

PRNO-028-PCT.ST25.txt
SEQUENCE LISTING

<110> Pronota N.V.

<120> BIOMARKER FOR DIAGNOSIS, PREDICTION AND/OR PROGNOSIS OF ACUTE HEART FAILURE AND USES THEREOF

<130> PRNO-028-PCT

<150> 09173601.7
<151> 2009-10-21

<150> 61/253,658
<151> 2009-10-21

<150> 61/254,537
<151> 2009-10-23

<150> 10156705.5
<151> 2010-03-17

<150> 61/314,789
<151> 2010-03-17

<160> 6

<170> PatentIn version 3.3

<210> 1
<211> 646
<212> PRT
<213> Homo sapiens

<400> 1

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

Asn Gly Arg Pro₁₈₀ Leu Lys Glu Glu Lys₁₈₅ Asn Arg Val His Ile₁₉₀ Gln Ser
 Ser Gln Thr₁₉₅ Val Glu Ser Ser Gly₂₀₀ Leu Tyr Thr Leu Gln₂₀₅ Ser Ile Leu
 Lys Ala₂₁₀ Gln Leu Val Lys Glu₂₁₅ Asp Lys Asp Ala Gln₂₂₀ Phe Tyr Cys Glu
 Leu₂₂₅ Asn Tyr Arg Leu Pro₂₃₀ Ser Gly Asn His Met₂₃₅ Lys Glu Ser Arg Glu₂₄₀
 Val Thr Val Pro Val₂₄₅ Phe Tyr Pro Thr Glu₂₅₀ Lys Val Trp Leu Glu₂₅₅ Val
 Glu Pro Val Gly₂₆₀ Met Leu Lys Glu Gly₂₆₅ Asp Arg Val Glu Ile₂₇₀ Arg Cys
 Leu Ala Asp₂₇₅ Gly Asn Pro Pro Pro₂₈₀ His Phe Ser Ile Ser₂₈₅ Lys Gln Asn
 Pro Ser₂₉₀ Thr Arg Glu Ala Glu₂₉₅ Glu Glu Thr Thr Asn₃₀₀ Asp Asn Gly Val
 Leu Val Leu Glu Pro Ala₃₁₀ Arg Lys Glu His Ser₃₁₅ Gly Arg Tyr Glu Cys₃₂₀
 Gln Gly Leu Asp Leu₃₂₅ Asp Thr Met Ile Ser₃₃₀ Leu Leu Ser Glu Pro₃₃₅ Gln
 Glu Leu Leu Val₃₄₀ Asn Tyr Val Ser Asp₃₄₅ Val Arg Val Ser Pro₃₅₀ Ala Ala
 Pro Glu Arg₃₅₅ Gln Glu Gly Ser Ser₃₆₀ Leu Thr Leu Thr Cys₃₆₅ Glu Ala Glu
 Ser Ser₃₇₀ Gln Asp Leu Glu Phe₃₇₅ Gln Trp Leu Arg Glu₃₈₀ Glu Thr Gly Gln
 Val₃₈₅ Leu Glu Arg Gly Pro₃₉₀ Val Leu Gln Leu His₃₉₅ Asp Leu Lys Arg Glu₄₀₀
 Ala Gly Gly Gly Tyr₄₀₅ Arg Cys Val Ala Ser₄₁₀ Val Pro Ser Ile Pro₄₁₅ Gly
 Leu Asn Arg Thr₄₂₀ Gln Leu Val Asn Val₄₂₅ Ala Ile Phe Gly Pro₄₃₀ Pro Trp
 Met Ala Phe₄₃₅ Lys Glu Arg Lys Val₄₄₀ Trp Val Lys Glu Asn₄₄₅ Met Val Leu
 Asn Leu₄₅₀ Ser Cys Glu Ala Ser₄₅₅ Gly His Pro Arg Pro₄₆₀ Thr Ile Ser Trp
 Asn Val Asn Gly Thr Ala₄₇₀ Ser Glu Gln Asp Gln₄₇₅ Asp Pro Gln Arg Val₄₈₀

