

NGMB-142WO_SeqList
SEQUENCE LISTING

<110> NGM BIOPHARMACEUTICALS, Inc.
Shen, Wenyan
Lindhout, Darrin A.
Haldankar, Raj
Matern, Hugo

<120> COMPOSITIONS AND METHODS OF USE FOR TREATING METABOLIC DISEASES

<130> NGMB-142WO

<150> US 62/073,737

<151> 2014-10-31

<150> US 62/244,604

<151> 2015-10-21

<160> 136

<170> PatentIn version 3.5

<210> 1

<211> 112

<212> PRT

<213> Homo sapiens

<400> 1

Ala Arg Asn Gly Asp His Cys Pro Leu Gly Pro Gly Arg Cys Cys Arg
1 5 10 15

Leu His Thr Val Arg Ala Ser Leu Glu Asp Leu Gly Trp Ala Asp Trp
20 25 30

Val Leu Ser Pro Arg Glu Val Gln Val Thr Met Cys Ile Gly Ala Cys
35 40 45

Pro Ser Gln Phe Arg Ala Ala Asn Met His Ala Gln Ile Lys Thr Ser
50 55 60

Leu His Arg Leu Lys Pro Asp Thr Val Pro Ala Pro Cys Cys Val Pro
65 70 75 80

Ala Ser Tyr Asn Pro Met Val Leu Ile Gln Lys Thr Asp Thr Gly Val
85 90 95

Ser Leu Gln Thr Tyr Asp Asp Leu Leu Ala Lys Asp Cys His Cys Ile
100 105 110

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<211> 232

<212> PRT

<213> Homo sapiens

<400> 2

Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala
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NGMB-142WO_SeqList

Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Lys Pro
20 25 30

Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val
35 40 45

Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val
50 55 60

Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln
65 70 75 80

Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln
85 90 95

Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala
100 105 110

Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro
115 120 125

Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr
130 135 140

Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser
145 150 155 160

Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr
165 170 175

Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr
180 185 190

Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe
195 200 205

Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys
210 215 220

Ser Leu Ser Leu Ser Pro Gly Lys
225 230

<210> 3

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<212> PRT

<213> Artificial sequence

<220>

<223> synthetic polypeptide sequence

<400> 3

Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Ala Leu Ala Gly
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NGMB-142WO_SeqList

Gly Pro Ser Val₂₀ Phe Leu Phe Pro₂₅ Lys Pro Lys Asp Thr₃₀ Leu Met
 Ile Ser Arg₃₅ Thr Pro Glu Val₄₀ Cys Val Val Val₄₅ Asp Val Ser His
 Glu Asp₅₀ Pro Glu Val Lys₅₅ Phe Asn Trp Tyr Val₆₀ Asp Gly Val Glu Val
 His₆₅ Asn Ala Lys Thr₇₀ Lys Pro Arg Glu Glu₇₅ Gln Tyr Asn Ser Thr Tyr₈₀
 Arg Val Val Ser₈₅ Val Leu Thr Val₉₀ Leu His Gln Asp Trp Leu₉₅ Asn Gly
 Lys Glu Tyr₁₀₀ Lys Cys Lys Val Ser₁₀₅ Asn Lys Ala Leu Pro₁₁₀ Ala Pro Ile
 Glu Lys Thr₁₁₅ Ile Ser Lys Ala₁₂₀ Lys Gly Gln Pro Arg Glu₁₂₅ Pro Gln Val
 Tyr Thr₁₃₀ Leu Pro Pro Ser₁₃₅ Arg Glu Glu Met Thr₁₄₀ Lys Asn Gln Val Ser
 Leu₁₄₅ Trp Cys Leu Val₁₅₀ Lys Gly Phe Tyr Pro₁₅₅ Ser Asp Ile Ala Val₁₆₀ Glu
 Trp Glu Ser Asn₁₆₅ Gly Gln Pro Glu Asn₁₇₀ Asn Tyr Lys Thr Thr₁₇₅ Pro Pro
 Val Leu Asp₁₈₀ Ser Asp Gly Ser Phe₁₈₅ Phe Leu Tyr Ser Lys₁₉₀ Leu Thr Val
 Asp Lys₁₉₅ Ser Arg Trp Gln Gln₂₀₀ Gly Asn Val Phe Ser₂₀₅ Cys Ser Val Met
 His₂₁₀ Glu Ala Leu His Asn₂₁₅ His Tyr Thr Gln Lys₂₂₀ Ser Leu Ser Leu Ser
 Pro₂₂₅ Gly Lys Gly Gly₂₃₀ Gly Gly Ser Gly Gly₂₃₅ Gly Gly Ser Asn Gly Thr₂₄₀
 His Cys Pro Leu₂₄₅ Gly Pro Gly Arg Cys₂₅₀ Cys Arg Leu His Thr Val₂₅₅ Arg
 Ala Ser Leu₂₆₀ Glu Asp Leu Gly Trp Ala₂₆₅ Asp Trp Val Leu Ser₂₇₀ Pro Arg
 Glu Val₂₇₅ Gln Val Thr Met Cys₂₈₀ Ile Gly Ala Cys Pro Ser₂₈₅ Gln Phe Arg

NGMB-142WO_SeqList

Ala Ala Asn Met His Ala Gln Ile Lys Thr Ser Leu His Arg Leu Lys
290 295 300

Pro Asp Thr Val Pro Ala Pro Cys Cys Val Pro Ala Ser Tyr Asn Pro
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Met Val Leu Ile Gln Lys Thr Asp Thr Gly Val Ser Leu Gln Thr Tyr
325 330 335

Asp Asp Leu Leu Ala Lys Asp Cys His Cys Ile
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<210> 4

<211> 227

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Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Ala Leu Ala Gly
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Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His
35 40 45

Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val
50 55 60

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr
65 70 75 80

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
85 90 95

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile
100 105 110

Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val
115 120 125

Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser
130 135 140

Leu Ser Cys Ala Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
145 150 155 160

NGMB-142WO_SeqList

Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
165 170 175

Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Val Ser Lys Leu Thr Val
180 185 190

Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
195 200 205

His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
210 215 220

Pro Gly Lys
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<213> Artificial sequence

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<223> synthetic polypeptide sequence

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Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Ala Leu Ala Gly
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Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met
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Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His
35 40 45

Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val
50 55 60

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr
65 70 75 80

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
85 90 95

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile
100 105 110

Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val
115 120 125

Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser
130 135 140

Leu Trp Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
145 150 155 160

NGMB-142WO_SeqList

Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
 165 170 175
 Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val
 180 185 190
 Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
 195 200 205
 His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
 210 215 220
 Pro Gly Lys Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
 225 230 235 240
 Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asn Gly Thr His
 245 250 255
 Cys Pro Leu Gly Pro Gly Arg Cys Cys Arg Leu His Thr Val Arg Ala
 260 265 270
 Ser Leu Glu Asp Leu Gly Trp Ala Asp Trp Val Leu Ser Pro Arg Glu
 275 280 285
 Val Gln Val Thr Met Cys Ile Gly Ala Cys Pro Ser Gln Phe Arg Ala
 290 295 300
 Ala Asn Met His Ala Gln Ile Lys Thr Ser Leu His Arg Leu Lys Pro
 305 310 315 320
 Asp Thr Val Pro Ala Pro Cys Cys Val Pro Ala Ser Tyr Asn Pro Met
 325 330 335
 Val Leu Ile Gln Lys Thr Asp Thr Gly Val Ser Leu Gln Thr Tyr Asp
 340 345 350
 Asp Leu Leu Ala Lys Asp Cys His Cys Ile
 355 360

<210> 6

<211> 227

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<213> Artificial sequence

<220>

<223> synthetic polypeptide sequence

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Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Ala Leu Ala Gly
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NGMB-142WO_SeqList

Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met
20 25 30

Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His
35 40 45

Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val
50 55 60

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr
65 70 75 80

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
85 90 95

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile
100 105 110

Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val
115 120 125

Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser
130 135 140

Leu Ser Cys Ala Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
145 150 155 160

Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
165 170 175

Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Val Ser Lys Leu Thr Val
180 185 190

Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
195 200 205

His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
210 215 220

Pro Gly Lys
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<210> 7
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<213> Artificial sequence

<220>
<223> synthetic polypeptide sequence

<400> 7

Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Ala Leu Ala Gly
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NGMB-142WO_SeqList

Gly Pro Ser Val₂₀ Phe Leu Phe Pro₂₅ Lys Pro Lys Asp Thr₃₀ Leu Met
 Ile Ser Arg₃₅ Thr Pro Glu Val₄₀ Cys Val Val Val₄₅ Asp Val Ser His
 Glu Asp₅₀ Pro Glu Val Lys₅₅ Phe Asn Trp Tyr Val₆₀ Asp Gly Val Glu Val
 His₆₅ Asn Ala Lys Thr₇₀ Lys Pro Arg Glu Glu₇₅ Gln Tyr Asn Ser Thr Tyr₈₀
 Arg Val Val Ser₈₅ Val Leu Thr Val₉₀ Leu His Gln Asp Trp Leu₉₅ Asn Gly
 Lys Glu Tyr Lys₁₀₀ Cys Lys Val Ser₁₀₅ Asn Lys Ala Leu Pro₁₁₀ Ala Pro Ile
 Glu Lys Thr₁₁₅ Ile Ser Lys Ala Lys₁₂₀ Gly Gln Pro Arg Glu₁₂₅ Pro Gln Val
 Tyr Thr₁₃₀ Leu Pro Pro Ser₁₃₅ Arg Glu Glu Met Thr₁₄₀ Lys Asn Gln Val Ser
 Leu₁₄₅ Trp Cys Leu Val₁₅₀ Lys Gly Phe Tyr Pro₁₅₅ Ser Asp Ile Ala Val₁₆₀ Glu
 Trp Glu Ser Asn₁₆₅ Gly Gln Pro Glu Asn₁₇₀ Asn Tyr Lys Thr Thr₁₇₅ Pro Pro
 Val Leu Asp Ser₁₈₀ Asp Gly Ser Phe₁₈₅ Phe Leu Tyr Ser Lys₁₉₀ Leu Thr Val
 Asp Lys Ser₁₉₅ Arg Trp Gln Gln₂₀₀ Gly Asn Val Phe Ser₂₀₅ Cys Ser Val Met
 His₂₁₀ Glu Ala Leu His Asn₂₁₅ His Tyr Thr Gln Lys Ser₂₂₀ Leu Ser Leu Ser
 Pro₂₂₅ Gly Lys Gly Gly₂₃₀ Gly Gly Ser Gly Gly₂₃₅ Gly Ser Gly Gly₂₄₀ Gly
 Gly ser Gly Gly₂₄₅ Gly Gly ser Gly Gly₂₅₀ Gly Ser Gly Asp His₂₅₅ Cys
 Pro Leu Gly Pro₂₆₀ Gly Arg Cys Cys₂₆₅ Arg Leu His Thr Val₂₇₀ Asn Ala Ser
 Leu Glu Asp₂₇₅ Leu Gly Trp Ala Asp₂₈₀ Trp Val Leu Ser Pro₂₈₅ Arg Glu Val

NGMB-142WO_SeqList

Gln Val Thr Met Cys Ile Gly Ala Cys Pro Ser Gln Phe Arg Ala Ala
290 295 300

Asn Met His Ala Gln Ile Lys Thr Ser Leu His Arg Leu Lys Pro Asp
305 310 315 320

Thr Val Pro Ala Pro Cys Cys Val Pro Ala Ser Tyr Asn Pro Met Val
325 330 335

Leu Ile Gln Lys Thr Asp Thr Gly Val Ser Leu Gln Thr Tyr Asp Asp
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Leu Leu Ala Lys Asp Cys His Cys Ile
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<210> 8

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<213> Artificial sequence

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Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Ala Leu Ala Gly
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Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met
20 25 30

Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His
35 40 45

Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val
50 55 60

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr
65 70 75 80

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
85 90 95

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile
100 105 110

Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val
115 120 125

Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser
130 135 140

NGMB-142WO_SeqList

Leu Ser Cys Ala Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
145 150 155 160

Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
165 170 175

Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Val Ser Lys Leu Thr Val
180 185 190

Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
195 200 205

His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
210 215 220

Pro Gly Lys
225

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Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Ala Leu Ala Gly
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Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met
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Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His
35 40 45

Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val
50 55 60

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr
65 70 75 80

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
85 90 95

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile
100 105 110

Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val
115 120 125

Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser
130 135 140

NGMB-142WO_SeqList

Leu Trp Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
 145 150 155 160
 Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
 165 170 175
 Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val
 180 185 190
 Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
 195 200 205
 His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
 210 215 220
 Pro Gly Lys Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
 225 230 235 240
 Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Asp His Cys
 245 250 255
 Pro Leu Gly Pro Gly Arg Cys Cys Arg Leu His Thr Val Arg Ala Asn
 260 265 270
 Leu Thr Asp Leu Gly Trp Ala Asp Trp Val Leu Ser Pro Arg Glu Val
 275 280 285
 Gln Val Thr Met Cys Ile Gly Ala Cys Pro Ser Gln Phe Arg Ala Ala
 290 295 300
 Asn Met His Ala Gln Ile Lys Thr Ser Leu His Arg Leu Lys Pro Asp
 305 310 315 320
 Thr Val Pro Ala Pro Cys Cys Val Pro Ala Ser Tyr Asn Pro Met Val
 325 330 335
 Leu Ile Gln Lys Thr Asp Thr Gly Val Ser Leu Gln Thr Tyr Asp Asp
 340 345 350
 Leu Leu Ala Lys Asp Cys His Cys Ile
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NGMB-142WO_SeqList

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20      25      30

Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His
35      40      45

Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val
50      55      60

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr
65      70      75      80

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
85      90      95

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile
100     105     110

Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val
115     120     125

Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser
130     135     140

Leu Ser Cys Ala Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
145     150     155     160

Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
165     170     175

Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Val Ser Lys Leu Thr Val
180     185     190

Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
195     200     205

His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
210     215     220

Pro Gly Lys
225

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NGMB-142WO_SeqList

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20 25 30

Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His
35 40 45

Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val
50 55 60

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr
65 70 75 80

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
85 90 95

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile
100 105 110

Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val
115 120 125

Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser
130 135 140

Leu Trp Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
145 150 155 160

Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
165 170 175

Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val
180 185 190

Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
195 200 205

His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
210 215 220

Pro Gly Lys Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
225 230 235 240

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Asp His Cys
245 250 255

Pro Leu Gly Pro Gly Arg Cys Cys Arg Leu His Thr Val Arg Ala Ser
260 265 270

NGMB-142WO_SeqList

Leu Glu Asp Leu Gly Trp Ala Asp Trp Val Leu Ser Pro Arg Glu Val
275 280 285

Gln Val Thr Met Cys Ile Gly Ala Cys Pro Ser Gln Asn Arg Thr Ala
290 295 300

Asn Met His Ala Gln Ile Lys Thr Ser Leu His Arg Leu Lys Pro Asp
305 310 315 320

Thr Val Pro Ala Pro Cys Cys Val Pro Ala Ser Tyr Asn Pro Met Val
325 330 335

Leu Ile Gln Lys Thr Asp Thr Gly Val Ser Leu Gln Thr Tyr Asp Asp
340 345 350

Leu Leu Ala Lys Asp Cys His Cys Ile
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<210> 12

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<212> PRT

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20 25 30

Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His
35 40 45

Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val
50 55 60

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr
65 70 75 80

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
85 90 95

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile
100 105 110

Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val
115 120 125

NGMB-142WO_SeqList

Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser
130 135 140

Leu Ser Cys Ala Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
145 150 155 160

Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
165 170 175

Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Val Ser Lys Leu Thr Val
180 185 190

Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
195 200 205

His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
210 215 220

Pro Gly Lys
225

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20 25 30

Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His
35 40 45

Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val
50 55 60

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr
65 70 75 80

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
85 90 95

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile
100 105 110

Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val
115 120 125

NGMB-142WO_SeqList

Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser
 130 135 140
 Leu Trp Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
 145 150 155 160
 Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
 165 170 175
 Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val
 180 185 190
 Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
 195 200 205
 His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
 210 215 220
 Pro Gly Lys Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
 225 230 235 240
 Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Asp His Cys
 245 250 255
 Pro Leu Gly Pro Gly Arg Cys Cys Arg Leu His Thr Val Arg Ala Ser
 260 265 270
 Leu Glu Asp Leu Gly Trp Ala Asp Trp Val Leu Ser Pro Arg Glu Val
 275 280 285
 Gln Val Thr Met Cys Ile Gly Ala Cys Pro Ser Gln Phe Asn Ala Thr
 290 295 300
 Asn Met His Ala Gln Ile Lys Thr Ser Leu His Arg Leu Lys Pro Asp
 305 310 315 320
 Thr Val Pro Ala Pro Cys Cys Val Pro Ala Ser Tyr Asn Pro Met Val
 325 330 335
 Leu Ile Gln Lys Thr Asp Thr Gly Val Ser Leu Gln Thr Tyr Asp Asp
 340 345 350
 Leu Leu Ala Lys Asp Cys His Cys Ile
 355 360

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NGMB-142WO_SeqList

<223> synthetic polypeptide sequence

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Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Ala Leu Ala Gly
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35     40     45
Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val
50     55     60
His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr
65     70     75     80
Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
85     90     95
Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile
100    105    110
Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val
115    120    125
Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser
130    135    140
Leu Ser Cys Ala Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
145    150    155    160
Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
165    170    175
Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Val Ser Lys Leu Thr Val
180    185    190
Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
195    200    205
His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
210    215    220

Pro Gly Lys
225

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<210> 15

<211> 361

<212> PRT

<213> Artificial sequence

NGMB-142WO_SeqList

<220>

<223> synthetic polypeptide sequence

<400> 15

Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Ala Leu Ala Gly
1 5 10 15

Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met
20 25 30

Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His
35 40 45

Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val
50 55 60

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr
65 70 75 80

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
85 90 95

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile
100 105 110

Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val
115 120 125

Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser
130 135 140

Leu Trp Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
145 150 155 160

Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
165 170 175

Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val
180 185 190

Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
195 200 205

His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
210 215 220

Pro Gly Lys Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
225 230 235 240

Gly ser Gly Gly Gly Gly ser Gly Gly Gly Gly Ser Gly Asp His Cys
245 250 255

NGMB-142WO_SeqList

Pro Leu Gly Pro Gly Arg Cys Cys Arg Leu His Thr Val Arg Ala Ser
260 265 270

Leu Glu Asp Leu Gly Trp Ala Asp Trp Val Leu Ser Pro Arg Glu Val
275 280 285

Gln Val Thr Met Cys Ile Gly Ala Cys Pro Ser Gln Phe Arg Ala Ala
290 295 300

Asn Met His Ala Gln Ile Lys Thr Ser Leu His Arg Leu Lys Pro Asp
305 310 315 320

Thr Val Pro Ala Pro Cys Cys Val Pro Ala Ser Tyr Asn Pro Met Val
325 330 335

Leu Ile Gln Asn Thr Thr Thr Gly Val Ser Leu Gln Thr Tyr Asp Asp
340 345 350

Leu Leu Ala Lys Asp Cys His Cys Ile
355 360

<210> 16

<211> 227

<212> PRT

<213> Artificial sequence

<220>

<223> synthetic polypeptide sequence

<400> 16

Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Ala Leu Ala Gly
1 5 10 15

Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met
20 25 30

Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His
35 40 45

Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val
50 55 60

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr
65 70 75 80

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
85 90 95

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile
100 105 110

NGMB-142WO_SeqList

Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val
115 120 125

Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser
130 135 140

Leu Ser Cys Ala Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
145 150 155 160

Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
165 170 175

Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Val Ser Lys Leu Thr Val
180 185 190

Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
195 200 205

His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
210 215 220

Pro Gly Lys
225

<210> 17

<211> 361

<212> PRT

<213> Artificial sequence

<220>

<223> synthetic polypeptide sequence

<400> 17

Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Ala Leu Ala Gly
1 5 10 15

Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met
20 25 30

Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His
35 40 45

Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val
50 55 60

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr
65 70 75 80

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
85 90 95

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile
100 105 110

NGMB-142WO_SeqList

Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val
 115 120 125
 Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser
 130 135 140
 Leu Trp Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
 145 150 155 160
 Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
 165 170 175
 Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val
 180 185 190
 Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
 195 200 205
 His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
 210 215 220
 Pro Gly Lys Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
 225 230 235 240
 Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Asp His Cys
 245 250 255
 Pro Leu Gly Pro Gly Arg Cys Cys Arg Leu His Thr Val Arg Ala Ser
 260 265 270
 Leu Glu Asp Leu Gly Trp Ala Asp Trp Val Leu Ser Pro Arg Glu Val
 275 280 285
 Gln Val Thr Met Cys Ile Gly Ala Cys Pro Ser Gln Phe Arg Ala Ala
 290 295 300
 Asn Met His Ala Gln Ile Lys Thr Ser Leu His Arg Leu Lys Pro Asp
 305 310 315 320
 Thr Val Pro Ala Pro Cys Cys Val Pro Ala Ser Tyr Asn Pro Met Val
 325 330 335
 Leu Ile Gln Lys Thr Asn Thr Thr Val Ser Leu Gln Thr Tyr Asp Asp
 340 345 350
 Leu Leu Ala Lys Asp Cys His Cys Ile
 355 360

<210> 18
 <211> 227

NGMB-142WO_SeqList

<212> PRT

<213> Artificial sequence

<220>

<223> synthetic polypeptide sequence

<400> 18

Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Ala Leu Ala Gly
1 5 10 15

Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met
20 25 30

Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His
35 40 45

Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val
50 55 60

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr
65 70 75 80

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
85 90 95

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile
100 105 110

Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val
115 120 125

Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser
130 135 140

Leu Ser Cys Ala Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
145 150 155 160

Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
165 170 175

Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Val Ser Lys Leu Thr Val
180 185 190

Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
195 200 205

His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
210 215 220

Pro Gly Lys
225

NGMB-142WO_SeqList

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 <400> 19
 Gly Gly Gly Ser
 1

<210> 20
 <211> 5
 <212> PRT
 <213> Artificial sequence

 <220>
 <223> synthetic polypeptide sequence

 <400> 20
 Gly Gly Gly Gly Ser
 1 5

<210> 21
 <211> 4
 <212> PRT
 <213> Artificial sequence

 <220>
 <223> synthetic polypeptide sequence

 <400> 21
 Gly Gly Ser Gly
 1

<210> 22
 <211> 5
 <212> PRT
 <213> Artificial sequence

 <220>
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 <400> 22
 Gly Gly Ser Gly Gly
 1 5

<210> 23
 <211> 5
 <212> PRT
 <213> Artificial sequence

 <220>
 <223> synthetic polypeptide sequence

 <400> 23
 Gly Ser Gly Ser Gly
 1 5

NGMB-142WO_SeqList

<210> 24
 <211> 5
 <212> PRT
 <213> Artificial sequence

<220>
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 <400> 24

Gly Ser Gly Gly Gly
 1 5

<210> 25
 <211> 5
 <212> PRT
 <213> Artificial sequence

<220>
 <223> synthetic polypeptide sequence
 <400> 25

Gly Gly Gly Ser Gly
 1 5

<210> 26
 <211> 5
 <212> PRT
 <213> Artificial sequence

<220>
 <223> synthetic polypeptide sequence
 <400> 26

Gly Ser Ser Ser Gly
 1 5

<210> 27
 <211> 5
 <212> PRT
 <213> Artificial sequence

<220>
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 <400> 27

Gly Gly Gly Gly Gly
 1 5

<210> 28
 <211> 5
 <212> PRT
 <213> Artificial sequence

<220>
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 <400> 28

NGMB-142WO_SeqList

Glu Gly Gly Gly Ser
1 5

<210> 29
<211> 4
<212> PRT
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<220>
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<221> MISC_FEATURE
<222> (2)..(3)
<223> the amino acid at this position may be any amino acid

<220>
<221> MISC_FEATURE
<222> (4)..(4)
<223> the amino acid at this position may be any hydrophobic amino acid

<400> 29

Pro Xaa Xaa Xaa
1

<210> 30
<211> 5
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic polypeptide sequence

<220>
<221> MISC_FEATURE
<222> (2)..(3)
<223> the amino acid at this position may be any amino acid

<220>
<221> MISC_FEATURE
<222> (4)..(4)
<223> the amino acid at this position may be any hydrophobic amino acid

<220>
<221> MISC_FEATURE
<222> (5)..(5)
<223> the amino acid at this position may be any Ser or Thr

