

SEQUENCE LISTING

<110> Imcyse SA

<120> IMMUNOGENIC PEPTIDES WITH IMPROVED OXIDOREDUCTASE MOTIFS

<130> IMCY-023-PCT

<150> 18205615.0

<151> 2018-11-12

<150> 18205611.9

<151> 2018-11-12

<160> 321

<170> PatentIn version 3.5

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<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide

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Leu Gln Lys Arg Gly
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Gln Lys Arg Gly
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Leu Gln Lys Arg Gly
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Lys Arg Gly

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Gln Lys Arg Gly
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Gly Ile Thr Glu Leu
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Lys	His	Cys	Pro	Tyr	Cys	Val	Gln	Tyr	Ile	Lys	Ala	Asn	Ser	Lys	Phe
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Ile	Gly	Ile	Thr	Glu	Leu
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Ile	Thr	Glu	Leu
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Gly	Ile	Thr	Glu	Leu
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Lys	Cys	Pro	Tyr	Cys	Gly	Trp	Tyr	Arg	Ser	Pro	Phe	Ser	Arg	Val	Val
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His	Leu	Tyr	Arg
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<400> 12

Lys	His	Cys	Pro	Tyr	Cys	Gly	Trp	Tyr	Arg	Ser	Pro	Phe	Ser	Arg	Val
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Val	His	Leu	Tyr	Arg
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Cys	Pro	Tyr	Cys	Gly	Trp	Tyr	Arg	Ser	Pro	Phe	Ser	Arg	Val	Val	His
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Leu	Tyr	Arg
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His Leu Tyr Arg
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Lys Arg Gly

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Cys Lys Tyr Cys Ser Leu Gln Pro Leu Ala Leu Glu Gly Ser Leu Gln
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Lys Arg Gly

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Lys Arg Gly

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Lys Arg Gly

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Lys Arg Gly

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Lys Arg Gly

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Lys Arg Gly

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Lys Arg Gly

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<400> 23

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Lys Arg Gly

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Cys	Gly	His	Cys	Ser	Leu	Gln	Pro	Leu	Ala	Leu	Glu	Gly	Ser	Leu	Gln
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Lys Arg Gly

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Cys	Gly	Lys	Cys	Ser	Leu	Gln	Pro	Leu	Ala	Leu	Glu	Gly	Ser	Leu	Gln
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Lys Arg Gly

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Gln Lys Arg Gly
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Leu Gln Lys Arg Gly
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Lys Arg Gly

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Gly Ile Thr Glu Leu
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Ile Gly Ile Thr Glu Leu
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Ile Thr Glu Leu
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Gln Lys Arg Gly
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Gln Lys Arg Gly
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Leu Gln Lys Arg Gly
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Leu Gln Lys Arg Gly
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Leu Gln Lys Arg Gly
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Ser Leu Gln Lys Arg Gly
20

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Ser Leu Gln Lys Arg Gly
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Ser Leu Gln Lys Arg Gly
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Lys Arg Gly

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Val His Leu Tyr Arg
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His Leu Tyr Arg
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Val Val His Leu Tyr Arg
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His Leu Tyr Arg
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Cys Pro Tyr Cys Gly Trp Tyr Arg Ser Pro Phe Ser Arg Val Val His
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Leu Tyr Arg

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His Leu Tyr Arg
20

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<400> 47

Lys His Cys Pro Tyr Cys Gly Trp Tyr Arg Ser Pro Phe Ser Arg Val
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Val His Leu Tyr Arg
20

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His Leu Tyr Arg
20

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<400> 49

Lys His Cys Lys Tyr Cys Gly Trp Tyr Arg Ser Pro Phe Ser Arg Val
1 5 10 15

Val His Leu Tyr Arg
20

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Lys Cys Lys Tyr Cys Gly Trp Tyr Arg Ser Pro Phe Ser Arg Val Val
1 5 10 15

His Leu Tyr Arg
20

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Lys Cys Pro Lys Cys His Lys Gly Trp Tyr Arg Ser Pro Phe Ser Arg
1 5 10 15

Val Val His Leu Tyr Arg
20

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Arg His Cys Pro Tyr Cys Gly Trp Tyr Arg Ser Pro Phe Ser Arg Val
1 5 10 15

