

SEQUENCE LISTING

<110> The National Institute of Advanced Industrial Science and Technology

<120> Method for screening polypeptides acting on a target protein

<130> PSK-9038W0

<150> JP2020-132823

<151> 2020-08-05

<160> 27

<170> PatentIn version 3.5

<210> 1

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide (library based on GTx1-15)

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<221> misc_feature

<222> (5)..(6)

<223> Xaa can be any naturally occurring amino acid

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<222> (20)..(20)

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<222> (31)..(34)

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Xaa Xaa

<210> 2
 <211> 34
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 <213> Grammostola rosea

<400> 2

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Val Phe

<210> 3
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 <213> Homo sapiens

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<210> 4
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<220>
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<400> 4

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

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<220>
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<400> 5

Asp Cys Leu Gly Ser Ser Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
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Phe Leu

<210> 6

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide (Clone 16)

<400> 6

Asp Cys Leu Gly Arg Trp Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
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Cys Arg Pro Ile Leu Val Leu Cys Thr Pro Ser Gly
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<210> 7

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide (Clone 30)

<400> 7

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

<210> 8
<211> 34
<212> PRT
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<220>
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Val Met

<210> 9
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<400> 9

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<210> 10

<211> 34
<212> PRT
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<400> 10

Asp Cys Leu Gly Arg Trp Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
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Gly Ser

<210> 11
<211> 34
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<223> synthetic peptide (enriched (5 rounds) plasmid DNA sequence)

<400> 11

Asp Cys Leu Gly Pro Pro Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
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Leu Val

<210> 12
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Met Gly

<210> 13

<211> 34

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<400> 13

Asp Cys Leu Gly Ser Ser Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
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Cys Arg Pro Pro Leu Val Cys Ser Arg Thr His Lys Ser Cys Thr Leu
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Phe Leu

<210> 14

<211> 34

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<400> 14

Asp Cys Leu Gly Gly Glu Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
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Cys Arg Pro Pro Leu Val Cys Ser Arg Thr His Lys Tyr Cys Val Val
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Met Ile

<210> 15
<211> 34
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Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
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Cys Arg Pro Val Leu Val Cys Ser Arg Thr His Lys Ser Cys Leu Leu
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Ala Lys

<210> 16
<211> 34
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Cys Arg Pro Tyr Leu Val Cys Ser Arg Thr His Lys Met Cys Met Gly
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Ile Ile

<210> 17
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<400> 17

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Val Val Gln Ile Leu Tyr Ala Val Glu Arg Thr Lys Lys Cys Trp Ser
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Ala Lys

<210> 18
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
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Cys Arg Pro Ile Leu Val Cys Ser Arg Thr His Lys Thr Cys Ile Phe
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Tyr Phe

<210> 19
<211> 34
<212> PRT

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Ala Lys

<210> 20

<211> 34

<212> PRT

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Ala Ala

<210> 21

<211> 34

<212> PRT

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<220>

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<400> 21

Asp Cys Leu Gly Met Ser Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
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Cys Arg Pro Val Leu Val Cys Ser Arg Thr His Lys Met Cys Ile Leu
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Val Lys

<210> 22

<211> 34

<212> PRT

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<220>

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<400> 22

Asp Cys Leu Gly His Gln Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
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Cys Arg Pro Ala Leu Val Cys Ser Arg Thr His Lys Ala Cys Thr Phe
20 25 30

Val Ile

<210> 23

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

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<400> 23

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

20

25

30

Ser Asp

<210> 24

<211> 34

<212> PRT

<213> Artificial Sequence

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Cys	Arg	Pro	Val	Leu	Val	Cys	Ser	Arg	Thr	His	Lys	Met	Cys	Ile	Ile
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Ala Lys

<210> 25

<211> 34

<212> PRT

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Cys	Arg	Pro	Ile	Leu	Val	Cys	Ser	Arg	Thr	His	Lys	Phe	Cys	Ile	Met
			20					25					30		

Ala Lys

<210> 26
<211> 34
<212> PRT
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Phe Val

<210> 27
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<213> Artificial Sequence

<220>
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Cys Arg Pro Val Leu Val Cys Ser Arg Thr His Lys Phe Cys Phe Leu
20 25 30

Val Met