<400> 30

Pro Xaa Xaa Xaa Xaa
1 5

<210> 31
<211> 6
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic polypeptide sequence

NGMB-142WO_SeqList

<220>
 <221> MISC_FEATURE
 <222> (2)..(2)
 <223> the amino acid at this position may be Leu or Gln

<400> 31

Pro Xaa Gly Met Thr Ser
 1 5

<210> 32
 <211> 5
 <212> PRT
 <213> Artificial sequence

<220>
 <223> synthetic polypeptide sequence

<220>
 <221> MISC_FEATURE
 <222> (2)..(2)
 <223> the amino acid at this position may be Leu or Gln

<400> 32

Pro Xaa Gly Met Thr
 1 5

<210> 33
 <211> 10
 <212> PRT
 <213> Artificial sequence

<220>
 <223> synthetic polypeptide sequence

<400> 33

Cys Gly Leu Val Pro Ala Gly Ser Gly Pro
 1 5 10

<210> 34
 <211> 12
 <212> PRT
 <213> Artificial sequence

<220>
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<400> 34

Ser Leu Leu Lys Ser Arg Met Val Pro Asn Phe Asn
 1 5 10

<210> 35
 <211> 12
 <212> PRT
 <213> Artificial sequence

<220>
 <223> synthetic polypeptide sequence

<400> 35

NGMB-142WO_SeqList

Ser Leu Leu Ile Ala Arg Arg Met Pro Asn Phe Asn
1 5 10

<210> 36
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic polypeptide sequence

<400> 36

Ser Lys Leu Val Gln Ala Ser Ala Ser Gly Val Asn
1 5 10

<210> 37
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic polypeptide sequence

<400> 37

Ser Ser Tyr Leu Lys Ala Ser Asp Ala Pro Asp Asn
1 5 10

<210> 38
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic polypeptide sequence

<400> 38

Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met Asn
1 5 10

<210> 39
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic polypeptide sequence

<400> 39

Ser Leu Arg Pro Leu Ala Leu Trp Arg Ser Phe Asn
1 5 10

<210> 40
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic polypeptide sequence

NGMB-142WO_SeqList

<400> 40

Ser Pro Gln Gly Ile Ala Gly Gln Arg Asn Phe Asn
1 5 10

<210> 41

<211> 14

<212> PRT

<213> Artificial sequence

<220>

<223> synthetic polypeptide sequence

<400> 41

Asp Val Asp Glu Arg Asp Val Arg Gly Phe Ala Ser Phe Leu
1 5 10

<210> 42

<211> 12

<212> PRT

<213> Artificial sequence

<220>

<223> synthetic polypeptide sequence

<400> 42

Ser Leu Pro Leu Gly Leu Trp Ala Pro Asn Phe Asn
1 5 10

<210> 43

<211> 12

<212> PRT

<213> Artificial sequence

<220>

<223> synthetic polypeptide sequence

<400> 43

Ser Leu Leu Ile Phe Arg Ser Trp Ala Asn Phe Asn
1 5 10

<210> 44

<211> 12

<212> PRT

<213> Artificial sequence

<220>

<223> synthetic polypeptide sequence

<400> 44

Ser Gly Val Val Ile Ala Thr Val Ile Val Ile Thr
1 5 10

<210> 45

<211> 12

<212> PRT

<213> Artificial sequence

NGMB-142WO_SeqList

<220>
 <223> synthetic polypeptide sequence
 <400> 45
 Ser Leu Gly Pro Gln Gly Ile Trp Gly Gln Phe Asn
 1 5 10

<210> 46
 <211> 12
 <212> PRT
 <213> Artificial sequence

<220>
 <223> synthetic polypeptide sequence
 <400> 46
 Lys Lys Ser Pro Gly Arg Val Val Gly Gly Ser Val
 1 5 10

<210> 47
 <211> 12
 <212> PRT
 <213> Artificial sequence

<220>
 <223> synthetic polypeptide sequence
 <400> 47
 Pro Gln Gly Leu Leu Gly Ala Pro Gly Ile Leu Gly
 1 5 10

<210> 48
 <211> 12
 <212> PRT
 <213> Artificial sequence

<220>
 <223> synthetic polypeptide sequence
 <400> 48
 Gly Gly Gly Ser Gly Gly Gly Ser Ile Glu Gly Arg
 1 5 10

<210> 49
 <211> 12
 <212> PRT
 <213> Artificial sequence

<220>
 <223> synthetic polypeptide sequence
 <400> 49
 Gly Pro Gln Gly Leu Ala Gly Gln Arg Gly Ile Val
 1 5 10

<210> 50
 <211> 12
 <212> PRT

<213> Artificial sequence

<220>

<223> synthetic polypeptide sequence

<400> 50

Gly Gly Ser Gly Gln Arg Gly Arg Lys Ala Leu Glu
1 5 10

<210> 51

<211> 12

<212> PRT

<213> Artificial sequence

<220>

<223> synthetic polypeptide sequence

<400> 51

Ser Leu Ser Ala Leu Leu Ser Ser Asp Ile Phe Asn
1 5 10

<210> 52

<211> 12

<212> PRT

<213> Artificial sequence

<220>

<223> synthetic polypeptide sequence

<400> 52

Ser Leu Pro Arg Phe Lys Ile Ile Gly Gly Phe Asn
1 5 10

<210> 53

<211> 12

<212> PRT

<213> Artificial sequence

<220>

<223> synthetic polypeptide sequence

<400> 53

Ser Leu Leu Gly Ile Ala Val Pro Gly Asn Phe Asn
1 5 10

<210> 54

<211> 12

<212> PRT

<213> Artificial sequence

<220>

<223> synthetic polypeptide sequence

<400> 54

Phe Phe Lys Asn Ile Val Thr Pro Arg Thr Pro Pro
1 5 10

<210> 55

NGMB-142WO_SeqList

<211> 227
<212> PRT
<213> Homo sapiens

<400> 55

Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly
1 5 10 15

Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met
20 25 30

Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His
35 40 45

Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val
50 55 60

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr
65 70 75 80

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
85 90 95

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile
100 105 110

Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val
115 120 125

Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser
130 135 140

Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
145 150 155 160

Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
165 170 175

Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val
180 185 190

Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
195 200 205

His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
210 215 220

Pro Gly Lys
225

<210> 56
<211> 69

NGMB-142WO_SeqList

<212> DNA
 <213> Artificial sequence
 <220>
 <223> synthetic polypeptide sequence
 <400> 56
 accatggaca tgaggggtccc cgctcagctc ctggggctcc tgctactctg gctccgaggt 60
 gccagatgt 69

<210> 57
 <211> 383
 <212> PRT
 <213> Artificial sequence
 <220>
 <223> synthetic polypeptide sequence
 <400> 57

Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp
 1 5 10 15

Leu Arg Gly Ala Arg Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro
 20 25 30

Ala Pro Ala Leu Ala Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys
 35 40 45

Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
 50 55 60

Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
 65 70 75 80

Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
 85 90 95

Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His
 100 105 110

Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
 115 120 125

Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln
 130 135 140

Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met
 145 150 155 160

Thr Lys Asn Gln Val Ser Leu Tyr Cys Leu Val Lys Gly Phe Tyr Pro
 165 170 175

Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn
 180 185 190

NGMB-142WO_SeqList

Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu
195 200 205

Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val
210 215 220

Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
225 230 235 240

Lys Ser Leu Ser Leu Ser Pro Gly Lys Gly Gly Gly Gly Ser Gly Gly
245 250 255

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
260 265 270

Gly Ser Gly Asp His Cys Pro Leu Gly Pro Gly Arg Cys Cys Arg Leu
275 280 285

His Thr Val Arg Ala Ser Leu Glu Asp Leu Gly Trp Ala Asp Trp Val
290 295 300

Leu Ser Pro Arg Glu Val Gln Val Thr Met Cys Ile Gly Ala Cys Pro
305 310 315 320

Ser Gln Phe Arg Ala Ala Asn Met His Ala Gln Ile Lys Thr Ser Leu
325 330 335

His Arg Leu Lys Pro Asp Thr Val Pro Ala Pro Cys Cys Val Pro Ala
340 345 350

Ser Tyr Asn Pro Met Val Leu Ile Gln Lys Thr Asp Thr Gly Val Ser
355 360 365

Leu Gln Thr Tyr Asp Asp Leu Leu Ala Lys Asp Cys His Cys Ile
370 375 380

<210> 58

<211> 249

<212> PRT

<213> Artificial sequence

<220>

<223> synthetic polypeptide sequence

<400> 58

Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp
1 5 10 15

Leu Arg Gly Ala Arg Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro
20 25 30

NGMB-142WO_SeqList

Ala Pro Ala Leu Ala Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys
35 40 45

Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
50 55 60

Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
65 70 75 80

Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
85 90 95

Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His
100 105 110

Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
115 120 125

Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln
130 135 140

Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met
145 150 155 160

Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro
165 170 175

Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn
180 185 190

Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu
195 200 205

Thr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val
210 215 220

Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
225 230 235 240

Lys Ser Leu Ser Leu Ser Pro Gly Lys
245

<210> 59

<211> 383

<212> PRT

<213> Artificial sequence

<220>

<223> synthetic polypeptide sequence

<400> 59

Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp
1 5 10 15

NGMB-142WO_SeqList

Leu Arg Gly Ala Arg Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro
 20 25 30
 Ala Pro Ala Leu Ala Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys
 35 40 45
 Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
 50 55 60
 Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
 65 70 75 80
 Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
 85 90 95
 Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His
 100 105 110
 Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
 115 120 125
 Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln
 130 135 140
 Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met
 145 150 155 160
 Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro
 165 170 175
 Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn
 180 185 190
 Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu
 195 200 205
 Thr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val
 210 215 220
 Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
 225 230 235 240
 Lys Ser Leu Ser Leu Ser Pro Gly Lys Gly Gly Gly Gly Ser Gly Gly
 245 250 255
 Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
 260 265 270
 Gly Ser Gly Asp His Cys Pro Leu Gly Pro Gly Arg Cys Cys Arg Leu
 275 280 285

NGMB-142WO_SeqList

His Thr Val Arg Ala Ser Leu Glu Asp Leu Gly Trp Ala Asp Trp Val
290 295 300

Leu Ser Pro Arg Glu Val Gln Val Thr Met Cys Ile Gly Ala Cys Pro
305 310 315 320

Ser Gln Phe Arg Ala Ala Asn Met His Ala Gln Ile Lys Thr Ser Leu
325 330 335

His Arg Leu Lys Pro Asp Thr Val Pro Ala Pro Cys Cys Val Pro Ala
340 345 350

Ser Tyr Asn Pro Met Val Leu Ile Gln Lys Thr Asp Thr Gly Val Ser
355 360 365

Leu Gln Thr Tyr Asp Asp Leu Leu Ala Lys Asp Cys His Cys Ile
370 375 380

<210> 60

<211> 249

<212> PRT

<213> Artificial sequence

<220>

<223> synthetic polypeptide sequence

<400> 60

Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp
1 5 10 15

Leu Arg Gly Ala Arg Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro
20 25 30

Ala Pro Ala Leu Ala Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys
35 40 45

Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
50 55 60

Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
65 70 75 80

Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
85 90 95

Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His
100 105 110

Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
115 120 125

NGMB-142WO_SeqList

Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln
 130 135 140
 Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met
 145 150 155 160
 Thr Lys Asn Gln Val Ser Leu Tyr Cys Leu Val Lys Gly Phe Tyr Pro
 165 170 175
 Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn
 180 185 190
 Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu
 195 200 205
 Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val
 210 215 220
 Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
 225 230 235 240
 Lys Ser Leu Ser Leu Ser Pro Gly Lys
 245

<210> 61
 <211> 373
 <212> PRT
 <213> Artificial sequence
 <220>
 <223> synthetic polypeptide sequence
 <400> 61

Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp
 1 5 10 15
 Leu Arg Gly Ala Arg Cys Ala Pro Ala Leu Ala Gly Gly Pro Ser Val
 20 25 30
 Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr
 35 40 45
 Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu
 50 55 60
 Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys
 65 70 75 80
 Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser
 85 90 95
 Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys
 100 105 110

