SEQUENCE LISTING

<110> The Brigham and Women's Hospital, Inc.
Lee, Richard T.

<120> Methods of Promoting Cardiac Repair Using Growth Factors Fused to Heparin Binding Sequences

<130> 7570/11900

<150> 60/858,406
<151> 2006-11-13

<160> 24

<170> PatentIn version 3.4

<210> 1
<211> 153
<212> PRT
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<400> 1

Met Gly Lys Ile Ser Ser Leu Pro Thr Gln Leu Phe Lys Cys Cys Phe
1 5 10 15

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

Phe Tyr Leu Ala Leu Cys Leu Leu Thr Phe Thr Ser Ser Ala Thr Ala
35 40 45

Gly Pro Glu Thr Leu Cys Gly Ala Glu Leu Val Asp Ala Leu Gln Phe
50 55 60

Val Cys Gly Asp Arg Gly Phe Tyr Phe Asn Lys Pro Thr Gly Tyr Gly
65 70 75 80

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

Phe Arg Ser Cys Asp Leu Arg Arg Leu Glu Met Tyr Cys Ala Pro Leu
100 105 110

Lys Pro Ala Lys Ser Ala Arg Ser Val Arg Ala Gln Arg His Thr Asp
115 120 125

Met Pro Lys Thr Gln Lys Glu Val His Leu Lys Asn Ala Ser Arg Gly
130 135 140

Ser Ala Gly Asn Lys Asn Tyr Arg Met
145 150

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Pro Glu Thr Leu Cys Gly Ala Glu Leu Val Asp Ala Leu Gln Phe Val
1 5 10 15

Cys Gly Pro Arg Gly Phe Tyr Phe Asn Lys Pro Thr Gly Tyr Gly Ser
20 25 30

Ser Ile Arg Arg Ala Pro Gln Thr Gly Ile Val Asp Glu Cys Cys Phe
35 40 45

Arg Ser Cys Asp Leu Arg Arg Leu Glu Met Tyr Cys Ala Pro Leu Lys
50 55 60

Pro Thr Lys Ser Ala
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<210> 3
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Lys Lys Lys Arg Lys Gly Lys Gly Leu Gly Lys Lys Arg Asp Pro Cys
1 5 10 15

Leu Lys Lys Tyr Lys Gly
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<210> 4
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<400> 4

Arg Ile Gln Asn Leu Leu Lys Ile Thr Asn Leu Arg Ile Lys Phe Val
1 5 10 15

Lys

<210> 5
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<400> 5

Pro Tyr Val Val Leu Pro Arg Pro Val Cys Phe Glu Lys Gly Met Asn
1 5 10 15

Tyr Thr Val Arg
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<210> 6
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Lys Gln Asn Cys Leu Ser Ser Arg Ala Ser Phe Arg Gly Cys Val Arg
1 5 10 15

Asn Leu Arg Leu Ser Arg
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Lys Asp Gly Arg Lys Ile Cys Leu Asp Leu Gln Ala Pro Leu Tyr Lys
1 5 10 15

Lys Ile Ile Lys Lys Leu Leu Glu Ser
20 25

<210> 8
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Cys Lys Asn Gly Gly Phe Phe Leu Arg Ile Ala Pro Asp Gly Arg Val
1 5 10 15

Asp Gly Val Arg Glu Lys
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Tyr Ser Ser Trp Tyr Val Ala Leu Lys Arg Thr Gly Gln Tyr Lys Leu
1 5 10 15

Gly Pro Lys Thr Gly Pro Gly Gln Lys Ala Ile Leu Phe Leu Pro
20 25 30

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Ala Lys Leu Asn Cys Arg Leu Tyr Arg Lys Ala Asn Lys Ser Ser Lys
1 5 10 15

Leu Val Ser Ala Asn Arg Leu Phe Gly Asp Lys
20 25

<210> 11
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<213> Homo sapiens

<400> 11

Leu Arg Lys Leu Arg Lys Arg Leu Leu Arg Asp Ala Asp Asp Leu Gln
1 5 10 15

Lys Arg Leu Ala Val Tyr Gln
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Pro Leu Gln Glu Arg Ala Gln Ala Ala Trp Gln Glu Arg Leu Arg Ala
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Arg Met Glu Glu Met Gly Ser Arg Thr Arg Asp Arg Leu Asp Glu Val
20 25 30

Lys Glu Gln Val Ala Glu Arg Ala Lys Leu
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Lys Gly Lys Met His Lys Thr Cys Tyr Tyr
1 5 10

<210> 14
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Met Gly Lys Met His Lys Thr Cys Tyr Asn
1 5 10

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<213> Homo sapiens

<400> 15

Pro Pro Thr Ile Ile Trp Lys His Lys Gly Arg Asp Val Ile Leu Lys
1 5 10 15

Lys Asp Val Arg Phe Ile Val Leu Ser Asn Asn Tyr
20 25

<210> 16
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<400> 16

Lys Lys His Glu Ala Lys Asn Trp Phe Val Gly Leu Lys Lys Asn Gly
1 5 10 15

Ser Cys Lys Arg Gly Pro
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<210> 17
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<400> 17

Lys Gly Gly Arg Gly Thr Pro Gly Lys Pro Gly Pro Arg Gly Gln Arg
1 5 10 15

Gly Pro Thr Gly Arg Gly Glu Arg Gly Pro Arg Gly Ile Thr Gly Lys
20 25 30

<210> 18
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<212> PRT
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<400> 18

Gly Glu Phe Tyr Asp Leu Arg Leu Lys Gly Asp Lys
1 5 10

<210> 19
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<212> PRT
<213> Homo sapiens

<400> 19

His Arg His His Pro Arg Glu Met Lys Lys Arg Val Glu Asp Leu
1 5 10 15

<210> 20
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<400> 20

Glu Lys Thr Leu Arg Lys Trp Leu Lys Met Phe Lys Lys Arg
1 5 10

<210> 21
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Ala Glu Ala Ala Ala Arg Ala Ala Ala Arg Arg Ala Ala Arg Arg Ala
1 5 10 15

Ala Ala Arg

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ggaccagagg acccttgcg 20

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agctgacttt gtaggcttca gc 22

<210> 24
<211> 63
<212> PRT
<213> Rattus norvegicus

<400> 24

Ala Ala Ala Ala Ala Gly Ala Ala Gly Ala Gly Gly Ala Ala Ala Gly
1 5 10 15

Gly Cys Ala Ala Gly Gly Gly Gly Thr Thr Ala Gly Gly Ala Ala Ala
20 25 30

Gly Ala Ala Gly Ala Gly Ala Gly Ala Thr Cys Cys Ala Thr Gly Cys
35 40 45

Cys Thr Thr Ala Ala Gly Ala Ala Ala Thr Ala Cys Ala Ala Gly
50 55 60