

735022000740SEQLIST

SEQUENCE LISTING

<110> MONROE, Kate
 LAM, Helen
 AVOGARDRI-CONNORS, Francesca
 LEE, Seung-Joo
 MONTEITH, William
 RHINN, Herve
 ROSENTHAL, Arnon

<120> ANTI-CD33 ANTIBODIES AND METHODS OF USE
 THEREOF

<130> 735022000740

<150> 62/241,701

<151> 2015-06-12

<150> 62/175,152

<151> 2015-10-14

<160> 251

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 356

<212> PRT

<213> Homo sapiens

<400> 1

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

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

<210> 2

<211> 403

<212> PRT

<213> Mus musculus

<400> 2

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

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Val	Gln	Lys	Ala	Thr	Gln	Gly	Arg	Phe	Gln	Leu	Leu	Gly	Asp	Pro	Gln
				85					90					95	
Lys	His	Asp	Cys	Ser	Leu	Phe	Ile	Arg	Asp	Ala	Gln	Lys	Asn	Asp	Thr
			100					105					110		
Gly	Met	Tyr	Phe	Phe	Arg	Val	Val	Arg	Glu	Pro	Phe	Val	Arg	Tyr	Ser
			115					120					125		
Tyr	Lys	Lys	Ser	Gln	Leu	Ser	Leu	His	Val	Thr	Ser	Leu	Ser	Arg	Thr
	130					135						140			
Pro	Asp	Ile	Ile	Ile	Pro	Gly	Thr	Leu	Glu	Ala	Gly	Tyr	Pro	Ser	Asn
145					150					155					160
Leu	Thr	Cys	Ser	Val	Pro	Trp	Ala	Cys	Glu	Gln	Gly	Thr	Pro	Pro	Thr
				165					170						175
Phe	Ser	Trp	Met	Ser	Thr	Ala	Leu	Thr	Ser	Leu	Ser	Ser	Arg	Thr	Thr
			180					185					190		
Asp	Ser	Ser	Val	Leu	Thr	Phe	Thr	Pro	Gln	Pro	Gln	Asp	His	Gly	Thr
			195				200					205			
Lys	Leu	Thr	Cys	Leu	Val	Thr	Phe	Ser	Gly	Ala	Gly	Val	Thr	Val	Glu
	210					215					220				
Arg	Thr	Ile	Gln	Leu	Asn	Val	Thr	Arg	Lys	Ser	Gly	Gln	Met	Arg	Glu
225					230					235					240
Leu	Val	Leu	Val	Ala	Val	Gly	Glu	Ala	Thr	Val	Lys	Leu	Leu	Ile	Leu
				245					250						255
Gly	Leu	Cys	Leu	Val	Phe	Leu	Ile	Val	Met	Phe	Cys	Arg	Arg	Lys	Thr
			260					265					270		
Thr	Lys	Leu	Ser	Val	His	Met	Gly	Cys	Glu	Asn	Pro	Ile	Lys	Arg	Gln
		275				280						285			
Glu	Ala	Ile	Thr	Ser	Tyr	Asn	His	Cys	Leu	Ser	Pro	Thr	Ala	Ser	Asp
	290					295					300				
Ala	Val	Thr	Pro	Gly	Cys	Ser	Ile	His	Arg	Leu	Ile	Ser	Arg	Thr	Pro
305					310					315					320
Arg	Cys	Thr	Ala	Ile	Leu	Arg	Ile	Gln	Asp	Pro	Tyr	Arg	Arg	Thr	His
			325						330					335	
Leu	Arg	Asn	Arg	Ala	Val	Ser	Thr	Leu	Arg	Phe	Pro	Trp	Ile	Ser	Trp
			340					345					350		
Glu	Gly	Ser	Leu	Arg	Ser	Thr	Gln	Arg	Ser	Lys	Cys	Thr	Lys	Leu	Cys
		355				360					365				
Ser	Pro	Val	Lys	Asn	Leu	Cys	Pro	Leu	Trp	Leu	Pro	Val	Asp	Asn	Ser
	370				375					380					
Cys	Ile	Pro	Leu	Ile	Pro	Glu	Trp	Val	Met	Leu	Leu	Cys	Val	Ser	Leu
385					390					395					400
Thr	Leu	Ser													

<210> 3

<211> 334

<212> PRT

<213> Rattus norvegicus

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<220>

<221> VARIANT

<222> 310, 316, 318

<223> Xaa = Any Amino Acid

<400> 3

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Met Leu Trp Ile Val Leu Leu Leu Leu Leu Cys Thr Asp Ser Leu Val
 1          5          10          15
Gln Asp Leu Glu Phe Gln Leu Val Ala Pro Lys Ser Val Thr Val Glu
          20          25          30
Glu Ala Leu Cys Val His Val Pro Cys Ser Val Ser Tyr Pro Ser Ile
          35          40          45
Arg Pro Thr Phe Gly Pro Val Thr Gly Tyr Trp Leu Leu Lys Gly Thr
          50          55          60
Ser Leu His Glu Asp Ser Pro Val Ala Thr Asn Asp Pro Arg Gln Leu
65          70          75          80
Val Gln Lys Ala Thr Gln Gly Arg Phe Gln Leu Leu Gly Asp Pro Gln
          85          90          95
Lys His Asp Cys Ser Leu Leu Ile Arg Asp Ala Gln Lys Asn Asp Thr
          100          105          110
Gly Val Tyr Phe Phe Arg Val Val Arg Glu Pro Phe Val Arg Tyr Ser
          115          120          125
Tyr Arg Ala Asn Gln Leu Leu Leu His Val Thr Pro Leu Ser Arg Thr
          130          135          140
Pro Asp Ile Ile Ile Pro Glu Thr Leu Arg Ala Gly His Pro Ser Asn
145          150          155          160
Leu Ser Cys Ser Val Pro Trp Ala Cys Glu Gln Gly Thr Pro Pro Thr
          165          170          175
Phe Ser Trp Met Ser Asp Ala Leu Thr Ser Leu Ser Ser Arg Thr Thr
          180          185          190
Asn Ser Ser Val Leu Thr Leu Thr Pro Arg Pro Gln Asp His Gly Thr
          195          200          205
Lys Leu Thr Cys Leu Val Thr Phe Ser Gly Ala Gly Val Thr Val Glu
          210          215          220
Arg Thr Ile Arg Leu Asn Val Thr Trp Lys Ser Asp Gln Met Arg Gln
225          230          235          240
Val Val Leu Val Ala Val Gly Glu Ala Ala Val Lys Leu Leu Ile Leu
          245          250          255
Gly Leu Cys Leu Thr Leu Leu Ser Val Val Ile Cys Arg Arg Lys Ala
          260          265          270
Thr Lys Leu Ser Val His Met Asn Cys Glu Asn Pro Thr Gln Ala His
          275          280          285
Pro Gln Asp Ser Lys Val His Ser His Ala Glu Asn Ser Arg Pro Leu
          290          295          300
Arg Lys Asp Leu Pro Xaa Glu Gln Ser Ser Ile Xaa Thr Xaa Ile Pro
305          310          315          320
Leu Asn Phe Met Gly Ala Lys Ser Gln Glu Tyr Pro Glu Ile

