

SEQUENCE LISTING

<110> Université Libre de Bruxelles

<120> Anticomplement polypeptides of Ixodes ricinus

<130> ULBB138AWO

<160> 9

<170> PatentIn version 3.3

<210> 1

<211> 118

<212> PRT

<213> Ixodes ricinus

<400> 1

Met Lys Thr Val Leu Thr Cys Ala Phe Gly Leu Phe Leu Asn Glu Thr
1 5 10 15

Gln Glu Glu Pro Thr Thr Thr Ser Gln Asp Asp Lys Arg Tyr Glu Ala
20 25 30

Ser Trp Glu Ser Leu Ser Ile Arg Thr Asp Glu Lys Asn His Thr Lys
35 40 45

Gly Phe Leu Ser Gln Asn Leu Leu Gln Leu Gly Phe Ser Gly Gly Asp
50 55 60

Thr Ile Phe Thr Ser Asp Glu Ser Asn Glu Gln Lys Ser Leu Glu Thr
65 70 75 80

Glu Asp Asp Ser Val Thr Thr Lys Ala Pro Pro Pro Ser Glu Leu Leu
85 90 95

Tyr Gly Asn Ser Glu Lys Tyr Ala Ser Thr Pro Ala Pro Thr Leu Ser
100 105 110

Glu Pro Ile Lys Thr Glu
115

<210> 2

<211> 111

<212> PRT

<213> Ixodes ricinus

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Met Lys Thr Ala Leu Thr Cys Ala Phe Gly Leu Phe Gln Asn Glu Ser
1 5 10 15

