

SEQUENCE LISTING

<110> INSERM TRANSFERT
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 INRA
 UNIVERSITE PARIS SUD

<120> POLYPEPTIDE FOR USE IN THE PROTECTION OF OXYGEN SENSITIVE
 GRAM-POSITIVE BACTERIA

<130> BET18P2288

<150> EP17305925.4
 <151> 2017-07-13

<160> 4

<170> PatentIn version 3.5

<210> 1
 <211> 175
 <212> PRT
 <213> Homo sapiens

<400> 1

Met Leu Pro Pro Met Ala Leu Pro Ser Val Ser Trp Met Leu Leu Ser
 1 5 10 15

Cys Leu Met Leu Leu Ser Gln Val Gln Gly Glu Glu Pro Gln Arg Glu
 20 25 30

Leu Pro Ser Ala Arg Ile Arg Cys Pro Lys Gly Ser Lys Ala Tyr Gly
 35 40 45

Ser His Cys Tyr Ala Leu Phe Leu Ser Pro Lys Ser Trp Thr Asp Ala
 50 55 60

Asp Leu Ala Cys Gln Lys Arg Pro Ser Gly Asn Leu Val Ser Val Leu
 65 70 75 80

Ser Gly Ala Glu Gly Ser Phe Val Ser Ser Leu Val Lys Ser Ile Gly
 85 90 95

Asn Ser Tyr Ser Tyr Val Trp Ile Gly Leu His Asp Pro Thr Gln Gly
 100 105 110

Thr Glu Pro Asn Gly Glu Gly Trp Glu Trp Ser Ser Ser Asp Val Met
 115 120 125

Asn Tyr Phe Ala Trp Glu Arg Asn Pro Ser Thr Ile Ser Ser Pro Gly
 130 135 140

His Cys Ala Ser Leu Ser Arg Ser Thr Ala Phe Leu Arg Trp Lys Asp
 145 150 155 160

Tyr Asn Cys Asn Val Arg Leu Pro Tyr Val Cys Lys Phe Thr Asp
 165 170 175

<210> 2
<211> 150
<212> PRT
<213> Artificial Sequence

<220>
<223> recombinant form

<400> 2

Met Glu Glu Pro Gln Arg Glu Leu Pro Ser Ala Arg Ile Arg Cys Pro
1 5 10 15

Lys Gly Ser Lys Ala Tyr Gly Ser His Cys Tyr Ala Leu Phe Leu Ser
20 25 30

Pro Lys Ser Trp Thr Asp Ala Asp Leu Ala Cys Gln Lys Arg Pro Ser
35 40 45

Gly Asn Leu Val Ser Val Leu Ser Gly Ala Glu Gly Ser Phe Val Ser
50 55 60

Ser Leu Val Lys Ser Ile Gly Asn Ser Tyr Ser Tyr Val Trp Ile Gly
65 70 75 80

Leu His Asp Pro Thr Gln Gly Thr Glu Pro Asn Gly Glu Gly Trp Glu
85 90 95

Trp Ser Ser Ser Asp Val Met Asn Tyr Phe Ala Trp Glu Arg Asn Pro
100 105 110

Ser Thr Ile Ser Ser Pro Gly His Cys Ala Ser Leu Ser Arg Ser Thr
115 120 125

Ala Phe Leu Arg Trp Lys Asp Tyr Asn Cys Asn Val Arg Leu Pro Tyr
130 135 140

Val Cys Lys Phe Thr Asp
145 150

<210> 3
<211> 149
<212> PRT
<213> Homo sapiens

<400> 3

Glu Glu Pro Gln Arg Glu Leu Pro Ser Ala Arg Ile Arg Cys Pro Lys
1 5 10 15

Gly Ser Lys Ala Tyr Gly Ser His Cys Tyr Ala Leu Phe Leu Ser Pro
20 25 30

Lys Ser Trp Thr Asp Ala Asp Leu Ala Cys Gln Lys Arg Pro Ser Gly
35 40 45

Asn Leu Val Ser Val Leu Ser Gly Ala Glu Gly Ser Phe Val Ser Ser

50

55

60

Leu Val Lys Ser Ile Gly Asn Ser Tyr Ser Tyr Val Trp Ile Gly Leu
65 70 75 80

His Asp Pro Thr Gln Gly Thr Glu Pro Asn Gly Glu Gly Trp Glu Trp
85 90 95

Ser Ser Ser Asp Val Met Asn Tyr Phe Ala Trp Glu Arg Asn Pro Ser
100 105 110

Thr Ile Ser Ser Pro Gly His Cys Ala Ser Leu Ser Arg Ser Thr Ala
115 120 125

Phe Leu Arg Trp Lys Asp Tyr Asn Cys Asn Val Arg Leu Pro Tyr Val
130 135 140

Cys Lys Phe Thr Asp
145

<210> 4
<211> 138
<212> PRT
<213> Homo sapiens

<400> 4

Ile Arg Cys Pro Lys Gly Ser Lys Ala Tyr Gly Ser His Cys Tyr Ala
1 5 10 15

Leu Phe Leu Ser Pro Lys Ser Trp Thr Asp Ala Asp Leu Ala Cys Gln
20 25 30

Lys Arg Pro Ser Gly Asn Leu Val Ser Val Leu Ser Gly Ala Glu Gly
35 40 45

Ser Phe Val Ser Ser Leu Val Lys Ser Ile Gly Asn Ser Tyr Ser Tyr
50 55 60

Val Trp Ile Gly Leu His Asp Pro Thr Gln Gly Thr Glu Pro Asn Gly
65 70 75 80

Glu Gly Trp Glu Trp Ser Ser Ser Asp Val Met Asn Tyr Phe Ala Trp
85 90 95

Glu Arg Asn Pro Ser Thr Ile Ser Ser Pro Gly His Cys Ala Ser Leu
100 105 110

Ser Arg Ser Thr Ala Phe Leu Arg Trp Lys Asp Tyr Asn Cys Asn Val
115 120 125

Arg Leu Pro Tyr Val Cys Lys Phe Thr Asp
130 135