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325

330

<210> 4

<211> 356

<212> PRT

<213> Pan troglodytes

<400> 4

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Met Pro Leu Leu Leu Leu Leu Pro Leu Leu Trp Ala Gly Ala Met Asp
 1           5           10           15
Pro Lys Ile Arg Leu Gln Val Gln Glu Ser Val Thr Val Gln Glu Gly
 20           25           30
Leu Cys Val Leu Val Pro Cys Thr Phe Phe His Pro Ile Pro Tyr Tyr
 35           40           45
Asp Lys Asn Ser Pro Val His Gly Tyr Trp Phe Arg Glu Gly Pro Ile
 50           55           60
Val Ser Gly Asp Ser Pro Val Ala Thr Asn Lys Pro Asp Gln Glu Val
 65           70           75           80
Gln Glu Glu Thr Gln Gly Arg Phe Arg Leu Leu Gly Asp Leu Ser Arg
 85           90           95
Asn Asn Cys Ser Leu Ser Ile Val Asp Ala Arg Arg Arg Asp Asn Gly
100          105          110
Ser Tyr Phe Phe Arg Met Glu Arg Gly Ser Thr Lys Tyr Ser Tyr Lys
115          120          125
Ser Pro Gln Leu Ser Val His Val Thr Asp Leu Thr Pro Lys Ile Leu
130          135          140
Ile Pro Gly Ala Leu Asp Pro Gly His Ser Lys Asn Leu Thr Cys Ser
145          150          155          160
Val Ser Trp Ala Cys Glu Gln Gly Thr Pro Pro Ile Phe Ser Trp Leu
165          170          175
Ser Ala Ala Pro Thr Ser Leu Gly Pro Arg Thr Thr His Ser Ser Val
180          185          190
Leu Ile Ile Thr Pro Arg Pro Gln Asp His Gly Thr Asn Leu Thr Cys
195          200          205
Gln Val Lys Phe Ala Gly Ala Gly Val Thr Thr Glu Arg Thr Ile Gln
210          215          220
Leu Asn Val Thr Tyr Val Pro Gln Asn Pro Thr Thr Gly Ile Phe Pro
225          230          235          240
Gly Asp Gly Ser Gly Lys Gln Glu Thr Arg Ala Gly Val Val His Gly
245          250          255
Ala Val Gly Gly Ala Gly Ile Thr Ala Leu Leu Ala Leu Cys Leu Cys
260          265          270
Leu Ile Phe Phe Ile Val Lys Thr Arg Lys Ala Ala Arg Thr Ala Val
275          280          285
Gly Arg Asn Asp Thr His Pro Thr Thr Gly Pro Asp Lys His Gln Lys
290          295          300
Lys Ser Lys Leu His Gly Pro Thr Glu Thr Ser Ser Tyr Ser Gly Ala

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305		310		315		320									
Ala	Pro	Thr	Val	Glu	Met	Asp	Glu	Glu	Leu	His	Tyr	Ala	Ser	Leu	Asn
		325						330						335	
Phe	His	Gly	Met	Asn	Pro	Ser	Lys	Asp	Thr	Ser	Thr	Glu	Tyr	Ser	Glu
		340						345					350		
Val	Arg	Thr	Gln												
		355													

<210> 5
 <211> 228
 <212> PRT
 <213> Macaca mulatta

<400> 5

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

<210> 6

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<211> 378

<212> PRT

<213> *Canis familiaris*

<400> 6

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Met Leu Leu Leu Leu Leu Pro Ile Leu Trp Ala Val Glu Trp Ala Gln
 1           5           10           15
Gly Lys Val Lys Leu Gly Ala Ser Ala Asp Ala Gly Val Pro Arg Ser
 20           25           30
Leu Ala Gln Asp Pro Ile Tyr Trp Leu Gln Ile Gln Glu Ser Leu Thr
 35           40           45
Val Gln Glu Gly Leu Cys Ile Ser Val Pro Cys Tyr Phe Ser Tyr Pro
 50           55           60
Met Glu Tyr Trp Ile Lys Thr Tyr Ser Ala Leu Gly Tyr Trp Phe Arg
65           70           75           80
Asn Gly Thr Asn Val His Trp Gly Ala Pro Val Ala Thr Asn Asn Pro
 85           90           95
Asp Arg Lys Val Gln Glu Glu Thr Gln Gly Gln Phe Phe Leu Leu Gly
100           105           110
Asp Pro Gln Ala Asn Asn Cys Ser Leu Glu Ile Arg Asp Ala Gln Arg
115           120           125
Arg Asp Ser Gly Thr Tyr Phe Phe Arg Val Glu Arg Gly Pro Tyr Leu
130           135           140
Lys Tyr Ser Tyr Leu Gln Asn Gln Leu Ser Val His Val Thr Ala Leu
145           150           155           160
Thr His Thr Pro Asp Ile Leu Ile Pro Gly Thr Leu Glu Ser Gly His
165           170           175
Pro Arg Asn Leu Thr Cys Ser Val Pro Trp Ala Cys Glu Gln Gly Ile
180           185           190
Pro Pro Ile Phe Ser Trp Met Ser Ala Ala Leu Thr Ser Leu Gly Pro
195           200           205
Arg Thr His Leu Ser Ser Val Leu Thr Leu Thr Pro Arg Pro Gln Asp
210           215           220
His Gly Thr Asn Leu Thr Cys Gln Val Gln Phe Pro Ala Val Gly Val
225           230           235           240
Met Val Glu Arg Thr Ile Gln Leu Asn Val Thr Cys Thr Thr Gln Asn
245           250           255
Pro Thr Asn Gly Val Cys Leu Glu His Ser Thr Gly Lys Pro Gly Thr
260           265           270
Arg Ser Gly Val Thr Val Gly Ala Ile Gly Gly Ala Gly Val Thr Met
275           280           285
Leu Leu Thr Leu Cys Leu Cys Leu Ile Phe Phe Arg Val Lys Thr Cys
290           295           300
Arg Lys Thr Ala Ser Arg Thr Ala Val Gly Met Asp Asn Ile His Pro
305           310           315           320
Val Val Glu Pro Ala Pro Leu Asp Tyr Gln Glu Ser Asp Leu Pro Asp
325           330           335
Asp Pro Thr Ser Ser Ala Glu Val Pro Ser Thr Ser Glu Met Glu Gln

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340 345 350
 Glu Leu Tyr Tyr Ala Ser Ile Ser Phe His Arg Arg Thr Glu Ser Thr
 355 360 365
 Cys Ala Glu Tyr Ser Glu Ile Arg Thr Gln
 370 375