NGMB-142WO_SeqList

Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile
 115 120 125
 Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro
 130 135 140
 Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser Leu Tyr Cys Leu
 145 150 155 160
 Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn
 165 170 175
 Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser
 180 185 190
 Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg
 195 200 205
 Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu
 210 215 220
 His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys Gly
 225 230 235 240
 Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly
 245 250 255
 Gly Gly Ser Gly Gly Gly Gly Ser Gly Asp His Cys Pro Leu Gly Pro
 260 265 270
 Gly Arg Cys Cys Arg Leu His Thr Val Arg Ala Ser Leu Glu Asp Leu
 275 280 285
 Gly Trp Ala Asp Trp Val Leu Ser Pro Arg Glu Val Gln Val Thr Met
 290 295 300
 Cys Ile Gly Ala Cys Pro Ser Gln Phe Arg Ala Ala Asn Met His Ala
 305 310 315 320
 Gln Ile Lys Thr Ser Leu His Arg Leu Lys Pro Asp Thr Val Pro Ala
 325 330 335
 Pro Cys Cys Val Pro Ala Ser Tyr Asn Pro Met Val Leu Ile Gln Lys
 340 345 350
 Thr Asp Thr Gly Val Ser Leu Gln Thr Tyr Asp Asp Leu Leu Ala Lys
 355 360 365
 Asp Cys His Cys Ile
 370

NGMB-142WO_SeqList

<210> 62
 <211> 239
 <212> PRT
 <213> Artificial sequence

<220>
 <223> synthetic polypeptide sequence

<400> 62

Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp
 1 5 10 15

Leu Arg Gly Ala Arg Cys Ala Pro Ala Leu Ala Gly Gly Pro Ser Val
 20 25 30

Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr
 35 40 45

Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu
 50 55 60

Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys
 65 70 75 80

Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser
 85 90 95

Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys
 100 105 110

Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile
 115 120 125

Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro
 130 135 140

Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser Leu Thr Cys Leu
 145 150 155 160

Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn
 165 170 175

Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser
 180 185 190

Asp Gly Ser Phe Phe Leu Thr Ser Lys Leu Thr Val Asp Lys Ser Arg
 195 200 205

Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu
 210 215 220

NGMB-142WO_SeqList

His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
225 230 235

<210> 63

<211> 373

<212> PRT

<213> Artificial sequence

<220>

<223> synthetic polypeptide sequence

<400> 63

Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp
1 5 10 15

Leu Arg Gly Ala Arg Cys Ala Pro Ala Leu Ala Gly Gly Pro Ser Val
20 25 30

Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr
35 40 45

Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu
50 55 60

Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys
65 70 75 80

Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser
85 90 95

Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys
100 105 110

Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile
115 120 125

Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro
130 135 140

Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser Leu Thr Cys Leu
145 150 155 160

Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn
165 170 175

Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser
180 185 190

Asp Gly Ser Phe Phe Leu Thr Ser Lys Leu Thr Val Asp Lys Ser Arg
195 200 205

Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu
210 215 220

NGMB-142WO_SeqList

His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys Gly
225 230 235 240

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly
245 250 255

Gly Gly Ser Gly Gly Gly Gly Ser Gly Asp His Cys Pro Leu Gly Pro
260 265 270

Gly Arg Cys Cys Arg Leu His Thr Val Arg Ala Ser Leu Glu Asp Leu
275 280 285

Gly Trp Ala Asp Trp Val Leu Ser Pro Arg Glu Val Gln Val Thr Met
290 295 300

Cys Ile Gly Ala Cys Pro Ser Gln Phe Arg Ala Ala Asn Met His Ala
305 310 315 320

Gln Ile Lys Thr Ser Leu His Arg Leu Lys Pro Asp Thr Val Pro Ala
325 330 335

Pro Cys Cys Val Pro Ala Ser Tyr Asn Pro Met Val Leu Ile Gln Lys
340 345 350

Thr Asp Thr Gly Val Ser Leu Gln Thr Tyr Asp Asp Leu Leu Ala Lys
355 360 365

Asp Cys His Cys Ile
370

<210> 64
<211> 239
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic polypeptide sequence

<400> 64

Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp
1 5 10 15

Leu Arg Gly Ala Arg Cys Ala Pro Ala Leu Ala Gly Gly Pro Ser Val
20 25 30

Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr
35 40 45

Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu
50 55 60

NGMB-142WO_SeqList

Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys
65 70 75 80

Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser
85 90 95

Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys
100 105 110

Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile
115 120 125

Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro
130 135 140

Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser Leu Tyr Cys Leu
145 150 155 160

Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn
165 170 175

Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser
180 185 190

Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg
195 200 205

Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu
210 215 220

His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
225 230 235

<210> 65

<211> 383

<212> PRT

<213> Artificial sequence

<220>

<223> synthetic polypeptide sequence

<400> 65

Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp
1 5 10 15

Leu Arg Gly Ala Arg Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro
20 25 30

Ala Pro Ala Leu Ala Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys
35 40 45

Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
50 55 60

NGMB-142WO_SeqList

Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
 65 70 75 80
 Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
 85 90 95
 Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His
 100 105 110
 Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
 115 120 125
 Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln
 130 135 140
 Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met
 145 150 155 160
 Thr Lys Asn Gln Val Ser Leu Trp Cys Leu Val Lys Gly Phe Tyr Pro
 165 170 175
 Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn
 180 185 190
 Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu
 195 200 205
 Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val
 210 215 220
 Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
 225 230 235 240
 Lys Ser Leu Ser Leu Ser Pro Gly Lys Gly Gly Gly Gly Ser Gly Gly
 245 250 255
 Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
 260 265 270
 Gly Ser Gly Asp His Cys Pro Leu Gly Pro Gly Arg Cys Cys Arg Leu
 275 280 285
 His Thr Val Arg Ala Ser Leu Glu Asp Leu Gly Trp Ala Asp Trp Val
 290 295 300
 Leu Ser Pro Arg Glu Val Gln Val Thr Met Cys Ile Gly Ala Cys Pro
 305 310 315 320
 Ser Gln Phe Arg Ala Ala Asn Met His Ala Gln Ile Lys Thr Ser Leu
 325 330 335

NGMB-142WO_SeqList

His Arg Leu Lys Pro Asp Thr Val Pro Ala Pro Cys Cys Val Pro Ala
340 345 350

Ser Tyr Asn Pro Met Val Leu Ile Gln Lys Thr Asp Thr Gly Val Ser
355 360 365

Leu Gln Thr Tyr Asp Asp Leu Leu Ala Lys Asp Cys His Cys Ile
370 375 380

<210> 66

<211> 249

<212> PRT

<213> Artificial sequence

<220>

<223> synthetic polypeptide sequence

<400> 66

Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp
1 5 10 15

Leu Arg Gly Ala Arg Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro
20 25 30

Ala Pro Ala Leu Ala Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys
35 40 45

Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
50 55 60

Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
65 70 75 80

Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
85 90 95

Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His
100 105 110

Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
115 120 125

Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln
130 135 140

Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met
145 150 155 160

Thr Lys Asn Gln Val ser Leu Ser Cys Ala Val Lys Gly Phe Tyr Pro
165 170 175

NGMB-142WO_SeqList

Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn
180 185 190

Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu
195 200 205

Val Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val
210 215 220

Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
225 230 235 240

Lys Ser Leu Ser Leu Ser Pro Gly Lys
245

<210> 67

<211> 380

<212> PRT

<213> Artificial sequence

<220>

<223> synthetic polypeptide sequence

<400> 67

Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp
1 5 10 15

Leu Arg Gly Ala Arg Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro
20 25 30

Ala Pro Ala Leu Ala Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys
35 40 45

Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
50 55 60

Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
65 70 75 80

Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
85 90 95

Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His
100 105 110

Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
115 120 125

Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln
130 135 140

Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met
145 150 155 160

NGMB-142WO_SeqList

Thr Lys Asn Gln Val Ser Leu Ser Cys Ala Val Lys Gly Phe Tyr Pro
 165 170 175
 Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn
 180 185 190
 Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu
 195 200 205
 Val Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val
 210 215 220
 Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
 225 230 235 240
 Lys Ser Leu Ser Leu Ser Pro Gly Lys Gly Gly Gly Gly Ser Gly Gly
 245 250 255
 Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
 260 265 270
 Gly Ser Cys Pro Leu Gly Pro Gly Arg Cys Cys Arg Leu His Thr Val
 275 280 285
 Arg Ala Ser Leu Glu Asp Leu Gly Trp Ala Asp Trp Val Leu Ser Pro
 290 295 300
 Arg Glu Val Gln Val Thr Met Cys Ile Gly Ala Cys Pro Ser Gln Phe
 305 310 315 320
 Arg Ala Ala Asn Met His Ala Gln Ile Lys Thr Ser Leu His Arg Leu
 325 330 335
 Lys Pro Asp Thr Val Pro Ala Pro Cys Cys Val Pro Ala Ser Tyr Asn
 340 345 350
 Pro Met Val Leu Ile Gln Lys Thr Asp Thr Gly Val Ser Leu Gln Thr
 355 360 365
 Tyr Asp Asp Leu Leu Ala Lys Asp Cys His Cys Ile
 370 375 380

<210> 68
 <211> 249
 <212> PRT
 <213> Artificial sequence
 <220>
 <223> synthetic polypeptide sequence
 <400> 68

NGMB-142WO_SeqList

Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp
1 5 10 15

Leu Arg Gly Ala Arg Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro
20 25 30

Ala Pro Ala Leu Ala Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys
35 40 45

Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
50 55 60

Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
65 70 75 80

Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
85 90 95

Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His
100 105 110

Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
115 120 125

Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln
130 135 140

Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met
145 150 155 160

Thr Lys Asn Gln Val Ser Leu Trp Cys Leu Val Lys Gly Phe Tyr Pro
165 170 175

Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn
180 185 190

Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu
195 200 205

Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val
210 215 220

Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
225 230 235 240

Lys Ser Leu Ser Leu Ser Pro Gly Lys
245

<210> 69
<211> 373
<212> PRT
<213> Artificial sequence

NGMB-142WO_SeqList

<220>

<223> synthetic polypeptide sequence

<400> 69

Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp
1 5 10 15

Leu Arg Gly Ala Arg Cys Ala Pro Ala Leu Ala Gly Gly Pro Ser Val
20 25 30

Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr
35 40 45

Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu
50 55 60

Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys
65 70 75 80

Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser
85 90 95

Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys
100 105 110

Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile
115 120 125

Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro
130 135 140

Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser Leu Trp Cys Leu
145 150 155 160

Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn
165 170 175

Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser
180 185 190

Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg
195 200 205

Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu
210 215 220

His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys Gly
225 230 235 240

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly
245 250 255

NGMB-142WO_SeqList

Gly Gly Ser Gly Gly Gly Gly Ser Gly Asp His Cys Pro Leu Gly Pro
260 265 270

Gly Arg Cys Cys Arg Leu His Thr Val Arg Ala Ser Leu Glu Asp Leu
275 280 285

Gly Trp Ala Asp Trp Val Leu Ser Pro Arg Glu Val Gln Val Thr Met
290 295 300

Cys Ile Gly Ala Cys Pro Ser Gln Phe Arg Ala Ala Asn Met His Ala
305 310 315 320

Gln Ile Lys Thr Ser Leu His Arg Leu Lys Pro Asp Thr Val Pro Ala
325 330 335

Pro Cys Cys Val Pro Ala Ser Tyr Asn Pro Met Val Leu Ile Gln Lys
340 345 350

Thr Asp Thr Gly Val Ser Leu Gln Thr Tyr Asp Asp Leu Leu Ala Lys
355 360 365

Asp Cys His Cys Ile
370

<210> 70
<211> 239
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic polypeptide sequence

<400> 70

Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp
1 5 10 15

Leu Arg Gly Ala Arg Cys Ala Pro Ala Leu Ala Gly Gly Pro Ser Val
20 25 30

Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr
35 40 45

Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu
50 55 60

Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys
65 70 75 80

Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser
85 90 95

NGMB-142WO_SeqList

Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys
100 105 110

Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile
115 120 125

Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro
130 135 140

Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser Leu Ser Cys Ala
145 150 155 160

Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn
165 170 175

Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser
180 185 190

Asp Gly Ser Phe Phe Leu Val Ser Lys Leu Thr Val Asp Lys Ser Arg
195 200 205

Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu
210 215 220

His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
225 230 235

<210> 71
<211> 370
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic polypeptide sequence