Thr Pro Thr Pro Gln Glu Glu Lys Arg His Gln Ala Ser Trp Glu Thr
20 25 30

Leu Ser Ile Gln Thr Asp Glu Lys Asn His Thr Thr Gly Leu Arg Lys
35 40 45

Tyr Asn Trp Arg Phe Gly Thr Ala Asp Asp Met Phe Glu Phe Glu Glu
50 55 60

Asp Leu Glu Gln Arg Met Glu Arg Gly Glu Asp Ser Val Thr Thr Glu
65 70 75 80

Ala Pro Arg Pro Arg Glu Leu Thr Tyr Gly Asn Ser Glu Lys Asn Ala
85 90 95

Lys Thr Pro Ala Pro Thr Pro Phe Lys Pro Ala Val Val Leu Ala
100 105 110

<210> 3
<211> 110
<212> PRT
<213> Ixodes ricinus

<400> 3

Phe Gly Leu Phe His Asn Glu Val Gln Glu Glu Pro Ala Pro Ser Pro
1 5 10 15

Gln Gly Glu Glu Arg Tyr Lys Ala Asn Ser Trp Glu Ile Leu Ser Ile
20 25 30

Arg Thr Gly Asp Gln Gly His Thr Thr Asp Phe Arg Thr His Asn Leu
35 40 45

Gly Leu Gly Ser Ala Ser Asn Thr Ile Phe Thr Ser Asp Glu Thr Leu
50 55 60

Glu Glu Ser Pro Lys Ser Thr Glu Glu Asp Asp Ala Thr Thr Glu Thr
65 70 75 80

Pro Pro Pro Arg Asp Leu Leu Tyr Gly Asn Ser Glu Lys His Gly Ser
85 90 95

Thr Gln Ala Pro Thr Pro Ser Glu Leu Ala Lys Glu Met Glu
100 105 110

<210> 4

<211> 108
<212> PRT
<213> Ixodes ricinus

<400> 4

Phe Gly Leu Phe Gln Glu Glu Thr Tyr His Lys Pro Met Ser Lys Glu
1 5 10 15

Glu Lys His His Gln Tyr Thr Ser Trp Glu Ser Leu Ser Ile Glu Thr
20 25 30

Asp Glu Lys Gly Tyr Thr Lys Asp Phe His Lys Arg Asn Tyr Thr Met
35 40 45

Leu Gly Ser Val Asp Asn Met Phe Glu Phe Glu Glu Asn Leu Glu Gln
50 55 60

Ser Leu Gly Ser Asp Glu Asp Ser Ala Thr Thr Glu Val Pro Pro Pro
65 70 75 80

Gln Lys Glu Leu Phe Tyr Gly Asn Ser Glu Lys Tyr Ala Ser Thr Gln
85 90 95

Ala Pro Thr Leu Ser Glu Thr Ala Val Glu Ile Glu
100 105

<210> 5
<211> 109
<212> PRT
<213> Ixodes ricinus

<400> 5

Phe Gly Leu Phe Leu Asn Glu Thr Gln Glu Glu Pro Thr Pro Thr Pro
1 5 10 15

Gln Asp Glu Lys Arg Asn Gln Ala Ser Trp Glu Ser Leu Ser Ile Lys
20 25 30

Thr Asp Glu Lys Asn His Thr Lys Gly Phe Leu Ser Arg Asn Phe Gln
35 40 45

Leu Gly Ser Ala Asp Asn Thr Met Phe Lys Phe Asp Gly Ser Asn Glu
50 55 60

Leu Ser Pro Glu Gly Tyr Gly Asp Ser Val Thr Thr Glu Ala Pro Gln
65 70 75 80

Pro Lys Glu Leu Phe Tyr Gly Asn Ser Val Lys Tyr Ala Ser Thr Thr
85 90 95

Pro Pro Pro Thr Pro Ser Glu Pro Ala Val Val Ile Ala
100 105

<210> 6
<211> 123
<212> PRT
<213> Ixodes scapularis

<400> 6

Met Arg Thr Ala Phe Thr Cys Ala Leu Ala Ser Leu Pro Ser Asp Gly
1 5 10 15

Leu Glu Asp Thr Ile Val Glu Thr Thr Thr Gln Asn Glu Arg His Arg
20 25 30

His Ala Gln Ser His Ala Ala Val Asn His Pro Pro Val Ala Gly Ile
35 40 45

His Arg Ile Asn Lys Gln Phe Lys Ile Thr Ala Gln Glu Val Tyr Met
50 55 60

Gly Ser Asp Gly Asn Ser Asp Phe Glu Asp Lys Glu Thr Gly Thr Asp
65 70 75 80

Glu Asp Ser Asn Thr Gly Ser Ser Ala Ala Ala Lys Thr Ala Leu Ile
85 90 95

Ile Glu Glu Asn Thr Ala His Thr Gly Trp Thr Glu Thr Pro Thr Leu
100 105 110

Glu Pro Thr Thr Glu Ser Gln Phe Glu Ile Pro
115 120

<210> 7
<211> 116
<212> PRT
<213> Ixodes scapularis

<400> 7

Met Lys Thr Ala Leu Thr Cys Ala Leu Ala Ser Leu Ile Pro Ser Asp
1 5 10 15

Asn Gly Gln Glu Ser Glu Val Glu Thr Thr Thr Gln Ser Glu Arg Tyr
20 25 30

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

Arg Asn Ile Ser Lys Glu Phe Ser Thr Ser Glu Ser Leu Tyr Met Gly
50 55 60

Asn Glu Thr Pro Asn Ser Glu Glu Glu Gln Thr Gly Thr Ser Glu Lys
65 70 75 80

Pro Arg Pro Asp Lys Thr Gln Asp Ile Thr Arg Glu Asp Thr Ala Asn
85 90 95

Thr Gly Trp Thr Glu Ala Pro Thr Leu Ala Pro Thr Glu Thr Pro Glu
100 105 110

Leu Glu Thr Ala
115

<210> 8
<211> 127
<212> PRT
<213> Ixodes ricinus

<400> 8

Met Lys Thr Ala Leu Thr Cys Ala Leu Ala Ser Leu Gln Tyr Ser Asp
1 5 10 15

Gly Gly Glu Asp Thr Gly Glu Lys Ser Thr Lys Glu Asp Glu Lys Tyr
20 25 30

Arg Asp Ala Gln Leu Tyr Ala Pro Val Arg Ala Pro Pro Lys Glu Ile
35 40 45

Leu Asn Ile Ser Lys Ser Asp Phe Lys Thr Ala Asp Ser Val Tyr Thr
50 55 60

Glu Ser Asn Gly Asn Leu Ser Pro Glu Asp Glu Gln Thr Ser Lys Gly
65 70 75 80

Glu Asn Ser Glu Lys Val Ser Ser Ala Ala Val Thr Thr Thr Asn Leu
85 90 95

Ile Thr Lys Val Gln Glu Glu Thr Ala Asn Thr Gly Trp Thr Glu Ala
100 105 110

Pro Thr Asn Leu Glu Pro Thr Glu Thr Pro Glu Pro Glu Ile Pro

115

120

125

<210> 9
 <211> 119
 <212> PRT
 <213> Ixodes ricinus

<400> 9

Met Arg Thr Ala Leu Thr Cys Ala Leu Ala Ser Leu Pro Ser Asp Gly
 1 5 10 15

Gly Glu Arg Glu Ser Gly Val Glu Thr Thr Thr Gln Ser Glu His Phe
 20 25 30

Phe Arg His Ala Gln Ser Tyr Ala Pro Val Lys Ala Pro Pro Gln Gly
 35 40 45

Ile His Asn Ile Ser Arg Gln Phe Ser Leu Thr Val Asp Asn Leu Tyr
 50 55 60

Met Gly Asp Gln Thr Ser Asn Ser Gln Asn Glu Glu Gln Thr Gly Thr
 65 70 75 80

Ser Glu Glu Ser Arg Pro Val Arg Thr Gln Asp Ile Thr Lys Glu Ala
 85 90 95

Thr Ala Asn Thr Gly Trp Thr Lys Ala Pro Thr Leu Ala Pro Met Glu
 100 105 110

Thr Ser Glu Leu Glu Ile Ala
 115