<210> 7

<211> 366

<212> PRT

<213> Bos taurus

<400> 7

Met Leu Pro Leu Leu Leu Pro Leu Leu Leu Pro Leu Leu Trp Ala Ala
 1 5 10 15
 Thr Leu Ala Gln Asp Pro Asn Tyr Trp Leu Lys Ala Pro Trp Ser Val
 20 25 30
 Ser Val Gln Glu Gly Leu Cys Val Arg Val Pro Cys Ser Val Tyr Tyr
 35 40 45
 Pro Ser Asp Phe Arg Ser Gly Ser Thr Pro Val His Gly Phe Trp Phe
 50 55 60
 Arg Glu Gly Ala Glu Val Leu Lys Asp Ala Pro Val Ala Thr Asn Lys
 65 70 75 80
 Leu Asp Arg Glu Ala Gln Lys Glu Thr Gln Gly Arg Phe His Leu Leu
 85 90 95
 Gly Asp Pro Arg Asp Asn Asn Cys Ser Leu Glu Ile Arg Asp Ala Arg
 100 105 110
 Lys Ser Asp Arg Gly Ser Tyr Phe Phe Arg Met Glu Lys Gly Ser Met
 115 120 125
 Lys Trp Ser Tyr Leu Ser Glu Leu Phe Phe Leu Asn Val Thr Ala Phe
 130 135 140
 Thr His Gln Pro His Leu Leu Ser Pro Gly Asp Leu Glu Pro Gly His
 145 150 155 160
 Pro Gly Asn Met Thr Cys Ser Val Pro Trp Ala Cys Glu Arg Ala Met
 165 170 175
 Pro Pro Ile Phe Ser Trp Thr Ser Ala Ala Pro Ser Ser Leu Gly Pro
 180 185 190
 Arg Thr Pro Phe Ser Ser Val Leu Thr Leu Thr Pro Arg Pro Gln Asp
 195 200 205
 His Gly Thr Arg Leu Thr Cys Gln Val Lys Phe Pro Arg Ser Gly Val
 210 215 220
 Met Val Glu Arg Thr Ile Leu Leu Asn Val Thr Tyr Ala Ser Arg Asn
 225 230 235 240
 Pro Gly Asn Ile Cys Thr Gly Asp Gly Thr Gly Glu Ser Gly Thr Gly
 245 250 255
 Ala Gly Val Thr Glu Gly Ala Ile Ala Gly Ala Gly Val Thr Met Leu
 260 265 270
 Leu Val Leu Cys Phe Gly Leu Ile Phe Phe Val Val Lys Ile Tyr Arg

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275	280	285
Lys Lys Val Ala Lys Thr Ala Val Asp Met Glu Asp Ile Tyr Ser Ala		
290	295	300
Ala Glu Pro Ala Ser Leu Asp His Gln Gln Glu Ser Lys Ser Glu Glu		
305	310	315
Ser Ser Asp Pro Thr Asn Tyr Ala Gly Thr Thr Pro Ser Leu Glu Leu		
325	330	335
Glu Gln Glu Leu His Tyr Ser Ser Ile Ile Phe Arg Gly Glu Lys Pro		
340	345	350
Gln Glu Ser Pro His Ser Glu Tyr Ala Glu Ile Arg Ile Lys		
355	360	365

<210> 8

<211> 380

<212> PRT

<213> Danio rerio

<400> 8

Met Leu Gln Thr Leu Leu Phe Ile Leu Ala Val Asn Lys Met Thr Asn	
1	5
Cys Glu Asp Ser Gln Pro Gly Gln Asp Phe Phe Ile Ser Val Lys Glu	
20	25
Asn Val Thr Gly Glu Glu Gly Leu Cys Ile Arg Glu Gln Cys Ala Phe	
35	40
Arg Val Pro Gln Asn Leu Ser Glu Pro Ile Lys Lys Ser Trp Phe Lys	
50	55
Glu Asp Ser Glu Asn Ala Thr Ala Lys Val Gln Phe Tyr His Ser Lys	
65	70
Ala Glu Ser Pro Ile Trp Lys Glu Cys Ser Phe Met Leu Asn Pro Leu	
85	90
Val Leu Gly Glu Ser Asp Gly Glu Tyr Arg Leu Lys Leu Glu Trp Gly	
100	105
Gln Gly Asn Val His Ile Phe Pro Gln Thr Val Lys Ile Thr Val Lys	
115	120
Glu Leu Thr Gln Lys Pro Lys Ile Asn Val Pro Arg Leu Thr Ile Gly	
130	135
Gln Lys Ala Glu Ile Ser Cys Ile Phe Thr Ile Lys Cys Leu Val Pro	
145	150
Lys Leu Arg Phe Ala Trp Thr Gly Ile Glu Gly Lys Glu Ser Thr Leu	
165	170
Gly Pro Arg Gly Val Pro Gly Trp Asn Glu Phe Thr Ser Ile Phe Arg	
180	185
Phe His Pro Lys Pro Lys Asp His Asn Thr Lys Leu Thr Cys Lys Ile	
195	200
Ile Val Gln Asp Arg Ile Gln Thr Glu Ala Ala Val Thr Leu Glu Val	
210	215
Arg Tyr Ala Pro Glu Ile Leu Asn Ser Ser Arg Cys Val Met Trp Gly	

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

<210> 9
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 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 9
 Lys Ala Ser Gln Asp Ile Asn Lys Tyr Leu Ser
 1 5 10

<210> 10
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 10
 Arg Ala Ser Gln Ser Val Ser Thr Ser Thr Tyr Ser Tyr Met His
 1 5 10 15

<210> 11

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<211> 15
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 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 11
 Arg Ala Ser Lys Ser Val Ser Thr Ser Gly His Ser Tyr Met His
 1 5 10 15

<210> 12
 <211> 7
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<400> 12
 Arg Ala Asn Arg Leu Val Asp
 1 5

<210> 13
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<400> 13
 Tyr Asn Leu Glu Ser
 1 5

<210> 14
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<220>
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<400> 14
 Leu Ala Ser Ser Leu Glu Ser

1 5

<210> 15
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<400> 15
Leu Gln Tyr Asp Glu Phe Pro Leu Thr
1 5

<210> 16
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<212> PRT
<213> Artificial Sequence

<220>
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<400> 16
Gln Arg Ser Trp Glu Ile Pro Leu Thr
1 5

<210> 17
<211> 9
<212> PRT
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<400> 17
Gln His Ser Arg Glu Leu Pro Leu Thr
1 5

<210> 18
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<220>

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<400> 18

Tyr Thr Phe Thr Ser Tyr Asp Ile Asn
1 5

<210> 19

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 19

Tyr Thr Phe Thr Asp Tyr Asn Leu His
1 5

<210> 20

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<212> PRT

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<220>

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<400> 20

Tyr Ser Phe Thr Gly Tyr Tyr Met His
1 5

<210> 21

<211> 9

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<400> 21

Phe Thr Phe Ser Asn Tyr Cys Met Asn
1 5

<210> 22

<211> 14

735022000740SEQLIST

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 22

Ile	Gly	Trp	Ile	Phe	Pro	Gly	Asp	Gly	Ser	Thr	Lys	Tyr	Asn
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<210> 23