<400> 71

Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp
1 5 10 15

Leu Arg Gly Ala Arg Cys Ala Pro Ala Leu Ala Gly Gly Pro Ser Val
20 25 30

Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr
35 40 45

Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu
50 55 60

Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys
65 70 75 80

Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser
85 90 95

NGMB-142WO_SeqList

Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys
 100 105 110
 Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile
 115 120 125
 Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro
 130 135 140
 Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser Leu Ser Cys Ala
 145 150 155 160
 Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn
 165 170 175
 Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser
 180 185 190
 Asp Gly Ser Phe Phe Leu Val Ser Lys Leu Thr Val Asp Lys Ser Arg
 195 200 205
 Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu
 210 215 220
 His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys Gly
 225 230 235 240
 Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly
 245 250 255
 Gly Gly Ser Gly Gly Gly Gly Ser Cys Pro Leu Gly Pro Gly Arg Cys
 260 265 270
 Cys Arg Leu His Thr Val Arg Ala Ser Leu Glu Asp Leu Gly Trp Ala
 275 280 285
 Asp Trp Val Leu Ser Pro Arg Glu Val Gln Val Thr Met Cys Ile Gly
 290 295 300
 Ala Cys Pro Ser Gln Phe Arg Ala Ala Asn Met His Ala Gln Ile Lys
 305 310 315 320
 Thr Ser Leu His Arg Leu Lys Pro Asp Thr Val Pro Ala Pro Cys Cys
 325 330 335
 Val Pro Ala Ser Tyr Asn Pro Met Val Leu Ile Gln Lys Thr Asp Thr
 340 345 350
 Gly Val Ser Leu Gln Thr Tyr Asp Asp Leu Leu Ala Lys Asp Cys His
 355 360 365

NGMB-142WO_SeqList

Cys Ile
370

<210> 72

<211> 239

<212> PRT

<213> Artificial sequence

<220>

<223> synthetic polypeptide sequence

<400> 72

Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp
1 5 10 15

Leu Arg Gly Ala Arg Cys Ala Pro Ala Leu Ala Gly Gly Pro Ser Val
20 25 30

Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr
35 40 45

Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu
50 55 60

Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys
65 70 75 80

Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser
85 90 95

Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys
100 105 110

Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile
115 120 125

Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro
130 135 140

Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser Leu Trp Cys Leu
145 150 155 160

Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn
165 170 175

Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser
180 185 190

Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg
195 200 205

NGMB-142WO_SeqList

Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu
210 215 220

His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
225 230 235

<210> 73

<211> 376

<212> PRT

<213> Artificial sequence

<220>

<223> synthetic polypeptide sequence

<400> 73

Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp
1 5 10 15

Leu Arg Gly Ala Arg Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro
20 25 30

Ala Pro Ala Leu Ala Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys
35 40 45

Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
50 55 60

Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
65 70 75 80

Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
85 90 95

Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His
100 105 110

Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
115 120 125

Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln
130 135 140

Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met
145 150 155 160

Thr Lys Asn Gln Val Ser Leu Trp Cys Leu Val Lys Gly Phe Tyr Pro
165 170 175

Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn
180 185 190

Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu
195 200 205

NGMB-142WO_SeqList

Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val
 210 215 220
 Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
 225 230 235 240
 Lys Ser Leu Ser Leu Ser Pro Gly Lys Gly Gly Gly Gly Ser Gly Gly
 245 250 255
 Gly Gly Ser Gly Gly Gly Gly Ser Ala Arg Asn Gly Thr His Cys Pro
 260 265 270
 Leu Gly Pro Gly Arg Cys Cys Arg Leu His Thr Val Arg Ala Ser Leu
 275 280 285
 Glu Asp Leu Gly Trp Ala Asp Trp Val Leu Ser Pro Arg Glu Val Gln
 290 295 300
 Val Thr Met Cys Ile Gly Ala Cys Pro Ser Gln Phe Arg Ala Ala Asn
 305 310 315 320
 Met His Ala Gln Ile Lys Thr Ser Leu His Arg Leu Lys Pro Asp Thr
 325 330 335
 Val Pro Ala Pro Cys Cys Val Pro Ala Ser Tyr Asn Pro Met Val Leu
 340 345 350
 Ile Gln Lys Thr Asp Thr Gly Val Ser Leu Gln Thr Tyr Asp Asp Leu
 355 360 365
 Leu Ala Lys Asp Cys His Cys Ile
 370 375

<210> 74
 <211> 249
 <212> PRT
 <213> Artificial sequence
 <220>
 <223> synthetic polypeptide sequence
 <400> 74

Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp
 1 5 10 15
 Leu Arg Gly Ala Arg Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro
 20 25 30
 Ala Pro Ala Leu Ala Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys
 35 40 45

NGMB-142WO_SeqList

Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
50 55 60

Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
65 70 75 80

Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
85 90 95

Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His
100 105 110

Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
115 120 125

Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln
130 135 140

Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met
145 150 155 160

Thr Lys Asn Gln Val Ser Leu Ser Cys Ala Val Lys Gly Phe Tyr Pro
165 170 175

Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn
180 185 190

Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu
195 200 205

Val Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val
210 215 220

Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
225 230 235 240

Lys Ser Leu Ser Leu Ser Pro Gly Lys
245

<210> 75
<211> 381
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic polypeptide sequence

<400> 75

Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp
1 5 10 15

Leu Arg Gly Ala Arg Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro
20 25 30

NGMB-142WO_SeqList

Ala Pro Ala Leu Ala Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys
35 40 45

Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
50 55 60

Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
65 70 75 80

Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
85 90 95

Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His
100 105 110

Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
115 120 125

Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln
130 135 140

Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met
145 150 155 160

Thr Lys Asn Gln Val Ser Leu Trp Cys Leu Val Lys Gly Phe Tyr Pro
165 170 175

Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn
180 185 190

Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu
195 200 205

Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val
210 215 220

Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
225 230 235 240

Lys Ser Leu Ser Leu Ser Pro Gly Lys Gly Gly Gly Gly Ser Gly Gly
245 250 255

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Arg Asn
260 265 270

Gly Thr His Cys Pro Leu Gly Pro Gly Arg Cys Cys Arg Leu His Thr
275 280 285

Val Arg Ala Ser Leu Glu Asp Leu Gly Trp Ala Asp Trp Val Leu Ser
290 295 300

NGMB-142WO_SeqList

Pro Arg Glu Val Gln Val Thr Met Cys Ile Gly Ala Cys Pro Ser Gln
305 310 315 320

Phe Arg Ala Ala Asn Met His Ala Gln Ile Lys Thr Ser Leu His Arg
325 330 335

Leu Lys Pro Asp Thr Val Pro Ala Pro Cys Cys Val Pro Ala Ser Tyr
340 345 350

Asn Pro Met Val Leu Ile Gln Lys Thr Asp Thr Gly Val Ser Leu Gln
355 360 365

Thr Tyr Asp Asp Leu Leu Ala Lys Asp Cys His Cys Ile
370 375 380

<210> 76

<211> 249

<212> PRT

<213> Artificial sequence

<220>

<223> synthetic polypeptide sequence

<400> 76

Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp
1 5 10 15

Leu Arg Gly Ala Arg Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro
20 25 30

Ala Pro Ala Leu Ala Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys
35 40 45

Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
50 55 60

Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
65 70 75 80

Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
85 90 95

Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His
100 105 110

Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
115 120 125

Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln
130 135 140

NGMB-142WO_SeqList

Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met
145 150 155 160

Thr Lys Asn Gln Val Ser Leu Ser Cys Ala Val Lys Gly Phe Tyr Pro
165 170 175

Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn
180 185 190

Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu
195 200 205

Val Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val
210 215 220

Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
225 230 235 240

Lys Ser Leu Ser Leu Ser Pro Gly Lys
245

<210> 77

<211> 386

<212> PRT

<213> Artificial sequence

<220>

<223> synthetic polypeptide sequence

<400> 77

Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp
1 5 10 15

Leu Arg Gly Ala Arg Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro
20 25 30

Ala Pro Ala Leu Ala Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys
35 40 45

Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
50 55 60

Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
65 70 75 80

Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
85 90 95

Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His
100 105 110

Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
115 120 125

NGMB-142WO_SeqList

Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln
 130 135 140
 Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met
 145 150 155 160
 Thr Lys Asn Gln Val Ser Leu Trp Cys Leu Val Lys Gly Phe Tyr Pro
 165 170 175
 Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn
 180 185 190
 Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu
 195 200 205
 Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val
 210 215 220
 Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
 225 230 235 240
 Lys Ser Leu Ser Leu Ser Pro Gly Lys Gly Gly Gly Ser Gly Gly
 245 250 255
 Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly
 260 265 270
 Gly Ser Ala Arg Asn Gly Thr His Cys Pro Leu Gly Pro Gly Arg Cys
 275 280 285
 Cys Arg Leu His Thr Val Arg Ala Ser Leu Glu Asp Leu Gly Trp Ala
 290 295 300
 Asp Trp Val Leu Ser Pro Arg Glu Val Gln Val Thr Met Cys Ile Gly
 305 310 315 320
 Ala Cys Pro Ser Gln Phe Arg Ala Ala Asn Met His Ala Gln Ile Lys
 325 330 335
 Thr Ser Leu His Arg Leu Lys Pro Asp Thr Val Pro Ala Pro Cys Cys
 340 345 350
 Val Pro Ala Ser Tyr Asn Pro Met Val Leu Ile Gln Lys Thr Asp Thr
 355 360 365
 Gly Val Ser Leu Gln Thr Tyr Asp Asp Leu Leu Ala Lys Asp Cys His
 370 375 380
 Cys Ile
 385

NGMB-142WO_SeqList

<210> 78
 <211> 369
 <212> PRT
 <213> Artificial sequence

<220>
 <223> synthetic polypeptide sequence

<400> 78

Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp
 1 5 10 15

Leu Arg Gly Ala Arg Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro
 20 25 30

Ala Pro Ala Leu Ala Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys
 35 40 45

Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
 50 55 60

Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
 65 70 75 80

Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
 85 90 95

Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His
 100 105 110

Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
 115 120 125

Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln
 130 135 140

Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met
 145 150 155 160

Thr Lys Asn Gln Val Ser Leu Trp Cys Leu Val Lys Gly Phe Tyr Pro
 165 170 175

Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn
 180 185 190

Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu
 195 200 205

Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val
 210 215 220

NGMB-142WO_SeqList

Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
 225 230 235 240
 Lys Ser Leu Ser Leu Ser Pro Gly Lys Gly Gly Gly Gly Ser Gly Gly
 245 250 255
 Gly Gly Ser Asn Gly Thr His Cys Pro Leu Gly Pro Gly Arg Cys Cys
 260 265 270
 Arg Leu His Thr Val Arg Ala Ser Leu Glu Asp Leu Gly Trp Ala Asp
 275 280 285
 Trp Val Leu Ser Pro Arg Glu Val Gln Val Thr Met Cys Ile Gly Ala
 290 295 300
 Cys Pro Ser Gln Phe Arg Ala Ala Asn Met His Ala Gln Ile Lys Thr
 305 310 315 320
 Ser Leu His Arg Leu Lys Pro Asp Thr Val Pro Ala Pro Cys Cys Val
 325 330 335
 Pro Ala Ser Tyr Asn Pro Met Val Leu Ile Gln Lys Thr Asp Thr Gly
 340 345 350
 Val Ser Leu Gln Thr Tyr Asp Asp Leu Leu Ala Lys Asp Cys His Cys
 355 360 365
 Ile

<210> 79
 <211> 249
 <212> PRT
 <213> Artificial sequence
 <220>
 <223> synthetic polypeptide sequence
 <400> 79

Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp
 1 5 10 15
 Leu Arg Gly Ala Arg Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro
 20 25 30
 Ala Pro Ala Leu Ala Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys
 35 40 45
 Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
 50 55 60
 Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
 65 70 75 80

NGMB-142WO_SeqList

Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
85 90 95

Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His
100 105 110

Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
115 120 125

Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln
130 135 140

Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met
145 150 155 160

Thr Lys Asn Gln Val Ser Leu Ser Cys Ala Val Lys Gly Phe Tyr Pro
165 170 175

Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn
180 185 190

Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu
195 200 205

Val Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val
210 215 220

Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
225 230 235 240

Lys Ser Leu Ser Leu Ser Pro Gly Lys
245

<210> 80
<211> 384
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic polypeptide sequence

<400> 80

Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp
1 5 10 15

Leu Arg Gly Ala Arg Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro
20 25 30

