

SEQUENCE LISTING

<110> European Molecular Biology Laboratory

<120> Peptides for the specific binding and regulation of
protein
targets

<130> E30997PCT

<160> 39

<170> PatentIn version 3.3

<210> 1

<211> 7

<212> PRT

<213> Homo sapiens

<400> 1

Glu Tyr Cys Phe Tyr Val Asp
1 5

<210> 2

<211> 13

<212> PRT

<213> Homo sapiens

<400> 2

Ser Pro Ser Glu Tyr Cys Phe Tyr Val Asp Ser Asp Met
1 5 10

<210> 3

<211> 7

<212> PRT

<213> Homo sapiens

<400> 3

Glu Tyr Asp Phe Arg Asn Asp
1 5

<210> 4

<211> 13

<212> PRT

<213> Homo sapiens

<400> 4

Leu Leu Ala Glu Tyr Asp Phe Arg Asn Asp Ser Val Asn
1 5 10

<210> 5

<211> 7

<212> PRT

<213> Homo sapiens

<400> 5

Glu Tyr Glu Phe Thr Asp Asp
1 5

<210> 6

<211> 13

<212> PRT

<213> Homo sapiens

<400> 6

Lys Ile Gln Glu Tyr Glu Phe Thr Asp Asp Pro Ile Asp
1 5 10

<210> 7

<211> 7

<212> PRT

<213> Homo sapiens

<400> 7

Glu Tyr Leu Phe Asn Phe Asp
1 5

<210> 8

<211> 13

<212> PRT

<213> Homo sapiens

<400> 8

Asp Lys Phe Glu Tyr Leu Phe Asn Phe Asp Asn Thr Phe
1 5 10

<210> 9

<211> 8

<212> PRT
 <213> Homo sapiens

<400> 9

Leu Gln Leu Leu Asp Glu Val Leu
 1 5

<210> 10
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 10

His Arg Ala Leu Gln Leu Leu Asp Glu Val Leu His Thr Met
 1 5 10

<210> 11
 <211> 8
 <212> PRT
 <213> Homo sapiens

<400> 11

Leu Gln Trp Leu Asp Lys Val Leu
 1 5

<210> 12
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 12

His Gly Pro Leu Gln Trp Leu Asp Lys Val Leu Thr Gln Met
 1 5 10

<210> 13
 <211> 8
 <212> PRT
 <213> Homo sapiens

<400> 13

Asn Gln Gln Tyr Leu Asn His Pro
 1 5

<210> 14
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 14

Ser Leu Asn Gln Gln Tyr Leu Asn His Pro Pro Pro
 1 5 10

<210> 15
 <211> 8
 <212> PRT
 <213> Homo sapiens

<400> 15

Asn Thr Asn Glu Tyr Leu Glu Lys
 1 5

<210> 16
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 16

Thr Asn Gln Asn Thr Asn Glu Tyr Leu Glu Lys Ile Lys Gln
 1 5 10

<210> 17
 <211> 4
 <212> PRT
 <213> Homo sapiens

<400> 17

Tyr Ala Gly Ile
 1

<210> 18
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 18

Phe Glu Asn Phe Thr Tyr Ala Gly Ile Asp Ala Thr Ala Glu
 1 5 10

<210> 19
 <211> 4
 <212> PRT
 <213> Homo sapiens

<400> 19

Tyr Ala Asp Ile
 1

<210> 20
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 20

Ser Val Val Tyr Ala Asp Ile Arg Lys Asn
 1 5 10

<210> 21
 <211> 4
 <212> PRT
 <213> Homo sapiens

<400> 21

Tyr Ala Val Ile
 1

<210> 22
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 22

Arg Thr Glu Leu Tyr Ala Val Ile Asp Ile Glu Arg
 1 5 10

<210> 23
 <211> 5
 <212> PRT
 <213> Homo sapiens

<400> 23