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 23

Ile	Gly	Phe	Ile	Tyr	Pro	Ser	Asn	Gly	Ile	Thr	Gly	Tyr	Asn
1				5					10				

<210> 24

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

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<400> 24

Ile	Gly	Glu	Ile	Asn	Pro	Ser	Thr	Gly	Gly	Thr	Ser	Tyr	Asn
1				5					10				

<210> 25

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 25

Val	Ala	Glu	Ile	Arg	Leu	Lys	Ser	Asn	Asn	Tyr	Val	Thr
1				5					10			

735022000740SEQLIST

<210> 26
 <211> 8
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 26
 Arg Tyr His Tyr Ala Met Asp Ser
 1 5

<210> 27
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 27
 Ala Arg Ser Thr Val Asp Tyr Phe Asp Tyr
 1 5 10

<210> 28
 <211> 13
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 28
 Thr Arg Gly His Tyr Gly Ser Tyr Leu Thr Phe Asp Tyr
 1 5 10

<210> 29
 <211> 11
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

735022000740SEQLIST

<400> 29

Thr Arg Asp Gly Tyr Tyr Val Pro Phe Ala Tyr
1 5 10

<210> 30

<211> 108

<212> PRT

<213> Mus musculus

<400> 30

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

<210> 31

<211> 107

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 31

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

735022000740SEQLIST

85 90 95
 Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
 100 105

<210> 32
 <211> 107
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 32
 Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
 1 5 10 15
 Asp Arg Val Thr Ile Thr Cys Lys Ala Ser Gln Asp Ile Asn Lys Tyr
 20 25 30
 Leu Ser Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
 35 40 45
 Tyr Arg Ala Asn Arg Leu Val Asp Gly Val Pro Ser Arg Phe Ser Gly
 50 55 60
 Ser Gly Ser Gly Thr Asp Phe Thr Phe Thr Ile Ser Ser Leu Gln Pro
 65 70 75 80
 Glu Asp Ile Ala Thr Tyr Tyr Cys Leu Gln Tyr Asp Glu Phe Pro Leu
 85 90 95
 Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
 100 105

<210> 33
 <211> 107
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 33
 Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
 1 5 10 15
 Asp Arg Val Thr Ile Thr Cys Lys Ala Ser Gln Asp Ile Asn Lys Tyr
 20 25 30
 Leu Ser Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
 35 40 45
 Tyr Arg Ala Asn Arg Leu Val Asp Gly Val Pro Ser Arg Phe Ser Gly
 50 55 60
 Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro

735022000740SEQLIST

65		70		75		80									
Glu	Asp	Phe	Ala	Thr	Tyr	Tyr	Cys	Leu	Gln	Tyr	Asp	Glu	Phe	Pro	Leu
		85		90		95									
Thr	Phe	Gly	Gln	Gly	Thr	Lys	Val	Glu	Ile	Lys					
		100		105											

<210> 34
 <211> 107
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 34
Glu Ile Val Leu Thr Gln Ser Pro Ala Thr Leu Ser Leu Ser Pro Gly
1 5 10 15
Glu Arg Ala Thr Leu Ser Cys Lys Ala Ser Gln Asp Ile Asn Lys Tyr
20 25 30
Leu Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu Ile
35 40 45
Tyr Arg Ala Asn Arg Leu Val Asp Gly Ile Pro Ala Arg Phe Ser Gly
50 55 60
Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Glu Pro
65 70 75 80
Glu Asp Phe Ala Val Tyr Tyr Cys Leu Gln Tyr Asp Glu Phe Pro Leu
85 90 95
Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
100 105

<210> 35
 <211> 112
 <212> PRT
 <213> Mus musculus

<400> 35
Ser Thr Gly Asp Ile Val Leu Thr Gln Ser Pro Ala Ser Leu Ala Val
1 5 10 15
Ser Leu Gly Gln Arg Ala Thr Met Ser Cys Arg Ala Ser Gln Ser Val
20 25 30
Ser Thr Ser Thr Tyr Ser Tyr Met His Trp Tyr Gln Gln Lys Pro Gly
35 40 45
Gln Pro Pro Lys Leu Leu Ile Lys Tyr Asn Leu Glu Ser Gly Val Pro
50 55 60
Ala Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Asn Ile
65 70 75 80

735022000740SEQLIST

His Pro Val Glu Glu Glu Asp Thr Ala Thr Tyr Tyr Cys Gln Arg Ser
85 90 95
Trp Glu Ile Pro Leu Thr Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys
100 105 110

<210> 36

<211> 109

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 36

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

<210> 37

<211> 109

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 37

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

735022000740SEQLIST

Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu
65 70 75 80
Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Arg Ser Trp Glu Ile
85 90 95
Pro Leu Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
100 105

<210> 38

<211> 109

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 38

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

<210> 39

<211> 109

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 39

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

735022000740SEQLIST

Lys Leu Leu Ile Tyr Tyr Asn Leu Glu Ser Gly Val Pro Ser Arg Phe
 50 55 60
 Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu
 65 70 75 80
 Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Arg Ser Trp Glu Ile
 85 90 95
 Pro Leu Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
 100 105

<210> 40
 <211> 109
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 40
 Asp Ile Val Met Thr Gln Ser Pro Leu Ser Leu Pro Val Thr Pro Gly
 1 5 10 15
 Glu Pro Ala Ser Ile Ser Cys Arg Ala Ser Gln Ser Val Ser Thr Ser
 20 25 30
 Thr Tyr Ser Tyr Met His Trp Tyr Leu Gln Lys Pro Gly Gln Ser Pro
 35 40 45
 Gln Leu Leu Ile Tyr Tyr Asn Leu Glu Ser Gly Val Pro Asp Arg Phe
 50 55 60
 Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Lys Ile Ser Arg Val
 65 70 75 80
 Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Gln Arg Ser Trp Glu Ile
 85 90 95
 Pro Leu Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
 100 105

<210> 41
 <211> 109
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 41
 Asp Val Val Met Thr Gln Ser Pro Leu Ser Leu Pro Val Thr Leu Gly
 1 5 10 15
 Gln Pro Ala Ser Ile Ser Cys Arg Ala Ser Gln Ser Val Ser Thr Ser
 20 25 30

735022000740SEQLIST

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

<210> 42

<211> 109

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 42

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

<210> 43

<211> 114

<212> PRT

<213> Mus musculus

<400> 43

Ser Thr Gly Asp Ile Val Leu Thr Gln Ser Pro Ala Ser Leu Ala Val
1 5 10 15
Ser Leu Gly Gln Arg Ala Thr Ile Ser Cys Arg Ala Ser Lys Ser Val
20 25 30
Ser Thr Ser Gly His Ser Tyr Met His Trp Tyr Gln Gln Lys Pro Gly