Ala Pro Ala Leu Ala Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys
35 40 45

NGMB-142WO_SeqList

Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
50 55 60

Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
65 70 75 80

Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
85 90 95

Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His
100 105 110

Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
115 120 125

Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln
130 135 140

Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met
145 150 155 160

Thr Lys Asn Gln Val Ser Leu Trp Cys Leu Val Lys Gly Phe Tyr Pro
165 170 175

Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn
180 185 190

Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu
195 200 205

Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val
210 215 220

Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
225 230 235 240

Lys Ser Leu Ser Leu Ser Pro Gly Lys Gly Gly Gly Gly Ser Gly Gly
245 250 255

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
260 265 270

Gly Ser Asn Gly Thr His Cys Pro Leu Gly Pro Gly Arg Cys Cys Arg
275 280 285

Leu His Thr Val Arg Ala Ser Leu Glu Asp Leu Gly Trp Ala Asp Trp
290 295 300

Val Leu Ser Pro Arg Glu Val Gln Val Thr Met Cys Ile Gly Ala Cys
305 310 315 320

NGMB-142WO_SeqList

Pro Ser Gln Phe Arg Ala Ala Asn Met His Ala Gln Ile Lys Thr Ser
325 330 335

Leu His Arg Leu Lys Pro Asp Thr Val Pro Ala Pro Cys Cys Val Pro
340 345 350

Ala Ser Tyr Asn Pro Met Val Leu Ile Gln Lys Thr Asp Thr Gly Val
355 360 365

Ser Leu Gln Thr Tyr Asp Asp Leu Leu Ala Lys Asp Cys His Cys Ile
370 375 380

<210> 81

<211> 249

<212> PRT

<213> Artificial sequence

<220>

<223> synthetic polypeptide sequence

<400> 81

Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp
1 5 10 15

Leu Arg Gly Ala Arg Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro
20 25 30

Ala Pro Ala Leu Ala Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys
35 40 45

Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
50 55 60

Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
65 70 75 80

Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
85 90 95

Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His
100 105 110

Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
115 120 125

Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln
130 135 140

Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met
145 150 155 160

Thr Lys Asn Gln Val Ser Leu Ser Cys Ala Val Lys Gly Phe Tyr Pro
165 170 175

NGMB-142WO_SeqList

Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn
180 185 190

Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu
195 200 205

Val Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val
210 215 220

Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
225 230 235 240

Lys Ser Leu Ser Leu Ser Pro Gly Lys
245

<210> 82

<211> 383

<212> PRT

<213> Artificial sequence

<220>

<223> synthetic polypeptide sequence

<400> 82

Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp
1 5 10 15

Leu Arg Gly Ala Arg Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro
20 25 30

Ala Pro Ala Leu Ala Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys
35 40 45

Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
50 55 60

Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
65 70 75 80

Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
85 90 95

Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His
100 105 110

Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
115 120 125

Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln
130 135 140

NGMB-142WO_SeqList

Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met
145 150 155 160

Thr Lys Asn Gln Val Ser Leu Trp Cys Leu Val Lys Gly Phe Tyr Pro
165 170 175

Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn
180 185 190

Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu
195 200 205

Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val
210 215 220

Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
225 230 235 240

Lys Ser Leu Ser Leu Ser Pro Gly Lys Gly Gly Gly Ser Gly Gly
245 250 255

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
260 265 270

Gly Ser Gly Asp His Cys Pro Leu Gly Pro Gly Arg Cys Cys Arg Leu
275 280 285

His Thr Val Asn Ala Ser Leu Glu Asp Leu Gly Trp Ala Asp Trp Val
290 295 300

Leu Ser Pro Arg Glu Val Gln Val Thr Met Cys Ile Gly Ala Cys Pro
305 310 315 320

Ser Gln Phe Arg Ala Ala Asn Met His Ala Gln Ile Lys Thr Ser Leu
325 330 335

His Arg Leu Lys Pro Asp Thr Val Pro Ala Pro Cys Cys Val Pro Ala
340 345 350

Ser Tyr Asn Pro Met Val Leu Ile Gln Lys Thr Asp Thr Gly Val Ser
355 360 365

Leu Gln Thr Tyr Asp Asp Leu Leu Ala Lys Asp Cys His Cys Ile
370 375 380

<210> 83

<211> 249

<212> PRT

<213> Artificial sequence

<220>

<223> synthetic polypeptide sequence

NGMB-142WO_SeqList

<400> 83

Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp
1 5 10 15
Leu Arg Gly Ala Arg Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro
20 25 30
Ala Pro Ala Leu Ala Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys
35 40 45
Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
50 55 60
Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
65 70 75 80
Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
85 90 95
Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His
100 105 110
Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
115 120 125
Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln
130 135 140
Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met
145 150 155 160
Thr Lys Asn Gln Val Ser Leu Ser Cys Ala Val Lys Gly Phe Tyr Pro
165 170 175
Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn
180 185 190
Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu
195 200 205
Val Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val
210 215 220
Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
225 230 235 240
Lys Ser Leu Ser Leu Ser Pro Gly Lys
245

<210> 84

<211> 383

NGMB-142WO_SeqList

<212> PRT

<213> Artificial sequence

<220>

<223> synthetic polypeptide sequence

<400> 84

Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp
1 5 10 15

Leu Arg Gly Ala Arg Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro
20 25 30

Ala Pro Ala Leu Ala Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys
35 40 45

Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
50 55 60

Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
65 70 75 80

Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
85 90 95

Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His
100 105 110

Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
115 120 125

Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln
130 135 140

Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met
145 150 155 160

Thr Lys Asn Gln Val Ser Leu Trp Cys Leu Val Lys Gly Phe Tyr Pro
165 170 175

Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn
180 185 190

Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu
195 200 205

Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val
210 215 220

Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
225 230 235 240

NGMB-142WO_SeqList

Lys Ser Leu Ser Leu Ser Pro Gly Lys Gly Gly Gly Gly Ser Gly Gly
245 250 255

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
260 265 270

Gly Ser Gly Asp His Cys Pro Leu Gly Pro Gly Arg Cys Cys Arg Leu
275 280 285

His Thr Val Arg Ala Asn Leu Thr Asp Leu Gly Trp Ala Asp Trp Val
290 295 300

Leu Ser Pro Arg Glu Val Gln Val Thr Met Cys Ile Gly Ala Cys Pro
305 310 315 320

Ser Gln Phe Arg Ala Ala Asn Met His Ala Gln Ile Lys Thr Ser Leu
325 330 335

His Arg Leu Lys Pro Asp Thr Val Pro Ala Pro Cys Cys Val Pro Ala
340 345 350

Ser Tyr Asn Pro Met Val Leu Ile Gln Lys Thr Asp Thr Gly Val Ser
355 360 365

Leu Gln Thr Tyr Asp Asp Leu Leu Ala Lys Asp Cys His Cys Ile
370 375 380

<210> 85

<211> 249

<212> PRT

<213> Artificial sequence

<220>

<223> synthetic polypeptide sequence

<400> 85

Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp
1 5 10 15

Leu Arg Gly Ala Arg Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro
20 25 30

Ala Pro Ala Leu Ala Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys
35 40 45

Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
50 55 60

Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
65 70 75 80

Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
85 90 95

NGMB-142WO_SeqList

Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His
100 105 110

Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
115 120 125

Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln
130 135 140

Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met
145 150 155 160

Thr Lys Asn Gln Val Ser Leu Ser Cys Ala Val Lys Gly Phe Tyr Pro
165 170 175

Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn
180 185 190

Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu
195 200 205

Val Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val
210 215 220

Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
225 230 235 240

Lys Ser Leu Ser Leu Ser Pro Gly Lys
245

<210> 86
<211> 383
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic polypeptide sequence

<400> 86

Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp
1 5 10 15

Leu Arg Gly Ala Arg Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro
20 25 30

Ala Pro Ala Leu Ala Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys
35 40 45

Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
50 55 60

NGMB-142WO_SeqList

Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
65 70 75 80

Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
85 90 95

Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His
100 105 110

Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
115 120 125

Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln
130 135 140

Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met
145 150 155 160

Thr Lys Asn Gln Val Ser Leu Trp Cys Leu Val Lys Gly Phe Tyr Pro
165 170 175

Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn
180 185 190

Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu
195 200 205

Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val
210 215 220

Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
225 230 235 240

Lys Ser Leu Ser Leu Ser Pro Gly Lys Gly Gly Gly Gly Ser Gly Gly
245 250 255

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
260 265 270

Gly Ser Gly Asp His Cys Pro Leu Gly Pro Gly Arg Cys Cys Arg Leu
275 280 285

His Thr Val Arg Ala Ser Leu Glu Asp Leu Gly Trp Ala Asp Trp Val
290 295 300

Leu Ser Pro Arg Glu Val Gln Val Thr Met Cys Ile Gly Ala Cys Pro
305 310 315 320

Ser Gln Asn Arg Thr Ala Asn Met His Ala Gln Ile Lys Thr Ser Leu
325 330 335

NGMB-142WO_SeqList

His Arg Leu Lys Pro Asp Thr Val Pro Ala Pro Cys Cys Val Pro Ala
340 345 350

Ser Tyr Asn Pro Met Val Leu Ile Gln Lys Thr Asp Thr Gly Val Ser
355 360 365

Leu Gln Thr Tyr Asp Asp Leu Leu Ala Lys Asp Cys His Cys Ile
370 375 380

<210> 87

<211> 249

<212> PRT

<213> Artificial sequence

<220>

<223> synthetic polypeptide sequence

<400> 87

Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp
1 5 10 15

Leu Arg Gly Ala Arg Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro
20 25 30

Ala Pro Ala Leu Ala Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys
35 40 45

Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
50 55 60

Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
65 70 75 80

Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
85 90 95

Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His
100 105 110

Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
115 120 125

Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln
130 135 140

Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met
145 150 155 160

Thr Lys Asn Gln Val Ser Leu Ser Cys Ala Val Lys Gly Phe Tyr Pro
165 170 175

Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn
180 185 190

NGMB-142WO_SeqList

Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu
195 200 205

Val Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val
210 215 220

Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
225 230 235 240

Lys Ser Leu Ser Leu Ser Pro Gly Lys
245

<210> 88

<211> 383

<212> PRT

<213> Artificial sequence

<220>

<223> synthetic polypeptide sequence

<400> 88

Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp
1 5 10 15

Leu Arg Gly Ala Arg Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro
20 25 30

Ala Pro Ala Leu Ala Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys
35 40 45

Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
50 55 60

Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
65 70 75 80

Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
85 90 95

Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His
100 105 110

Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
115 120 125

Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln
130 135 140

Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met
145 150 155 160

NGMB-142WO_SeqList

Thr Lys Asn Gln Val Ser Leu Trp Cys Leu Val Lys Gly Phe Tyr Pro
165 170 175

Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn
180 185 190

Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu
195 200 205

Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val
210 215 220

Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
225 230 235 240

Lys Ser Leu Ser Leu Ser Pro Gly Lys Gly Gly Gly Gly Ser Gly Gly
245 250 255

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
260 265 270

Gly Ser Gly Asp His Cys Pro Leu Gly Pro Gly Arg Cys Cys Arg Leu
275 280 285

His Thr Val Arg Ala Ser Leu Glu Asp Leu Gly Trp Ala Asp Trp Val
290 295 300

Leu Ser Pro Arg Glu Val Gln Val Thr Met Cys Ile Gly Ala Cys Pro
305 310 315 320

Ser Gln Phe Asn Ala Thr Asn Met His Ala Gln Ile Lys Thr Ser Leu
325 330 335

His Arg Leu Lys Pro Asp Thr Val Pro Ala Pro Cys Cys Val Pro Ala
340 345 350

Ser Tyr Asn Pro Met Val Leu Ile Gln Lys Thr Asp Thr Gly Val Ser
355 360 365

Leu Gln Thr Tyr Asp Asp Leu Leu Ala Lys Asp Cys His Cys Ile
370 375 380

<210> 89

<211> 249

<212> PRT

<213> Artificial sequence

<220>

<223> synthetic polypeptide sequence

<400> 89

Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp
1 5 10 15

NGMB-142WO_SeqList

Leu Arg Gly Ala Arg Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro
 20 25 30
 Ala Pro Ala Leu Ala Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys
 35 40 45
 Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
 50 55 60
 Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
 65 70 75 80
 Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
 85 90 95
 Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His
 100 105 110
 Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
 115 120 125
 Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln
 130 135 140
 Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met
 145 150 155 160
 Thr Lys Asn Gln Val Ser Leu Ser Cys Ala Val Lys Gly Phe Tyr Pro
 165 170 175
 Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn
 180 185 190
 Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu
 195 200 205
 Val Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val
 210 215 220
 Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
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Ala Pro Ala Leu Ala Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys
          35          40          45

Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
50          55          60

Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
65          70          75          80

Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
          85          90          95

Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His
100          105          110

Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
115          120          125

Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln
130          135          140

Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met
145          150          155          160

Thr Lys Asn Gln Val Ser Leu Trp Cys Leu Val Lys Gly Phe Tyr Pro
165          170          175

Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn
180          185          190

Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu
195          200          205

Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val
210          215          220

Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
225          230          235          240

Lys Ser Leu Ser Leu Ser Pro Gly Lys Gly Gly Gly Gly Ser Gly Gly
245          250          255

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NGMB-142WO_SeqList

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275 280 285

His Thr Val Arg Ala Ser Leu Glu Asp Leu Gly Trp Ala Asp Trp Val
290 295 300

Leu Ser Pro Arg Glu Val Gln Val Thr Met Cys Ile Gly Ala Cys Pro
305 310 315 320

Ser Gln Phe Arg Ala Ala Asn Met His Ala Gln Ile Lys Thr Ser Leu
325 330 335

His Arg Leu Lys Pro Asp Thr Val Pro Ala Pro Cys Cys Val Pro Ala
340 345 350

Ser Tyr Asn Pro Met Val Leu Ile Gln Asn Thr Thr Thr Gly Val Ser
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Ala Pro Ala Leu Ala Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys
35 40 45

Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
50 55 60

Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
65 70 75 80

Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
85 90 95

Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His
100 105 110

NGMB-142WO_SeqList

Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
115 120 125

Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln
130 135 140

Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met
145 150 155 160

Thr Lys Asn Gln Val Ser Leu Ser Cys Ala Val Lys Gly Phe Tyr Pro
165 170 175

Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn
180 185 190

Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu
195 200 205

Val Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val
210 215 220

Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
225 230 235 240

Lys Ser Leu Ser Leu Ser Pro Gly Lys
245

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20 25 30

Ala Pro Ala Leu Ala Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys
35 40 45

Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
50 55 60

Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
65 70 75 80

NGMB-142WO_SeqList

Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
85 90 95

Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His
100 105 110

Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
115 120 125

Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln
130 135 140

Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met
145 150 155 160

Thr Lys Asn Gln Val Ser Leu Trp Cys Leu Val Lys Gly Phe Tyr Pro
165 170 175

Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn
180 185 190

Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu
195 200 205

Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val
210 215 220

Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
225 230 235 240

Lys Ser Leu Ser Leu Ser Pro Gly Lys Gly Gly Gly Gly Ser Gly Gly
245 250 255

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
260 265 270

Gly Ser Gly Asp His Cys Pro Leu Gly Pro Gly Arg Cys Cys Arg Leu
275 280 285

His Thr Val Arg Ala Ser Leu Glu Asp Leu Gly Trp Ala Asp Trp Val
290 295 300

Leu Ser Pro Arg Glu Val Gln Val Thr Met Cys Ile Gly Ala Cys Pro
305 310 315 320

Ser Gln Phe Arg Ala Ala Asn Met His Ala Gln Ile Lys Thr Ser Leu
325 330 335

His Arg Leu Lys Pro Asp Thr Val Pro Ala Pro Cys Cys Val Pro Ala
340 345 350

NGMB-142WO_SeqList

Ser Tyr Asn Pro Met Val Leu Ile Gln Lys Thr Asn Thr Thr Val Ser
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Leu Gln Thr Tyr Asp Asp Leu Leu Ala Lys Asp Cys His Cys Ile
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Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp
1 5 10 15

Leu Arg Gly Ala Arg Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro
20 25 30

Ala Pro Ala Leu Ala Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys
35 40 45

Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
50 55 60

Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
65 70 75 80

Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
85 90 95

Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His
100 105 110

Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
115 120 125

Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln
130 135 140

Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met
145 150 155 160

Thr Lys Asn Gln Val Ser Leu Ser Cys Ala Val Lys Gly Phe Tyr Pro
165 170 175

Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn
180 185 190

Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu
195 200 205

NGMB-142WO_SeqList

Val Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val
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Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
225 230 235 240

Lys Ser Leu Ser Leu Ser Pro Gly Lys
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1 5

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Ala Pro Ala Leu Leu Gly Gly Pro
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Ala Pro Glu Leu Ala Gly Gly Pro
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Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro
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Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro
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Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro
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<211> 10

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Thr His Thr Cys Pro Pro Cys Pro
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Leu Arg Gly Ala Arg Cys Ala Arg Asn Gly Asp His Cys Pro Leu Gly
 20 25 30

Pro Gly Arg Cys Cys Arg Leu His Thr Val Arg Ala Ser Leu Glu Asp
 35 40 45

Leu Gly Trp Ala Asp Trp Val Leu Ser Pro Arg Glu Val Gln Val Thr
 50 55 60

Met Cys Ile Gly Ala Cys Pro Ser Gln Phe Arg Ala Ala Asn Met His
 65 70 75 80

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

Ala Pro Cys Cys Val Pro Ala Ser Tyr Asn Pro Met Val Leu Ile Gln
 100 105 110

Lys Thr Asp Thr Gly Val Ser Leu Gln Thr Tyr Asp Asp Leu Leu Ala
 115 120 125

Lys Asp Cys His Cys Ile
 130

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Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp
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Leu Arg Gly Ala Arg Cys Ala Arg Asn Gly Asp His Cys Pro Leu Gly
20 25 30

Pro Gly Arg Cys Cys Arg Leu His Thr Val Asn Ala Ser Leu Glu Asp
35 40 45

Leu Gly Trp Ala Asp Trp Val Leu Ser Pro Arg Glu Val Gln Val Thr
50 55 60

Met Cys Ile Gly Ala Cys Pro Ser Gln Phe Arg Ala Ala Asn Met His
65 70 75 80

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

Ala Pro Cys Cys Val Pro Ala Ser Tyr Asn Pro Met Val Leu Ile Gln
100 105 110

Lys Thr Asp Thr Gly Val Ser Leu Gln Thr Tyr Asp Asp Leu Leu Ala
115 120 125

Lys Asp Cys His Cys Ile
130

<210> 110

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<212> PRT

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<400> 110

Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp
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20 25 30

Pro Gly Arg Cys Cys Arg Leu His Thr Val Arg Ala Ser Leu Glu Asp
35 40 45

Leu Gly Trp Ala Asp Trp Val Leu Ser Pro Arg Glu Val Gln Val Thr
50 55 60

Met Cys Ile Gly Ala Cys Pro Ser Gln Phe Asn Ala Thr Asn Met His
65 70 75 80

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

NGMB-142WO_SeqList

Ala Pro Cys Cys Val Pro Ala Ser Tyr Asn Pro Met Val Leu Ile Gln
100 105 110

Lys Thr Asp Thr Gly Val Ser Leu Gln Thr Tyr Asp Asp Leu Leu Ala
115 120 125

Lys Asp Cys His Cys Ile
130

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<400> 111

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20 25 30

Pro Gly Arg Cys Cys Arg Leu His Thr Val Arg Ala Ser Leu Glu Asp
35 40 45

Leu Gly Trp Ala Asp Trp Val Leu Ser Pro Arg Glu Val Gln Val Thr
50 55 60

Met Cys Ile Gly Ala Cys Pro Ser Gln Phe Arg Ala Ala Asn Met His
65 70 75 80

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

Ala Pro Cys Cys Val Pro Ala Ser Tyr Asn Pro Met Val Leu Ile Gln
100 105 110

Lys Thr Asp Thr Gly Val Ser Leu Gln Thr Tyr Asp Asp Leu Leu Ala
115 120 125

Lys Asp Cys His Cys Ile
130

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NGMB-142WO_SeqList

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20 25 30

Pro Gly Arg Cys Cys Arg Leu His Thr Val Arg Ala Ser Leu Glu Asp
35 40 45

Leu Gly Trp Ala Asp Trp Val Leu Ser Pro Arg Glu Val Gln Val Thr
50 55 60

Met Cys Ile Gly Ala Cys Pro Ser Gln Phe Arg Ala Ala Asn Met His
65 70 75 80

Ala Gln Ile Lys Thr Ser Leu His Arg Leu Lys Asn Asp Thr Val Pro
85 90 95

Ala Pro Cys Cys Val Pro Ala Ser Tyr Asn Pro Met Val Leu Ile Gln
100 105 110

Lys Thr Asp Thr Gly Val Ser Leu Gln Thr Tyr Asp Asp Leu Leu Ala
115 120 125

Lys Asp Cys His Cys Ile
130

<210> 113
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<400> 113

Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp
1 5 10 15

Leu Arg Gly Ala Arg Cys Ala Arg Asn Gly Asp His Cys Pro Leu Gly
20 25 30

Pro Gly Arg Cys Cys Arg Leu His Thr Val Arg Ala Ser Leu Glu Asp
35 40 45

Leu Gly Trp Ala Asp Trp Val Leu Ser Pro Arg Glu Val Gln Val Thr
50 55 60

Met Cys Ile Gly Ala Cys Pro Ser Gln Phe Arg Ala Ala Asn Met His
65 70 75 80

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

NGMB-142WO_SeqList

Ala Pro Cys Cys Val Pro Ala Ser Tyr Asn Pro Met Val Leu Ile Asn
100 105 110

Lys Thr Asp Thr Gly Val Ser Leu Gln Thr Tyr Asp Asp Leu Leu Ala
115 120 125

Lys Asp Cys His Cys Ile
130

<210> 114
<211> 134
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Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp
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Leu Arg Gly Ala Arg Cys Ala Arg Asn Gly Asp His Cys Pro Leu Gly
20 25 30

Pro Gly Arg Cys Cys Arg Leu His Thr Val Arg Ala Ser Leu Glu Asp
35 40 45

Leu Gly Trp Ala Asp Trp Val Leu Ser Pro Arg Glu Val Gln Val Thr
50 55 60

Met Cys Ile Gly Ala Cys Pro Ser Gln Phe Arg Ala Ala Asn Met His
65 70 75 80

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

Ala Pro Cys Cys Val Pro Ala Ser Tyr Asn Pro Met Val Leu Ile Gln
100 105 110

Asn Thr Thr Thr Gly Val Ser Leu Gln Thr Tyr Asp Asp Leu Leu Ala
115 120 125

Lys Asp Cys His Cys Ile
130

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NGMB-142WO_SeqList

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Leu Arg Gly Ala Arg Cys Ala Arg Asn Gly Asp His Cys Pro Leu Gly
20 25 30

Pro Gly Arg Cys Cys Arg Leu His Thr Val Arg Ala Ser Leu Glu Asp
35 40 45

Leu Gly Trp Ala Asp Trp Val Leu Ser Pro Arg Glu Val Gln Val Thr
50 55 60

Met Cys Ile Gly Ala Cys Pro Ser Gln Phe Arg Ala Ala Asn Met His
65 70 75 80

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

Ala Pro Cys Cys Val Pro Ala Ser Tyr Asn Pro Met Val Leu Ile Gln
100 105 110

Lys Thr Asn Thr Thr Val Ser Leu Gln Thr Tyr Asp Asp Leu Leu Ala
115 120 125

Lys Asp Cys His Cys Ile
130

<210> 116

<211> 134

<212> PRT

<213> Artificial sequence

<220>

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<400> 116

Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp
1 5 10 15

Leu Arg Gly Ala Arg Cys Ala Arg Asn Gly Asp His Cys Pro Leu Gly
20 25 30

Pro Gly Arg Cys Cys Arg Leu His Thr Val Arg Ala Ser Leu Glu Asp
35 40 45

Leu Gly Trp Ala Asp Trp Val Leu Ser Pro Arg Glu Val Gln Val Thr
50 55 60

Met Cys Ile Gly Ala Cys Pro Ser Gln Phe Arg Ala Ala Asn Met His
65 70 75 80

NGMB-142WO_SeqList

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

Ala Pro Cys Cys Val Pro Ala Ser Tyr Asn Pro Met Val Leu Ile Gln
100 105 110

Lys Thr Asp Thr Asn Val Ser Leu Gln Thr Tyr Asp Asp Leu Leu Ala
115 120 125

Lys Asp Cys His Cys Ile
130

<210> 117
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<212> PRT
<213> Artificial sequence

