SEQUENCE LISTING

<110> Oblique Therapeutics AB

<120> Methods of identifying epitopes

<130> 69.15.130148/01

<150> GB1614884.3
<151> 2016-09-01

<160> 81

<170> PatentIn version 3.5

<210> 1
<211> 839
<212> PRT
<213> Homo sapiens

<400> 1

Met Lys Lys Trp Ser Ser Thr Asp Leu Gly Ala
Ala Ala Asp Pro Leu
1   5   10
15

Gln Lys Asp Thr Cys Pro Asp Pro Leu Asp Gly
Asp Pro Asn Ser Arg
            20   25
30

Pro Pro Pro Ala Lys Pro Gln Leu Ser Thr Ala
Lys Ser Arg Thr Arg
        35   40
45

Leu Phe Gly Lys Gly Asp Ser Glu Glu Ala Phe
Pro Val Asp Cys Pro
    50   55   60

His Glu Glu Gly Glu Leu Asp Ser Cys Pro Thr
Ile Thr Val Ser Pro
65   70   75
80

Val Ile Thr Ile Gln Arg Pro Gly Asp Gly Pro
Thr Gly Ala Arg Leu
                85   90
95

Leu Ser Gln Asp Ser Val Ala Ala Ser Thr Glu
Lys Thr Leu Arg Leu
            100   105
110

Tyr Asp Arg Arg Ser Ile Phe Glu Ala Val Ala
Gln Asn Asn Cys Gln
        115   120
125

Asp Leu Glu Ser Leu Leu Leu Phe Leu Gln Lys
Ser Lys Lys His Leu
    130   135
140

Thr Asp Asn Glu Phe Lys Asp Pro Glu Thr Gly
Lys Thr Cys Leu Leu
145   150   155
160

Lys Ala Met Leu Asn Leu His Asp Gly Gln Asn
Thr Thr Ile Pro Leu
                165   170
175

Leu Leu Glu Ile Ala Arg Gln Thr Asp Ser Leu
Lys Glu Leu Val Asn
            180   185
190

Ala Ser Tyr Thr Asp Ser Tyr Tyr Lys Gly Gln
Thr Ala Leu His Ile
        195   200
205

Ala Ile Glu Arg Arg Asn Met Ala Leu Val Thr
Leu Leu Val Glu Asn
    210   215
220

Gly Ala Asp Val Gln Ala Ala Ala His Gly Asp
Phe Phe Lys Lys Thr
225   230   235
240

Lys Gly Arg Pro Gly Phe Tyr Phe Gly Glu Leu
Pro Leu Ser Leu Ala
                245   250
255

Ala Cys Thr Asn Gln Leu Gly Ile Val Lys Phe
Leu Leu Gln Asn Ser
            260   265
270

Trp Gln Thr Ala Asp Ile Ser Ala Arg Asp Ser
Val Gly Asn Thr Val
        275   280
285

Leu His Ala Leu Val Glu Val Ala Asp Asn Thr
Ala Asp Asn Thr Lys
    290   295
300

Phe Val Thr Ser Met Tyr Asn Glu Ile Leu Met
Leu Gly Ala Lys Leu
305   310   315
320

His Pro Thr Leu Lys Leu Glu Glu Leu Thr Asn
Lys Lys Gly Met Thr
                325   330
335

Pro Leu Ala Leu Ala Ala Gly Thr Gly Lys Ile
Gly Val Leu Ala Tyr
            340   345
350

Ile Leu Gln Arg Glu Ile Gln Glu Pro Glu Cys
Arg His Leu Ser Arg
        355   360
365

Lys Phe Thr Glu Trp Ala Tyr Gly Pro Val His
Ser Ser Leu Tyr Asp
    370   375
380

Leu Ser Cys Ile Asp Thr Cys Glu Lys Asn Ser
Val Leu Glu Val Ile
385   390   395
400

Ala Tyr Ser Ser Ser Glu Thr Pro Asn Arg His
Asp Met Leu Leu Val
                405   410
415

Glu Pro Leu Asn Arg Leu Leu Gln Asp Lys Trp
Asp Arg Phe Val Lys
            420   425
430

Arg Ile Phe Tyr Phe Asn Phe Leu Val Tyr Cys
Leu Tyr Met Ile Ile
        435   440
445

Phe Thr Met Ala Ala Tyr Tyr Arg Pro Val Asp
Gly Leu Pro Pro Phe
    450   455
460

Lys Met Glu Lys Thr Gly Asp Tyr Phe Arg Val
Thr Gly Glu Ile Leu
465   470   475
480

Ser Val Leu Gly Gly Val Tyr Phe Phe Phe Arg
Gly Ile Gln Tyr Phe
                485   490
495

Leu Gln Arg Arg Pro Ser Met Lys Thr Leu Phe
Val Asp Ser Tyr Ser
            500   505
510

Glu Met Leu Phe Phe Leu Gln Ser Leu Phe Met
Leu Ala Thr Val Val
        515   520
525