Thr Gln Pro Ala Tyr
1 5

<210> 24

<211> 11

<212> PRT

<213> Homo sapiens

<400> 24

Ala Tyr Gly Thr Gln Pro Ala Tyr Pro Ala Tyr
1 5 10

<210> 25

<211> 5

<212> PRT

<213> Homo sapiens

<400> 25

Thr Phe Pro Ala Tyr
1 5

<210> 26

<211> 11

<212> PRT

<213> Homo sapiens

<400> 26

Leu Thr Gly Thr Phe Pro Ala Tyr Pro Gly Ser
1 5 10

<210> 27

<211> 4

<212> PRT

<213> Homo sapiens

<400> 27

Phe Ser Asp Leu
1

<210> 28

<211> 10
 <212> PRT
 <213> Homo sapiens

<400> 28

Gln Glu Thr Phe Ser Asp Leu Trp Lys Leu
 1 5 10

<210> 29
 <211> 4
 <212> PRT
 <213> Homo sapiens

<400> 29

Arg Leu Ile Phe
 1

<210> 30
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 30

His Ser Lys Arg Arg Leu Ile Phe Ser Lys Arg
 1 5 10

<210> 31
 <211> 4
 <212> PRT
 <213> Homo sapiens

<400> 31

Arg Leu Leu Phe
 1

<210> 32
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 32

His Arg Arg Arg Leu Leu Phe Ala Cys Ser
 1 5 10

<210> 33
 <211> 4
 <212> PRT
 <213> Homo sapiens

<400> 33

Lys Ile Gln Phe
 1

<210> 34
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 34

Ser Pro Gln Lys Ile Gln Phe Thr Val Pro
 1 5 10

<210> 35
 <211> 4
 <212> PRT
 <213> Homo sapiens

<400> 35

Arg Val Ala Phe
 1

<210> 36
 <211> 55
 <212> PRT
 <213> Artificial

<220>
 <223> peptide containing 6 times motif EYCFYVD

<400> 36

Glu Tyr Cys Phe Tyr Val Asp Ser Pro Ser Glu Tyr Cys Phe Tyr
 Val
 1 5 10 15

Asp Phe Pro Glu Tyr Cys Phe Tyr Val Asp Ser Asp Pro Ser Glu
 Tyr

20

25

30

Cys Phe Tyr Val Asp Pro Phe Glu Tyr Cys Phe Tyr Val Asp Ser
Ser

35

40

45

Glu Tyr Cys Phe Tyr Val Asp
50 55

<210> 37

<211> 46

<212> PRT

<213> Artificial

<220>

<223> peptide containing 3 times motif LQWLDKVL

<400> 37

His Gly Pro Leu Gln Trp Leu Asp Lys Val Leu Thr Gln Met Phe
Pro

1

5

10

15

His Gly Pro Leu Gln Trp Leu Asp Lys Val Leu Thr Gln Met Pro
Phe

20

25

30

His Gly Pro Leu Gln Trp Leu Asp Lys Val Leu Thr Gln Met
35 40 45

<210> 38

<211> 46

<212> PRT

<213> Artificial

<220>

<223> peptide containing 3 times motif NTNEYLEK

<400> 38

Thr Asn Gln Asn Thr Asn Glu Tyr Leu Glu Lys Ile Lys Gln Phe
Pro

1

5

10

15

Thr Asn Gln Asn Thr Asn Glu Tyr Leu Glu Lys Ile Lys Gln Pro
 Phe
 20 25 30

Thr Asn Gln Asn Thr Asn Glu Tyr Leu Glu Lys Ile Lys Gln
 35 40 45

<210> 39
 <211> 52
 <212> PRT
 <213> Artificial

<220>
 <223> peptide containing 6 times motif RLLF

<400> 39

Arg Arg Arg Leu Leu Phe Ala Cys Arg Arg Arg Leu Leu Phe Ala
 Cys
 1 5 10 15

Phe Pro Arg Arg Arg Leu Leu Phe Ala Cys Arg Arg Arg Leu Leu
 Phe
 20 25 30

Ala Cys Pro Phe Arg Arg Arg Leu Leu Phe Ala Cys Arg Arg Arg
 Leu
 35 40 45

Leu Phe Ala Cys
 50