<220>
<223> synthetic polypeptide sequence

<400> 117

Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp
1 5 10 15

Leu Arg Gly Ala Arg Cys Ala Arg Asn Gly Asp His Cys Pro Leu Gly
20 25 30

Pro Gly Arg Cys Cys Arg Leu His Thr Val Arg Ala Ser Leu Glu Asp
35 40 45

Leu Gly Trp Ala Asp Trp Val Leu Ser Pro Arg Glu Val Gln Val Thr
50 55 60

Met Cys Ile Gly Ala Cys Pro Ser Gln Phe Arg Ala Ala Asn Met His
65 70 75 80

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

Ala Pro Cys Cys Val Pro Ala Ser Tyr Asn Pro Met Val Leu Ile Gln
100 105 110

Lys Thr Asp Thr Gly Val Asn Leu Thr Thr Tyr Asp Asp Leu Leu Ala
115 120 125

Lys Asp Cys His Cys Ile
130

<210> 118
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NGMB-142WO_SeqList

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Leu Arg Gly Ala Arg Cys Ala Arg Asn Gly Asp His Cys Pro Leu Gly
20 25 30

Pro Gly Arg Cys Cys Arg Leu His Thr Val Arg Ala Ser Leu Glu Asp
35 40 45

Leu Gly Trp Ala Asp Trp Val Leu Ser Pro Arg Glu Val Gln Val Thr
50 55 60

Met Cys Ile Gly Ala Cys Pro Ser Gln Phe Arg Ala Ala Asn Met His
65 70 75 80

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

Ala Pro Cys Cys Val Pro Ala Ser Tyr Asn Pro Met Val Leu Ile Gln
100 105 110

Lys Thr Asp Thr Gly Val Ser Asn Gln Thr Tyr Asp Asp Leu Leu Ala
115 120 125

Lys Asp Cys His Cys Ile
130

<210> 119

<211> 17

<212> PRT

<213> Artificial sequence

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Asn Gly Asp His Cys Pro Leu Gly Pro Gly Arg Cys Cys Arg Leu His
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Thr

<210> 120

<211> 5

<212> PRT

<213> Artificial sequence

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<210> 121
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<220>
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 <223> this amino acid may be repeated up to 20 times

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<220>
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<400> 121
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 1 5

<210> 122
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NGMB-142WO_SeqList

<220>
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<400> 122

Gly Ser Gly Gly Ser
 1 5

<210> 123
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<220>
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<400> 123

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 1 5

<210> 124
 <211> 4
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<220>
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<220>
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 <222> (4)..(4)
 <223> this amino acid may be repeated up to 20 times

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<210> 125
 <211> 4
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<400> 125

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Gly Gly Gly Gly Ser

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5

<210> 127

<211> 227

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20 25 30

Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His
35 40 45

Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val
50 55 60

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr
65 70 75 80

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
85 90 95

NGMB-142WO_SeqList

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile
100 105 110

Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val
115 120 125

Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser
130 135 140

Leu Trp Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
145 150 155 160

Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
165 170 175

Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val
180 185 190

Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
195 200 205

His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
210 215 220

Pro Gly Lys
225

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<211> 112
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic polypeptide sequence

<400> 128

Ala Arg Asn Gly Thr His Cys Pro Leu Gly Pro Gly Arg Cys Cys Arg
1 5 10 15

Leu His Thr Val Arg Ala Ser Leu Glu Asp Leu Gly Trp Ala Asp Trp
20 25 30

Val Leu Ser Pro Arg Glu Val Gln Val Thr Met Cys Ile Gly Ala Cys
35 40 45

Pro Ser Gln Phe Arg Ala Ala Asn Met His Ala Gln Ile Lys Thr Ser
50 55 60

Leu His Arg Leu Lys Pro Asp Thr Val Pro Ala Pro Cys Cys Val Pro
65 70 75 80

Ala Ser Tyr Asn Pro Met Val Leu Ile Gln Lys Thr Asp Thr Gly Val
85 90 95

NGMB-142WO_SeqList

Ser Leu Gln Thr Tyr Asp Asp Leu Leu Ala Lys Asp Cys His Cys Ile
100 105 110

<210> 129
<211> 110
<212> PRT
<213> Artificial sequence

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<223> synthetic polypeptide sequence
<400> 129

Asn Gly Thr His Cys Pro Leu Gly Pro Gly Arg Cys Cys Arg Leu His
1 5 10 15

Thr Val Arg Ala Ser Leu Glu Asp Leu Gly Trp Ala Asp Trp Val Leu
20 25 30

Ser Pro Arg Glu Val Gln Val Thr Met Cys Ile Gly Ala Cys Pro Ser
35 40 45

Gln Phe Arg Ala Ala Asn Met His Ala Gln Ile Lys Thr Ser Leu His
50 55 60

Arg Leu Lys Pro Asp Thr Val Pro Ala Pro Cys Cys Val Pro Ala Ser
65 70 75 80

Tyr Asn Pro Met Val Leu Ile Gln Lys Thr Asp Thr Gly Val Ser Leu
85 90 95

Gln Thr Tyr Asp Asp Leu Leu Ala Lys Asp Cys His Cys Ile
100 105 110

<210> 130
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<212> PRT
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<400> 130

Gly Thr His Cys Pro Leu Gly Pro Gly Arg Cys Cys Arg Leu His Thr
1 5 10 15

Val Arg Ala Ser Leu Glu Asp Leu Gly Trp Ala Asp Trp Val Leu Ser
20 25 30

Pro Arg Glu Val Gln Val Thr Met Cys Ile Gly Ala Cys Pro Ser Gln
35 40 45

Phe Arg Ala Ala Asn Met His Ala Gln Ile Lys Thr Ser Leu His Arg
50 55 60

NGMB-142WO_SeqList

Leu Lys Pro Asp Thr Val Pro Ala Pro Cys Cys Val Pro Ala Ser Tyr
65 70 75 80

Asn Pro Met Val Leu Ile Gln Lys Thr Asp Thr Gly Val Ser Leu Gln
85 90 95

Thr Tyr Asp Asp Leu Leu Ala Lys Asp Cys His Cys Ile
100 105

<210> 131
<211> 109
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic polypeptide sequence

<400> 131

Gly Asp His Cys Pro Leu Gly Pro Gly Arg Cys Cys Arg Leu His Thr
1 5 10 15

Val Asn Ala Ser Leu Glu Asp Leu Gly Trp Ala Asp Trp Val Leu Ser
20 25 30

Pro Arg Glu Val Gln Val Thr Met Cys Ile Gly Ala Cys Pro Ser Gln
35 40 45

Phe Arg Ala Ala Asn Met His Ala Gln Ile Lys Thr Ser Leu His Arg
50 55 60

Leu Lys Pro Asp Thr Val Pro Ala Pro Cys Cys Val Pro Ala Ser Tyr
65 70 75 80

Asn Pro Met Val Leu Ile Gln Lys Thr Asp Thr Gly Val Ser Leu Gln
85 90 95

Thr Tyr Asp Asp Leu Leu Ala Lys Asp Cys His Cys Ile
100 105

<210> 132
<211> 109
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic polypeptide sequence

<400> 132

Gly Asp His Cys Pro Leu Gly Pro Gly Arg Cys Cys Arg Leu His Thr
1 5 10 15

Val Arg Ala Asn Leu Thr Asp Leu Gly Trp Ala Asp Trp Val Leu Ser
20 25 30

NGMB-142WO_SeqList

Pro Arg Glu Val Gln Val Thr Met Cys Ile Gly Ala Cys Pro Ser Gln
35 40 45

Phe Arg Ala Ala Asn Met His Ala Gln Ile Lys Thr Ser Leu His Arg
50 55 60

Leu Lys Pro Asp Thr Val Pro Ala Pro Cys Cys Val Pro Ala Ser Tyr
65 70 75 80

Asn Pro Met Val Leu Ile Gln Lys Thr Asp Thr Gly Val Ser Leu Gln
85 90 95

Thr Tyr Asp Asp Leu Leu Ala Lys Asp Cys His Cys Ile
100 105

<210> 133
<211> 109
<212> PRT
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<400> 133

Gly Asp His Cys Pro Leu Gly Pro Gly Arg Cys Cys Arg Leu His Thr
1 5 10 15

Val Arg Ala Ser Leu Glu Asp Leu Gly Trp Ala Asp Trp Val Leu Ser
20 25 30

Pro Arg Glu Val Gln Val Thr Met Cys Ile Gly Ala Cys Pro Ser Gln
35 40 45

Asn Arg Thr Ala Asn Met His Ala Gln Ile Lys Thr Ser Leu His Arg
50 55 60

Leu Lys Pro Asp Thr Val Pro Ala Pro Cys Cys Val Pro Ala Ser Tyr
65 70 75 80

Asn Pro Met Val Leu Ile Gln Lys Thr Asp Thr Gly Val Ser Leu Gln
85 90 95

Thr Tyr Asp Asp Leu Leu Ala Lys Asp Cys His Cys Ile
100 105

<210> 134
<211> 109
<212> PRT
<213> Artificial sequence

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NGMB-142WO_SeqList

<400> 134

Gly Asp His Cys Pro Leu Gly Pro Gly Arg Cys Cys Arg Leu His Thr
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 Val Arg Ala Ser Leu Glu Asp Leu Gly Trp Ala Asp Trp Val Leu Ser
 20 25 30
 Pro Arg Glu Val Gln Val Thr Met Cys Ile Gly Ala Cys Pro Ser Gln
 35 40 45
 Phe Asn Ala Thr Asn Met His Ala Gln Ile Lys Thr Ser Leu His Arg
 50 55 60
 Leu Lys Pro Asp Thr Val Pro Ala Pro Cys Cys Val Pro Ala Ser Tyr
 65 70 75 80
 Asn Pro Met Val Leu Ile Gln Lys Thr Asp Thr Gly Val Ser Leu Gln
 85 90 95
 Thr Tyr Asp Asp Leu Leu Ala Lys Asp Cys His Cys Ile
 100 105

<210> 135

<211> 109

<212> PRT

<213> Artificial sequence

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<223> synthetic polypeptide sequence

<400> 135

Gly Asp His Cys Pro Leu Gly Pro Gly Arg Cys Cys Arg Leu His Thr
 1 5 10 15
 Val Arg Ala Ser Leu Glu Asp Leu Gly Trp Ala Asp Trp Val Leu Ser
 20 25 30
 Pro Arg Glu Val Gln Val Thr Met Cys Ile Gly Ala Cys Pro Ser Gln
 35 40 45
 Phe Arg Ala Ala Asn Met His Ala Gln Ile Lys Thr Ser Leu His Arg
 50 55 60
 Leu Lys Pro Asp Thr Val Pro Ala Pro Cys Cys Val Pro Ala Ser Tyr
 65 70 75 80
 Asn Pro Met Val Leu Ile Gln Asn Thr Thr Thr Gly Val Ser Leu Gln
 85 90 95
 Thr Tyr Asp Asp Leu Leu Ala Lys Asp Cys His Cys Ile
 100 105

NGMB-142WO_SeqList

<210> 136

<211> 109

<212> PRT

<213> Artificial sequence

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<223> synthetic polypeptide sequence

<400> 136

Gly Asp His Cys Pro Leu Gly Pro Gly Arg Cys Cys Arg Leu His Thr
1 5 10 15

Val Arg Ala Ser Leu Glu Asp Leu Gly Trp Ala Asp Trp Val Leu Ser
20 25 30

Pro Arg Glu Val Gln Val Thr Met Cys Ile Gly Ala Cys Pro Ser Gln
35 40 45

Phe Arg Ala Ala Asn Met His Ala Gln Ile Lys Thr Ser Leu His Arg
50 55 60

Leu Lys Pro Asp Thr Val Pro Ala Pro Cys Cys Val Pro Ala Ser Tyr
65 70 75 80

Asn Pro Met Val Leu Ile Gln Lys Thr Asn Thr Thr Val Ser Leu Gln
85 90 95

Thr Tyr Asp Asp Leu Leu Ala Lys Asp Cys His Cys Ile
100 105