735022000740SEQLIST

	35					40				45					
Gln	Pro	Pro	Lys	Leu	Leu	Ile	Tyr	Leu	Ala	Ser	Ser	Leu	Glu	Ser	Gly
	50					55					60				
Val	Pro	Ala	Arg	Phe	Ser	Gly	Ser	Gly	Ser	Gly	Thr	Asp	Phe	Thr	Leu
65					70					75					80
Asn	Ile	His	Pro	Val	Glu	Glu	Glu	Asp	Ala	Ala	Thr	Tyr	Tyr	Cys	Gln
			85					90						95	
His	Ser	Arg	Glu	Leu	Pro	Leu	Thr	Phe	Gly	Ala	Gly	Thr	Lys	Leu	Glu
			100					105					110		
Leu	Lys														

<210> 44

<211> 111

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 44

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

<210> 45

<211> 111

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 45

Asp	Ile	Gln	Met	Thr	Gln	Ser	Pro	Ser	Ser	Leu	Ser	Ala	Ser	Val	Gly
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

735022000740SEQLIST

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

<210> 46

<211> 111

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 46

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

<210> 47

<211> 111

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

735022000740SEQLIST

<400> 47

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

<210> 48

<211> 111

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 48

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

<210> 49

<211> 115

<212> PRT

<213> Mus musculus

<400> 49

735022000740SEQLIST

Gln	Val	Gln	Leu	Gln	Gln	Ser	Gly	Ala	Glu	Leu	Val	Lys	Pro	Gly	Ala
1				5					10					15	
Ser	Val	Lys	Leu	Ser	Cys	Lys	Ala	Ser	Gly	Tyr	Thr	Phe	Thr	Ser	Tyr
			20					25					30		
Asp	Ile	Asn	Trp	Val	Arg	Gln	Arg	Pro	Glu	Gln	Gly	Leu	Glu	Trp	Ile
		35					40					45			
Gly	Trp	Ile	Phe	Pro	Gly	Asp	Gly	Ser	Thr	Lys	Tyr	Asn	Glu	Lys	Phe
	50					55					60				
Lys	Gly	Lys	Ala	Thr	Leu	Thr	Thr	Asp	Lys	Ser	Ser	Asn	Thr	Thr	Tyr
65					70				75						80
Met	Gln	Leu	Ser	Arg	Leu	Thr	Ser	Glu	Asp	Ser	Ala	Val	Tyr	Phe	Cys
				85					90					95	
Arg	Tyr	His	Tyr	Ala	Met	Asp	Ser	Trp	Gly	Gln	Gly	Thr	Ser	Val	Thr
			100					105						110	
Val	Ser	Ser													
			115												

<210> 50

<211> 115

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 50

Gln	Val	Gln	Leu	Val	Gln	Ser	Gly	Ala	Glu	Val	Lys	Lys	Pro	Gly	Ala
1				5					10					15	
Ser	Val	Lys	Val	Ser	Cys	Lys	Ala	Ser	Gly	Tyr	Thr	Phe	Thr	Ser	Tyr
			20					25					30		
Asp	Ile	Asn	Trp	Val	Arg	Gln	Ala	Pro	Gly	Gln	Gly	Leu	Glu	Trp	Ile
		35					40					45			
Gly	Trp	Ile	Phe	Pro	Gly	Asp	Gly	Ser	Thr	Lys	Tyr	Asn	Gln	Lys	Phe
	50					55					60				
Gln	Gly	Arg	Val	Thr	Met	Thr	Arg	Asp	Thr	Ser	Thr	Ser	Thr	Val	Tyr
65					70				75						80
Met	Glu	Leu	Ser	Ser	Leu	Arg	Ser	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
				85					90					95	
Arg	Tyr	His	Tyr	Ala	Met	Asp	Ser	Trp	Gly	Gln	Gly	Thr	Leu	Val	Thr
			100					105						110	
Val	Ser	Ser													
			115												

<210> 51

<211> 115

<212> PRT

735022000740SEQLIST

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 51

Gln	Val	Gln	Leu	Val	Gln	Ser	Gly	Ala	Glu	Val	Lys	Lys	Pro	Gly	Ser
1				5					10					15	
Ser	Val	Lys	Val	Ser	Cys	Lys	Ala	Ser	Gly	Tyr	Thr	Phe	Thr	Ser	Tyr
			20					25					30		
Asp	Ile	Asn	Trp	Val	Arg	Gln	Ala	Pro	Gly	Gln	Gly	Leu	Glu	Trp	Ile
		35					40					45			
Gly	Trp	Ile	Phe	Pro	Gly	Asp	Gly	Ser	Thr	Lys	Tyr	Asn	Gln	Lys	Phe
	50					55					60				
Gln	Gly	Arg	Val	Thr	Ile	Thr	Ala	Asp	Glu	Ser	Thr	Ser	Thr	Ala	Tyr
65					70				75						80
Met	Glu	Leu	Ser	Ser	Leu	Arg	Ser	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
				85					90					95	
Arg	Tyr	His	Tyr	Ala	Met	Asp	Ser	Trp	Gly	Gln	Gly	Thr	Leu	Val	Thr
			100					105					110		
Val	Ser	Ser													
															115

<210> 52

<211> 115

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 52

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

735022000740SEQLIST

115

<210> 53
 <211> 115
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 53
 Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Glu
 1 5 10 15
 Ser Leu Lys Ile Ser Cys Lys Gly Ser Gly Tyr Thr Phe Thr Ser Tyr
 20 25 30
 Asp Ile Asn Trp Val Arg Gln Met Pro Gly Lys Gly Leu Glu Trp Ile
 35 40 45
 Gly Trp Ile Phe Pro Gly Asp Gly Ser Thr Lys Tyr Asn Pro Ser Phe
 50 55 60
 Gln Gly Gln Val Thr Ile Ser Ala Asp Lys Ser Ile Ser Thr Ala Tyr
 65 70 75 80
 Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys
 85 90 95
 Arg Tyr His Tyr Ala Met Asp Ser Trp Gly Gln Gly Thr Leu Val Thr
 100 105 110
 Val Ser Ser
 115

<210> 54
 <211> 109
 <212> PRT
 <213> Mus musculus

<400> 54
 Pro Glu Leu Val Lys Pro Gly Ala Ser Val Lys Ile Ser Cys Lys Ala
 1 5 10 15
 Ser Gly Tyr Thr Phe Thr Asp Tyr Asn Leu His Trp Val Lys Leu Ser
 20 25 30
 His Gly Lys Ser Leu Glu Trp Ile Gly Phe Ile Tyr Pro Ser Asn Gly
 35 40 45
 Ile Thr Gly Tyr Asn Gln Lys Phe Lys Asn Lys Ala Thr Leu Thr Val
 50 55 60
 Asp Asn Ser Ser Ser Thr Ala Tyr Met Glu Leu Arg Ser Leu Thr Ser
 65 70 75 80
 Glu Asp Ser Ala Val Tyr Tyr Cys Ala Arg Ser Thr Val Asp Tyr Phe
 85 90 95

