

SEQUENCE LISTING

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 BAIMA, Eric J
 EWIN, Richard A

<120> ANTIMICROBIAL PEPTIDES AND METHOD OF USING SAME

<130> ZP000218A

<140> PCT/US2018/064029

<141> 2018-12-05

<150> 62/595,725

<151> 2017-12-07

<160> 117

<170> PatentIn version 3.5

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Lys

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Arg

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Arg

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Asn

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Cys Arg

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Arg Asp

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Cys Asn

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Asn

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Asn

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Asn

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Asn

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Gly Phe Cys Trp Tyr Val Cys Arg Arg Arg Phe Cys Tyr Arg Arg Cys
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Asn

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Pro Gly Phe Cys Trp Tyr Val Cys Arg Arg Arg Phe Cys Tyr Arg Arg
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Cys Asn Asp

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<400> 40

Gly Phe Cys Trp Tyr Val Cys Arg Arg Arg His Cys Tyr Arg Arg Cys
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Asn

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Lys

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Asn

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Asn

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Asn

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Asn

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Asn

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Asn

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Arg

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Asn

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Asn

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Lys

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Asn

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Lys

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Lys

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Lys

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Asn

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Asn

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Asn

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Gly Phe Cys Trp Asn Val Cys Tyr Arg Gly Ile Cys His Arg Arg Cys
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Asn

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Lys

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Asn

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Asn

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Asn

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Lys

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Asn

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Asn

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Asn

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Asn

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Asn

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Lys

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<223> Artificial Antimicrobial peptide

<400> 84

Gly	Val	Cys	Val	Asn	Val	Cys	Arg	Arg	Arg	Phe	Cys	His	Arg	Arg	Cys
1				5					10					15	

Asn

<210> 85
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Artificial Antimicrobial peptide

<400> 85

Lys	Lys	Val	Cys	Val	Asn	Val	Cys	Lys	Gln	Gly	Ile	Cys	His	Lys	Arg
1				5					10					15	

Cys Lys

<210> 86
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Artificial Antimicrobial peptide

<400> 86

Lys	Lys	Val	Cys	Val	Asn	Val	Cys	Arg	Gln	Gly	Ile	Cys	His	Arg	Arg
1				5					10					15	

Cys Lys

<210> 87

<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Artificial Antimicrobial peptide

<400> 87

Gly Phe Cys Arg Tyr Val Cys Arg Arg Gly Ile Cys Arg Arg Arg Cys
1 5 10 15

Asn

<210> 88
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Artificial Antimicrobial peptide

<400> 88

Lys Phe Cys Val Asn Val Cys Tyr Arg Gly Ile Cys Arg Arg Arg Cys
1 5 10 15

Lys

<210> 89
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Artificial Antimicrobial peptide

<400> 89

Lys Cys Arg Arg Val Cys Arg Arg Gly Phe Cys Tyr Val Val Cys Asn
1 5 10 15

<210> 90
<211> 17
<212> PRT
<213> Artificial Sequence

<220>

<223> Artificial Antimicrobial peptide

<400> 90

Gly His Cys His His Val Cys Arg Arg Arg His Cys His Arg Arg Cys
1 5 10 15

Asn

<210> 91

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Antimicrobial peptide

<400> 91

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

Asn

<210> 92

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Antimicrobial peptide

<400> 92

Arg Gly Gly Arg Leu Cys Tyr Cys Arg Arg Arg Phe Cys Val Cys Val
1 5 10 15

Gly Arg

<210> 93

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Antimicrobial peptide

<400> 93

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

Cys Arg

<210> 94

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Antimicrobial peptide

<400> 94

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

Asn

<210> 95

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Antimicrobial peptide

<400> 95

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

Asn

<210> 96

<211> 18

<212> PRT
<213> Artificial Sequence

<220>
<223> Artificial Antimicrobial peptide

<400> 96

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

Arg Asp

<210> 97
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Artificial Antimicrobial peptide

<400> 97

Lys	Arg	Cys	Phe	Arg	Val	Cys	Tyr	Arg	Gly	Ile	Cys	Tyr	Arg	Arg	Cys
1				5				10						15	

Arg Asp

<210> 98
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Artificial Antimicrobial peptide

<400> 98

Lys	Trp	Cys	Val	Arg	Val	Cys	Tyr	Arg	Gly	Ile	Cys	Tyr	Arg	Arg	Cys
1				5				10						15	

Arg Asp

<210> 99

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

<220>
<223> Artificial Antimicrobial peptide

<400> 99

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

Arg Asp

<210> 100
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Artificial Antimicrobial peptide

<400> 100

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

Arg Asp

<210> 101
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Artificial Antimicrobial peptide

<400> 101

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

Cys Arg Asp

<210> 102
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Artificial Antimicrobial peptide

<400> 102

Lys	Trp	Cys	Phe	Arg	Ala	Cys	Tyr	Arg	Gly	Ile	Cys	Tyr	Arg	Arg	Cys
1				5					10					15	

Arg Asp

<210> 103
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Artificial Antimicrobial peptide

<400> 103

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

Arg Asp

<210> 104
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Artificial Antimicrobial peptide

<400> 104

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

Arg Asp

<210> 105
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Artificial Antimicrobial peptide

<400> 105

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

Arg Asn

<210> 106
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Artificial Antimicrobial peptide

<400> 106

Lys	Trp	Cys	Trp	Arg	Val	Cys	Tyr	Arg	Gly	Ile	Cys	Tyr	Arg	Arg	Cys
1				5					10					15	

Arg Asp

<210> 107
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Artificial Antimicrobial peptide

<400> 107

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

Arg Asp

<210> 108
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Artificial Antimicrobial peptide

<400> 108

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

Arg Asp

<210> 109
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Artificial Antimicrobial peptide

<400> 109

Lys	Trp	Cys	Phe	Arg	Val	Cys	Tyr	Arg	Arg	Ile	Cys	Tyr	Arg	Arg	Cys
1				5				10					15		

Arg Asp

<210> 110
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Artificial Antimicrobial peptide

<400> 110

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

Arg Asp

<210> 111
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Artificial Antimicrobial peptide

<400> 111

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

Cys Arg Asp

<210> 112
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Artificial Antimicrobial peptide

<400> 112

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

Lys Asp

<210> 113
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Artificial Antimicrobial peptide

<400> 113

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

Ala Asp

<210> 114
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Artificial Antimicrobial peptide

<400> 114

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

Arg Arg

<210> 115
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Artificial Antimicrobial peptide

<400> 115

Gly Trp Cys Phe Arg Val Cys Tyr Arg Gly Ile Cys Tyr Arg Arg Cys
1 5 10 15

Asn Asp

<210> 116
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Artificial Antimicrobial peptide

<400> 116

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

Asn Asp

<210> 117
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Artificial Antimicrobial peptide

<400> 117

Gly	Trp	Cys	Phe	Tyr	Val	Cys	Tyr	Arg	Gly	Ile	Cys	Tyr	Arg	Arg	Cys
1				5					10					15	

Arg Asp