Leu Tyr Phe Ser His Leu Lys Glu Tyr Val Ala
Ser Met Val Phe Ser
    530   535
540

Leu Ala Leu Gly Trp Thr Asn Met Leu Tyr Tyr
Thr Arg Gly Phe Gln
545   550   555
560

Gln Met Gly Ile Tyr Ala Val Met Ile Glu Lys
Met Ile Leu Arg Asp
                565   570
575

Leu Cys Arg Phe Met Phe Val Tyr Ile Val Phe
Leu Phe Gly Phe Ser
            580   585
590

Thr Ala Val Val Thr Leu Ile Glu Asp Gly Lys
Asn Asp Ser Leu Pro
        595   600
605

Ser Glu Ser Thr Ser His Arg Trp Arg Gly Pro
Ala Cys Arg Pro Pro
    610   615
620

Asp Ser Ser Tyr Asn Ser Leu Tyr Ser Thr Cys
Leu Glu Leu Phe Lys
625   630   635
640

Phe Thr Ile Gly Met Gly Asp Leu Glu Phe Thr
Glu Asn Tyr Asp Phe
                645   650
655

Lys Ala Val Phe Ile Ile Leu Leu Leu Ala Tyr
Val Ile Leu Thr Tyr
            660   665
670

Ile Leu Leu Leu Asn Met Leu Ile Ala Leu Met
Gly Glu Thr Val Asn
        675   680
685

Lys Ile Ala Gln Glu Ser Lys Asn Ile Trp Lys
Leu Gln Arg Ala Ile
    690   695
700

Thr Ile Leu Asp Thr Glu Lys Ser Phe Leu Lys
Cys Met Arg Lys Ala
705   710   715
720

Phe Arg Ser Gly Lys Leu Leu Gln Val Gly Tyr
Thr Pro Asp Gly Lys
                725   730
735

Asp Asp Tyr Arg Trp Cys Phe Arg Val Asp Glu
Val Asn Trp Thr Thr
            740   745
750

Trp Asn Thr Asn Val Gly Ile Ile Asn Glu Asp
Pro Gly Asn Cys Glu
        755   760
765

Gly Val Lys Arg Thr Leu Ser Phe Ser Leu Arg
Ser Ser Arg Val Ser
    770   775
780

Gly Arg His Trp Lys Asn Phe Ala Leu Val Pro
Leu Leu Arg Glu Ala
785   790   795
800

Ser Ala Arg Asp Arg Gln Ser Ala Gln Pro Glu
Glu Val Tyr Leu Arg
                805   810
815

Gln Phe Ser Gly Ser Leu Lys Pro Glu Asp Ala
Glu Val Phe Lys Ser
            820   825
830

Pro Ala Ala Ser Gly Glu Lys
        835

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<400> 2

Leu Leu Ser Gln Asp Ser Val Ala Ala Ser Thr
Glu Lys
1   5   10

<210> 3
<211> 16
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<220>
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<400> 3

Leu Leu Ser Gln Asp Ser Val Ala Ala Ser Thr
Glu Lys Thr Leu Arg
1   5   10
15

<210> 4
<211> 23
<212> PRT
<213> Artificial Sequence

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<400> 4

Gln Phe Ser Gly Ser Leu Lys Pro Glu Asp Ala
Glu Val Phe Lys Ser
1   5   10
15

Pro Ala Ala Ser Gly Glu Lys
            20

<210> 5
<211> 22
<212> PRT
<213> Artificial Sequence

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<400> 5

Leu Leu Ser Gln Asp Ser Val Ala Ala Ser Thr
Glu Lys Thr Leu Arg
1   5   10
15

Leu Tyr Asp Arg Arg Ser
            20

<210> 6
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<400> 6

Gly Arg His Trp Lys Asn Phe Ala Leu Val Pro
Leu Leu Arg Glu
1   5   10
15

<210> 7
<211> 16
<212> PRT
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<400> 7

Leu Val Glu Asn Gly Ala Asp Val Gln Ala Ala
Ala His Gly Asp Phe
1   5   10
15

<210> 8
<211> 11
<212> PRT
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<400> 8

Asp Gly Pro Thr Gly Ala Arg Leu Leu Ser Gln
1   5   10

<210> 9
<211> 14
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<213> Artificial Sequence