735022000740SEQLIST

Asp Tyr Trp Gly Gln Gly Thr Thr Leu Thr Val Ser Ser
100 105

<210> 55
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 55
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15
Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asp Tyr
20 25 30
Asn Leu His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Ile
35 40 45
Gly Phe Ile Tyr Pro Ser Asn Gly Ile Thr Gly Tyr Asn Gln Lys Phe
50 55 60
Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr
65 70 75 80
Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95
Ala Arg Ser Thr Val Asp Tyr Phe Asp Tyr Trp Gly Gln Gly Thr Leu
100 105 110
Val Thr Val Ser Ser
115

<210> 56
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 56
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
1 5 10 15
Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asp Tyr
20 25 30
Asn Leu His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Ile
35 40 45
Gly Phe Ile Tyr Pro Ser Asn Gly Ile Thr Gly Tyr Asn Gln Lys Phe
50 55 60

735022000740SEQLIST

Gln	Gly	Arg	Val	Thr	Ile	Thr	Ala	Asp	Glu	Ser	Thr	Ser	Thr	Ala	Tyr
65					70					75					80
Met	Glu	Leu	Ser	Ser	Leu	Arg	Ser	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
				85					90					95	
Ala	Arg	Ser	Thr	Val	Asp	Tyr	Phe	Asp	Tyr	Trp	Gly	Gln	Gly	Thr	Leu
			100					105					110		
Val	Thr	Val	Ser	Ser											
			115												

<210> 57
 <211> 117
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

Glu	Val	Gln	Leu	Leu	Glu	Ser	Gly	Gly	Gly	Leu	Val	Gln	Pro	Gly	Gly
1				5					10					15	
Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Tyr	Thr	Phe	Thr	Asp	Tyr
			20					25					30		
Asn	Leu	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Ile
		35				40						45			
Gly	Phe	Ile	Tyr	Pro	Ser	Asn	Gly	Ile	Thr	Gly	Tyr	Asn	Asp	Ser	Val
	50					55				60					
Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ser	Lys	Asn	Thr	Leu	Tyr
65					70				75					80	
Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
			85					90					95		
Ala	Arg	Ser	Thr	Val	Asp	Tyr	Phe	Asp	Tyr	Trp	Gly	Gln	Gly	Thr	Leu
			100					105					110		
Val	Thr	Val	Ser	Ser											
			115												

<210> 58
 <211> 117
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

Glu	Val	Gln	Leu	Val	Gln	Ser	Gly	Ala	Glu	Val	Lys	Lys	Pro	Gly	Glu
1				5					10					15	

735022000740SEQLIST

Ser Leu Lys Ile Ser Cys Lys Gly Ser Gly Tyr Thr Phe Thr Asp Tyr
 20 25 30
 Asn Leu His Trp Val Arg Gln Met Pro Gly Lys Gly Leu Glu Trp Ile
 35 40 45
 Gly Phe Ile Tyr Pro Ser Asn Gly Ile Thr Gly Tyr Asn Pro Ser Phe
 50 55 60
 Gln Gly Gln Val Thr Ile Ser Ala Asp Lys Ser Ile Ser Thr Ala Tyr
 65 70 75 80
 Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys
 85 90 95
 Ala Arg Ser Thr Val Asp Tyr Phe Asp Tyr Trp Gly Gln Gly Thr Leu
 100 105 110
 Val Thr Val Ser Ser
 115

<210> 59
 <211> 120
 <212> PRT
 <213> Mus musculus

<400> 59
 Glu Val Lys Leu Gln Gln Ser Gly Pro Glu Leu Val Lys Pro Gly Ala
 1 5 10 15
 Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Ser Phe Thr Gly Tyr
 20 25 30
 Tyr Met His Trp Val Lys Gln Ser Ser Glu Lys Ser Leu Glu Trp Ile
 35 40 45
 Gly Glu Ile Asn Pro Ser Thr Gly Gly Thr Ser Tyr Asn Gln Lys Phe
 50 55 60
 Lys Gly Lys Ala Thr Leu Thr Val Asp Thr Ser Ser Ser Thr Ala Tyr
 65 70 75 80
 Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Phe Cys
 85 90 95
 Thr Arg Gly His Tyr Gly Ser Tyr Leu Thr Phe Asp Tyr Trp Gly His
 100 105 110
 Gly Thr Thr Leu Thr Val Ser Ser
 115 120

<210> 60
 <211> 56
 <212> PRT
 <213> Mus musculus

<400> 60
 Ser Gly Lys Ala Thr Leu Thr Val Asp Thr Ser Ser Ser Thr Ala Tyr
 1 5 10 15

735022000740SEQLIST

Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Phe Cys
 20 25 30
 Thr Arg Gly His Tyr Gly Ser Tyr Leu Thr Phe Asp Tyr Trp Gly His
 35 40 45
 Gly Thr Thr Leu Thr Val Ser Ser
 50 55

<210> 61
 <211> 120
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 61
 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15
 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Thr Gly Tyr
 20 25 30
 Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Ile
 35 40 45
 Gly Glu Ile Asn Pro Ser Thr Gly Gly Thr Ser Tyr Asn Gln Lys Phe
 50 55 60
 Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr
 65 70 75 80
 Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Thr Arg Gly His Tyr Gly Ser Tyr Leu Thr Phe Asp Tyr Trp Gly Gln
 100 105 110
 Gly Thr Leu Val Thr Val Ser Ser
 115 120

<210> 62
 <211> 120
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 62
 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
 1 5 10 15
 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Thr Gly Tyr
 20 25 30

735022000740SEQLIST

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Ile
 35 40 45
 Gly Glu Ile Asn Pro Ser Thr Gly Gly Thr Ser Tyr Asn Gln Lys Phe
 50 55 60
 Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Ser Thr Ser Thr Ala Tyr
 65 70 75 80
 Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Thr Arg Gly His Tyr Gly Ser Tyr Leu Thr Phe Asp Tyr Trp Gly Gln
 100 105 110
 Gly Thr Leu Val Thr Val Ser Ser
 115 120

