Cys Thr Ser Cys Lys Lys
20 25 30

Ser Cys Cys Ser Cys Cys Pro Ala Glu Cys Glu Lys Cys Ala Lys Asp
35 40 45

Cys Val Cys Lys Gly Gly Glu Ala Ala Glu Ala Glu Ala Glu Lys Cys
50 55 60

Ser Cys Cys Gln
65

<210> 8
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<213> Homo sapiens

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Met Asp Pro Arg Glu Cys Val Cys Met Ser Gly Gly Ile Cys Met Cys
1 5 10 15

Gly Asp Asn Cys Lys Cys Thr Thr Cys Asn Cys Lys Thr Tyr Trp Lys
20 25 30

Ser Cys Cys Pro Cys Cys Pro Pro Gly Cys Ala Lys Cys Ala Arg Gly
35 40 45

Cys Ile Cys Lys Gly Gly Ser Asp Lys Cys Ser Cys Cys Pro
50 55 60

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His Asp Glu Phe Glu Arg His Ala Glu Gly Thr Phe Thr Ser Asp Val
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Ser Ser Tyr Leu Glu Gly Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu
            20                  25                  30


Val Lys Gly Arg Gly
        35


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His Ala Asp Gly Ser Phe Ser Asp Glu Met Asn Thr Ile Leu Asp Asn
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Leu Ala Ala Arg Asp Phe Ile Asn Trp Leu Ile Gln Thr Lys Ile Thr
            20                  25                  30


Asp



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Val Ala Leu Leu Leu Gln Pro Leu Leu Gly Ala Gln Gly Ala Pro Leu
            20                  25                  30


Glu Pro Val Tyr Pro Gly Asp Asn Ala Thr Pro Glu Gln Met Ala Gln
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35 40 45

Tyr Ala Ala Asp Leu Arg Arg Tyr Ile Asn Met Leu Thr Arg Pro Arg
50 55 60

Tyr Gly Lys Arg His Lys Glu Asp Thr Leu Ala Phe Ser Glu Trp Gly
65 70 75 80

Ser Pro His Ala Ala Val Pro Arg Glu Leu Ser Pro Leu Asp Leu
85 90 95

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<220>
<223> Synthetic

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Met Leu Gly Asn Lys Arg Leu Gly Leu Ser Gly Leu Thr Leu Ala Leu
1 5 10 15

Ser Leu Leu Val Cys Leu Gly Ala Leu Ala Glu Ala Tyr Pro Ser Lys
20 25 30

Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp Met Ala Arg Tyr
35 40 45

Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr Arg Gln Arg Tyr
50 55 60

Gly Lys Arg Ser Ser Pro Glu Thr Leu Ile Ser Asp Leu Leu Met Arg
65 70 75 80

Glu Ser Thr Glu Asn Val Pro Arg Thr Arg Leu Glu Asp Pro Ala Met
85 90 95

Trp

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<223> Synthetic

<400> 13

Met Val Phe Val Arg Arg Pro Trp Pro Ala Leu Thr Thr Val Leu Leu
1 5 10 15

Ala Leu Leu Val Cys Leu Gly Ala Leu Val Asp Ala Tyr Pro Ile Lys
20 25 30

Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn Arg Tyr
35 40 45

Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr
50 55 60

Gly Lys Arg Asp Gly Pro Asp Thr Leu Leu Ser Lys Thr Phe Phe Pro
65 70 75 80

Asp Gly Glu Asp Arg Pro Val Arg Ser Arg Ser Glu Gly Pro Asp Leu
85 90 95

Trp

<210> 14
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<220>
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<400> 14

Met Lys Ile Ile Leu Trp Leu Cys Val Phe Gly Leu Phe Leu Ala Thr
1 5 10 15

Leu Phe Pro Ile Ser Trp Gln Met Pro Val Glu Ser Gly Leu Ser Ser
20 25 30

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Glu Asp Ser Ala Ser Ser Glu Ser Phe Ala Ser Lys Ile Lys Arg His
        35                  40                  45


Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu Glu
    50                  55                  60


Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser Ser
65                  70                  75                  80


Gly Ala Pro Pro Pro Ser Gly
                85
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