Leu Ser Thr Leu Asn Val Leu Val Thr Pro Glu Leu Leu Glu Thr Gly
 485 490 495
 Val Glu Cys Thr Ala Ser Asn Asp Leu Gly Lys Asn Thr Ser Ile Leu
 500 505 510
 Phe Leu Glu Leu Val Asn Leu Thr Thr Leu Thr Pro Asp Ser Asn Thr
 515 520 525
 Thr Thr Gly Leu Ser Thr Ser Thr Ala Ser Pro His Thr Arg Ala Asn
 530 535 540
 Ser Thr Ser Thr Glu Arg Lys Leu Pro Glu Pro Glu Ser Arg Gly Val
 545 550 555 560
 Val Ile Val Ala Val Ile Val Cys Ile Leu Val Leu Ala Val Leu Gly
 565 570 575
 Ala Val Leu Tyr Phe Leu Tyr Lys Lys Gly Lys Leu Pro Cys Arg Arg
 580 585 590
 Ser Gly Lys Gln Glu Ile Thr Leu Pro Pro Ser Arg Lys Ser Glu Leu
 595 600 605
 Val Val Glu Val Lys Ser Asp Lys Leu Pro Glu Glu Met Gly Leu Leu
 610 615 620
 Gln Gly Ser Ser Gly Asp Lys Arg Ala Pro Gly Asp Gln Gly Glu Lys
 625 630 635 640
 Tyr Ile Asp Leu Arg His
 645

<210> 2
 <211> 15
 <212> PRT
 <213> Artificial

<220>
 <223> synthetic peptide

<400> 2

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

<210> 3
 <211> 134
 <212> PRT
 <213> Homo sapiens

<400> 3

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

Leu His Leu Ala Phe Leu Gly Gly Arg Ser His Pro Leu Gly Ser Pro
 20 25 30

Gly Ser Ala Ser Asp Leu Glu Thr Ser Gly Leu Gln Glu Gln Arg Asn
 35 40 45

His Leu Gln Gly Lys Leu Ser Glu Leu Gln Val Glu Gln Thr Ser Leu
50 55 60

Glu Pro Leu Gln Glu Ser Pro Arg Pro Thr Gly Val Trp Lys Ser Arg
65 70 75 80

Glu Val Ala Thr Glu Gly Ile Arg Gly His Arg Lys Met Val Leu Tyr
85 90 95

Thr Leu Arg Ala Pro Arg Ser Pro Lys Met Val Gln Gly Ser Gly Cys
100 105 110

Phe Gly Arg Lys Met Asp Arg Ile Ser Ser Ser Ser Gly Leu Gly Cys
115 120 125

Lys Val Leu Arg Arg His
130

<210> 4
<211> 108
<212> PRT
<213> Homo sapiens

<400> 4

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

Leu Gln Glu Gln Arg Asn His Leu Gln Gly Lys Leu Ser Glu Leu Gln
20 25 30

Val Glu Gln Thr Ser Leu Glu Pro Leu Gln Glu Ser Pro Arg Pro Thr
35 40 45

Gly Val Trp Lys Ser Arg Glu Val Ala Thr Glu Gly Ile Arg Gly His
50 55 60

Arg Lys Met Val Leu Tyr Thr Leu Arg Ala Pro Arg Ser Pro Lys Met
65 70 75 80

Val Gln Gly Ser Gly Cys Phe Gly Arg Lys Met Asp Arg Ile Ser Ser
85 90 95

Ser Ser Gly Leu Gly Cys Lys Val Leu Arg Arg His
100 105

<210> 5
<211> 76
<212> PRT
<213> Homo sapiens

<400> 5

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

Leu Gln Glu Gln Arg Asn His Leu Gln Gly Lys Leu Ser Glu Leu Gln
20 25 30

Val Glu Gln Thr Ser Leu Glu Pro Leu Gln Glu Ser Pro Arg Pro Thr
35 40 45

Gly Val Trp Lys Ser Arg Glu Val Ala Thr Glu Gly Ile Arg Gly His
 50 55 60

Arg Lys Met Val Leu Tyr Thr Leu Arg Ala Pro Arg
 65 70 75

<210> 6
 <211> 32
 <212> PRT
 <213> Homo sapiens
 <400> 6

Ser Pro Lys Met Val Gln Gly Ser Gly Cys Phe Gly Arg Lys Met Asp
 1 5 10 15

Arg Ile Ser Ser Ser Ser Gly Leu Gly Cys Lys Val Leu Arg Arg His
 20 25 30