<210> 63

<211> 120

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 63

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

<210> 64

<211> 120

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

735022000740SEQLIST

<400> 64

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

<210> 65

<211> 120

<212> PRT

<213> Mus musculus

<400> 65

Glu	Val	Lys	Leu	Glu	Glu	Ser	Gly	Gly	Gly	Leu	Val	Gln	Pro	Gly	Gly
1				5					10					15	
Ser	Met	Lys	Leu	Ser	Cys	Val	Gly	Ser	Gly	Phe	Thr	Phe	Ser	Asn	Tyr
			20					25					30		
Cys	Met	Asn	Trp	Val	Arg	Gln	Ser	Pro	Glu	Lys	Gly	Leu	Glu	Trp	Val
		35					40					45			
Ala	Glu	Ile	Arg	Leu	Lys	Ser	Asn	Asn	Tyr	Val	Thr	Asn	Tyr	Val	Glu
	50					55					60				
Ser	Val	Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asp	Ser	Lys	Ser	Arg
65					70				75						80
Val	Tyr	Leu	Gln	Met	Asn	Asn	Leu	Arg	Gly	Glu	Asp	Thr	Gly	Phe	Tyr
				85					90					95	
Tyr	Cys	Thr	Arg	Asp	Gly	Tyr	Tyr	Val	Pro	Phe	Ala	Tyr	Trp	Gly	Gln
			100					105						110	
Gly	Thr	Leu	Val	Thr	Val	Ser	Ala								
		115					120								

<210> 66

<211> 120

<212> PRT

<213> Artificial Sequence

735022000740SEQLIST

<220>

<223> Synthetic construct

<400> 66

Glu	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Leu	Val	Lys	Pro	Gly	Gly
1				5				10						15	
Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Phe	Ser	Asn	Tyr
		20					25						30		
Cys	Met	Asn	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Val
		35				40						45			
Ala	Glu	Ile	Arg	Leu	Lys	Ser	Asn	Asn	Tyr	Val	Thr	Asn	Tyr	Val	Ala
	50				55					60					
Pro	Val	Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asp	Ser	Lys	Asn	Thr
65				70					75					80	
Leu	Tyr	Leu	Gln	Met	Asn	Ser	Leu	Lys	Thr	Glu	Asp	Thr	Ala	Val	Tyr
			85					90						95	
Tyr	Cys	Thr	Arg	Asp	Gly	Tyr	Tyr	Val	Pro	Phe	Ala	Tyr	Trp	Gly	Gln
		100					105						110		
Gly	Thr	Leu	Val	Thr	Val	Ser	Ser								
		115				120									

<210> 67

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 67

Arg	Ala	Ser	Lys	Ser	Val	Ser	Thr	Ser	Gly	Tyr	Ser	Tyr	Met	His
1				5				10					15	

<210> 68

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 68

Arg	Ala	Ser	Lys	Arg	Val	Ser	Thr	Ser	Val	His	Ser	Tyr	Met	His
1				5				10					15	

735022000740SEQLIST

<210> 69
 <211> 5
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 69
 Tyr Asn Leu Glu Cys
 1 5

<210> 70
 <211> 7
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 70
 Leu Val Ser Asn Leu Glu Ser
 1 5

<210> 71
 <211> 7
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 71
 Leu Ala Ser Ser Leu Glu Ser
 1 5

<210> 72
 <211> 9
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

735022000740SEQLIST

<400> 72

Gln His Ser Trp Glu Ile Pro Leu Thr
1 5

<210> 73

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<220>

<221> VARIANT

<222> 8

<223> Xaa = Any Amino Acid

<400> 73

Asn Leu Leu Leu Ser Ala His Xaa Gly Ala Tyr Thr
1 5 10

<210> 74

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 74

Gln His Ser Arg Glu Val Pro Leu Thr
1 5

<210> 75

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 75

Tyr Thr Phe Thr Ser Tyr Trp Met His
1 5

735022000740SEQLIST

<210> 76
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 76
 Val Ala Glu Ile Arg Leu Lys Ser Asn Asn Tyr Val Thr Asn Tyr Val
 1 5 10 15

<210> 77
 <211> 14
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 77
 Ile Gly Asn Ile Tyr Pro Gly Ser Ile Ser Ser Asn Tyr Asp
 1 5 10

<210> 78
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 78
 Glx Thr Gln Ser Leu Ala Ser Leu Ala Val Ser Leu Gly Gln Arg Ala
 1 5 10 15
 Thr Met Ser Cys
 20

<210> 79
 <211> 23
 <212> PRT
 <213> Artificial Sequence

<220>

735022000740SEQLIST

<223> Synthetic construct

<400> 79

Asp	Ile	Val	Leu	Thr	Gln	Ser	Pro	Ala	Ser	Leu	Ala	Val	Ser	Leu	Gly
1				5				10						15	
Gln	Arg	Ala	Thr	Ile	Ser	Tyr									
			20												

<210> 80

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 80

Asp	Phe	Gln	Ile	Gln	Gln	Ser	Leu	Ala	Ser	Leu	Val	Val	Ser	Met	Gly
1				5				10						15	
Gln	Arg	Ala	Ala	Ile	Ser	Phe									
			20												

<210> 81

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 81

Cys	Asp	Ile	Lys	Met	Thr	Gln	Ser	Pro	Ser	Ser	Met	Tyr	Glu	Ser	Leu
1				5				10						15	
Gly	Glu	Arg	Val	Thr	Ile	Thr	Cys								
			20												

<210> 82

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 82

735022000740SEQLIST

Ser Thr Gly Asp Ile Val Leu Thr Gln Ser Pro Ala Ser Leu Ala Val
 1 5 10 15
 Ser Leu Gly Gln Arg Ala Thr Met Ser Cys
 20 25

<210> 83
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 83
 Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro Lys Leu Leu Ile Lys
 1 5 10 15

<210> 84
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 84
 Trp Asn Gln Gln Lys Pro Gly Gln Pro Pro Arg Leu Leu Ile Tyr
 1 5 10 15

<210> 85
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 85
 Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro Lys Leu Ile Ile Tyr
 1 5 10 15

<210> 86
 <211> 15
 <212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 86

Trp	Leu	Gln	Gln	Lys	Pro	Gly	Lys	Ser	Pro	Lys	Thr	Leu	Ile	Tyr
1				5					10					15

<210> 87

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 87

Gly	Val	Pro	Ala	Arg	Phe	Ser	Gly	Ser	Gly	Glx	Gly	Thr	Asp	Phe	Thr
1				5					10					15	
Leu	Asn	Ile	His	Pro	Val	Glu	Glu	Glu	Asp	Ser	Ala	Thr	Tyr	Tyr	Cys
			20					25					30		

<210> 88

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 88

Gly	Val	Pro	Ala	Arg	Phe	Ser	Gly	Ser	Gly	Glx	Trp	Asp	Arg	Leu	His
1				5					10					15	
Pro	Gln	His	Pro	Ser	Cys	Gly	Gly	Gly	Gly	Cys	Cys				
			20					25							

<210> 89

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

735022000740SEQLIST

<400> 89

Gly	Val	Arg	Ala	Arg	Phe	Ser	Gly	Glx	Gly	Trp	Gly	Thr	Asp	Phe	Thr
1				5				10					15		
Leu	Asn	Ile	His	Pro	Val	Glu	Glu	Glu	Asp	Gly	Ala	Thr	Tyr	Tyr	Cys
			20					25					30		