Val His Leu Tyr Arg
20

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Arg Cys Pro Tyr Cys Gly Trp Tyr Arg Ser Pro Phe Ser Arg Val Val
1 5 10 15

His Leu Tyr Arg
20

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1 5 10 15

Leu Tyr Arg

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Xaa Xaa Xaa Cys
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<223> C, S or T

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Xaa Xaa Xaa Cys
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<223> C, S or T

<400> 58

Cys Xaa Xaa Xaa
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Xaa Xaa Xaa Xaa Xaa Xaa Cys
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Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
1 5

<210> 71
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<223> Xaa can be any naturally occurring amino acid

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<223> C, S or T

<220>
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<222> (5)..(5)
<223> basic amino acid

<400> 71

Cys Xaa Xaa Xaa Xaa
1 5

<210> 72
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<223> basic amino acid which is not R

<400> 72

Cys Xaa Xaa Xaa Xaa Xaa
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<210> 73
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<220>
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<223> basic amino acid which is not R or H

<400> 73

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<210> 74
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<220>
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<222> (8)..(8)
<223> basic amino acid which is not R or H

<400> 74

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1 5

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<220>
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<400> 75

Cys Arg Leu Cys
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<210> 76
<211> 15
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<220>
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<400> 76

Cys Arg Leu Cys Lys Val Ala Pro Val Ile Lys Ala Arg Met Met
1 5 10 15

<210> 77
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<223> V,I,L or M

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<223> F,W,Y,H or T

<400> 77

Xaa Xaa Xaa Xaa Xaa Xaa Xaa

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<221> PEPTIDE

<222> (7)..(7)

<223> F,W,Y or H

<400> 78

Xaa Xaa Xaa Xaa Xaa Xaa Xaa
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<210> 79

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<223> Xaa can be any naturally occurring amino acid

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<223> F,W,Y or T

<400> 79

Xaa Xaa Xaa Xaa Xaa Xaa Xaa
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<223> F,W or Y

<400> 80

Xaa Xaa Xaa Xaa Xaa Xaa Xaa
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<223> Xaa can be any naturally occurring amino acid

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<223> F,W,Y or H

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Xaa Xaa Xaa Xaa Xaa Xaa Xaa

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<223> F,W,Y, H or T

<400> 82

Xaa Xaa Xaa Xaa Xaa Xaa Xaa

1 5

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<223> F,W or Y

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Xaa Xaa Xaa Xaa Xaa Xaa Xaa
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<400> 84

Xaa Xaa Xaa Cys
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<210> 85

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<222> (4)..(4)

<223> C, S or T

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Cys Xaa Xaa Xaa
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<210> 86

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<223> Xaa can be any naturally occurring amino acid

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<400> 86

Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1 5

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<223> F or W

<400> 87

Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1 5

<210> 88
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<222> (2)..(2)

<223> basic amino acid

<400> 88

Xaa Xaa Tyr Cys

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<210> 89

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<222> (2)..(2)

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<222> (4)..(4)

<223> C, S or T

<400> 89

Cys Xaa Tyr Xaa

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<210> 90

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<223> C, S or T

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<222> (3)..(3)

<223> basic amino acid

<400> 90

Xaa Pro Xaa Cys

1

<210> 91

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<222> (3)..(3)

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<222> (4)..(4)

<223> C, S or T

<400> 91

Cys Pro Xaa Xaa

1

<210> 92

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<223> C, S or T

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<222> (2)..(2)

<223> basic amino acid

<400> 92

Xaa Xaa Gly Cys

1

<210> 93

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<222> (2)..(2)

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<222> (4)..(4)

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Cys Xaa Gly Xaa

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<400> 94

Xaa His Xaa Cys

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<210> 95

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Cys His Xaa Xaa

1

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Xaa Xaa Pro Cys

1

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Cys Xaa Pro Cys

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<400> 98

Xaa Gly Xaa Cys

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Xaa Xaa Phe Cys

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Xaa Xaa Xaa His Gly Cys
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<223> C, S or T

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Xaa Xaa Xaa Xaa His Gly Cys

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