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<400> 9

Asp Ala Glu Val Phe Lys Ser Pro Ala Ala Ser
Gly Glu Lys
1   5   10

<210> 10
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<400> 10

Ser Gln Asp Ser Val Ala Ala Ser Thr Glu Lys
Thr Leu
1   5   10

<210> 11
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<400> 11

Ser Gly Ser Leu Lys Pro Glu Asp Ala Glu Val
Phe
1   5   10

<210> 12
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<400> 12

Val Ser Pro Val Ile Thr Ile Gln Arg Pro Gly
Asp
1   5   10

<210> 13
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<400> 13

Val Ser Pro Val Ile Thr Ile Gln Arg Pro Gly
Asp Gly Pro Thr Gly
1   5   10
15

Ala

<210> 14
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<400> 14

Leu Asn Leu His Asp Gly Gln Asn Thr Thr Ile
Pro Leu Leu Leu
1   5   10
15

<210> 15
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<400> 15

Tyr Thr Asp Ser Tyr Tyr Lys Gly Gln
1   5

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<400> 16

Ser Leu Pro Ser Glu Ser Thr Ser His
1   5

<210> 17
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<400> 17

Glu Asp Pro Gly Asn Cys Glu Gly Val Lys Arg
1   5   10

<210> 18
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<400> 18

Asp Arg Gln Ser Ala Gln Pro Glu Glu Val Tyr
Leu Arg
1   5   10

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<400> 19

Gln Ser Ala Gln Pro Glu Glu Val Tyr Leu Arg
1   5   10

<210> 20
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<400> 20

Phe Ala Pro Gln Ile Arg Val Asn Leu Asn Tyr
Arg Lys Gly Thr Gly
1   5   10
15

<210> 21
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<400> 21

Ala Ser Gln Pro Asp Pro Asn Arg Phe Asp Arg
Asp Arg
1   5   10

<210> 22
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<400> 22

Leu Asn Leu Lys Asp Gly Val Asn Ala Cys Ile
Leu Pro Leu Leu
1   5   10
15

<210> 23
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<400> 23

Cys Thr Asp Asp Tyr Tyr Arg Gly His
1   5

<210> 24
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<400> 24

Leu Val Glu Asn Gly Ala Asn Val His Ala Arg
Ala Cys Gly Arg Phe
1   5   10
15

<210> 25
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<212> PRT
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<400> 25

Glu Asp Pro Ser Gly Ala Gly Val Pro Arg
1   5   10

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<400> 26

Gly Ala Ser Glu Glu Asn Tyr Val Pro Val Gln
Leu Leu Gln Ser
1   5   10
15

<210> 27
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<400> 27

Trp Ser Ser Thr Asp Leu Gly Ala Ala Ala Asp
Pro Leu Gln Lys
1   5   10
15

<210> 28
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<400> 28

Leu Leu Ser Gln Asp Ser Val Ala Ala Ser Thr
Glu Lys
1   5   10

<210> 29
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<400> 29

Leu Leu Ser Gln Asp Ser Val Ala Ala Ser Thr
Glu Lys Thr Leu Arg
1   5   10
15

<210> 30
<211> 21
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<400> 30

Ala Met Leu Asn Leu His Asp Gly Gln Asn Thr
Thr Ile Pro Leu Leu
1   5   10
15

Leu Glu Ile Ala Arg
            20

<210> 31
<211> 19
<212> PRT
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<400> 31

Gln Thr Asp Ser Leu Lys Glu Leu Val Asn Ala
Ser Tyr Thr Asp Ser
1   5   10
15

Tyr Tyr Lys

<210> 32
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<400> 32

Gly Gln Thr Ala Leu His Ile Ala Ile Glu Arg
1   5   10

<210> 33
<211> 26
<212> PRT
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<400> 33

Asn Met Ala Leu Val Thr Leu Leu Val Glu Asn
Gly Ala Asp Val Gln
1   5   10
15

Ala Ala Ala His Gly Asp Phe Phe Lys Lys
            20   25

<210> 34
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<400> 34

Phe Leu Leu Gln Asn Ser Trp Gln Thr Ala Asp
Ile Ser Ala Arg
1   5   10
15

<210> 35
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<400> 35

Asp Ser Val Gly Asn Thr Val Leu His Ala Leu
Val Glu Val Ala Asp
1   5   10
15

Asn Thr Ala Asp Asn Thr Lys
            20

<210> 36
<211> 13
<212> PRT
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<400> 36

Leu His Pro Thr Leu Lys Leu Glu Glu Leu Thr
Asn Lys
1   5   10

<210> 37
<211> 14
<212> PRT
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<220>
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<400> 37

Lys Gly Met Thr Pro Leu Ala Leu Ala Ala Gly
Thr Gly Lys
1   5   10

<210> 38
<211> 13
<212> PRT
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<220>
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<400> 38

Gly Met Thr Pro Leu Ala Leu Ala Ala Gly Thr
Gly Lys
1   5   10

<210> 39
<211> 10
<212> PRT
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<220>
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<400> 39

Ile Gly Val Leu Ala Tyr Ile Leu Gln Arg
1   5   10

<210> 40
<211> 9
<212> PRT
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<400> 40

Ala Ile Thr Ile Leu Asp Thr Glu Lys
1   5

<210> 41
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<400> 41

Thr Leu Ser Phe Ser Leu Arg
1   5

<210> 42
<211> 9
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<400> 42

Asn Phe Ala Leu Val Pro Leu Leu Arg
1   5

<210> 43
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<400> 43

Glu Ala Ser Ala Arg Asp Arg Gln Ser Ala Gln
Pro Glu Glu Val Tyr
1   5   10
15

Leu Arg

<210> 44
<211> 13
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<400> 44

Asp Arg Gln Ser Ala Gln Pro Glu Glu Val Tyr
Leu Arg
1   5   10

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