<210> 90

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 90

Gly	Val	Pro	Ser	Arg	Phe	Ser	Gly	Ser	Gly	Ser	Gly	Gln	Asp	Tyr	Ser
1				5				10					15		
Leu	Thr	Ile	Ser	Ser	Leu	Glu	Tyr	Glu	Asp	Met	Gly	Ile	Tyr	His	Cys
			20					25					30		

<210> 91

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 91

Gly	Val	Pro	Ala	Arg	Phe	Ser	Gly	Ser	Gly	Ser	Gly	Thr	Asp	Phe	Thr
1				5				10					15		
Leu	Asn	Ile	His	Pro	Val	Glu	Glu	Glu	Asp	Thr	Ala	Thr	Tyr	Tyr	Cys
			20					25					30		

<210> 92

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 92

Phe	Gly	Gly	Gly	Thr	Lys	Leu	Glu	Met	Lys
1				5				10	

735022000740SEQLIST

<210> 93
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 93
 Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
 1 5 10

<210> 94
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 94
 Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys
 1 5 10

<210> 95
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 95
 Glu Val Gln Leu Gln Gln Ser Gly Pro Glu Leu Val Lys Pro Gly Ala
 1 5 10 15
 Ser Val Lys Ile Ser Cys Lys Ala Ser Gly
 20 25

<210> 96
 <211> 26
 <212> PRT
 <213> Artificial Sequence

735022000740SEQLIST

<220>

<223> Synthetic construct

<400> 96

Glu	Val	Lys	Leu	Glu	Glu	Ser	Gly	Gly	Gly	Leu	Val	Gln	Pro	Gly	Gly
1				5				10						15	
Ser	Met	Lys	Leu	Ser	Cys	Val	Gly	Ser	Gly						
			20					25							

<210> 97

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 97

Gln	Val	Gln	Leu	Gln	Gln	Ser	Gly	Ser	Glu	Leu	Val	Arg	Pro	Gly	Ala
1				5				10						15	
Ser	Val	Lys	Leu	Ser	Cys	Lys	Ala	Ser	Gly						
			20					25							

<210> 98

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 98

Gln	Val	Gln	Leu	Gln	Gln	Ser	Gly	Ala	Glu	Leu	Val	Lys	Pro	Gly	Ala
1				5				10						15	
Ser	Val	Lys	Leu	Ser	Cys	Lys	Ala	Ser	Gly						
			20					25							

<210> 99

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

735022000740SEQLIST

<400> 99

Pro Glu Leu Val Lys Pro Gly Ala Ser Val Lys Ile Ser Cys Lys Ala

1

5

10

15

Ser Gly

<210> 100

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 100

Trp Val Lys Leu Ser His Gly Lys Ser Leu Glu Trp

1

5

10

<210> 101

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 101

Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp

1

5

10

<210> 102

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 102

Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp

1

5

10

<210> 103

<211> 12

735022000740SEQLIST

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 103

Trp Val Arg Gln Arg Pro Glu Gln Gly Leu Glu Trp
1 5 10

<210> 104

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 104

Gln Lys Phe Lys Asn Lys Ala Thr Leu Thr Val Asp Asn Ser Ser Ser
1 5 10 15
Thr Ala Tyr Met Glu Leu Arg Ser Leu Thr Ser Glu Asp Ser Ala Val
20 25 30
Tyr Tyr Cys
35

<210> 105

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 105

Glu Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser
1 5 10 15
Arg Val Tyr Leu Gln Met Asn Asn Leu Arg Gly Glu Asp Thr Gly Phe
20 25 30
Tyr Tyr Cys
35

<210> 106

<211> 35

<212> PRT

735022000740SEQLIST

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 106

Glu	Lys	Phe	Lys	Asn	Lys	Ala	Thr	Leu	Thr	Val	Asp	Thr	Ser	Ser	Ser
1				5				10					15		
Thr	Ala	Tyr	Met	Gln	Leu	Ser	Ser	Leu	Thr	Ser	Glu	Asp	Ser	Ala	Val
			20					25					30		
Tyr	Phe	Cys													
		35													

<210> 107

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 107

Glu	Lys	Phe	Lys	Gly	Lys	Ala	Thr	Leu	Thr	Thr	Asp	Lys	Ser	Ser	Asn
1				5				10					15		
Thr	Thr	Tyr	Met	Gln	Leu	Ser	Arg	Leu	Thr	Ser	Glu	Asp	Ser	Ala	Val
			20					25					30		
Tyr	Phe	Cys													
		35													

<210> 108

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 108

Trp	Gly	Gln	Gly	Thr	Thr	Leu	Thr	Val	Ser	Ser
1				5				10		

<210> 109

<211> 11

<212> PRT

<213> Artificial Sequence

735022000740SEQLIST

<220>

<223> Synthetic construct

<400> 109

Trp	Gly	Gln	Gly	Thr	Leu	Val	Thr	Val	Ser	Ala
1				5					10	

<210> 110

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 110

Trp	Gly	His	Gly	Thr	Thr	Leu	Thr	Val	Ser	Ser
1				5					10	

<210> 111

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 111

Trp	Gly	Gln	Gly	Thr	Ser	Val	Thr	Val	Ser	Ser
1				5					10	

<210> 112

<211> 106

<212> PRT

<213> Mus musculus

<400> 112

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

735022000740SEQLIST

50		55		60												
Gly	Glx	Gly	Thr	Asp	Phe	Thr	Leu	Asn	Ile	His	Pro	Val	Glu	Glu	Glu	
65		70								75					80	
Asp	Ser	Ala	Thr	Tyr	Tyr	Cys	Gln	His	Ser	Trp	Glu	Ile	Pro	Leu	Thr	
		85							90					95		
Phe	Gly	Gly	Gly	Thr	Lys	Leu	Glu	Met	Lys							
		100						105								

<210> 113
 <211> 109
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 113																
Asp	Val	Val	Met	Thr	Gln	Ser	Pro	Leu	Ser	Leu	Pro	Val	Thr	Leu	Gly	
1			5					10						15		
Gln	Pro	Ala	Ser	Ile	Ser	Cys	Arg	Ala	Ser	Gln	Ser	Val	Ser	Thr	Ser	
		20					25					30				
Thr	Tyr	Ser	Tyr	Met	His	Trp	Phe	Gln	Gln	Arg	Pro	Gly	Gln	Ser	Pro	
		35				40					45					
Arg	Arg	Leu	Ile	Tyr	Tyr	Asn	Leu	Glu	Cys	Gly	Val	Pro	Asp	Arg	Phe	
	50				55				60							
Ser	Gly	Ser	Gly	Ser	Gly	Thr	Asp	Phe	Thr	Leu	Lys	Ile	Ser	Arg	Val	
65			70					75						80		
Glu	Ala	Glu	Asp	Val	Gly	Val	Tyr	Tyr	Cys	Gln	His	Ser	Trp	Glu	Ile	
		85					90							95		
Pro	Leu	Thr	Phe	Gly	Gln	Gly	Thr	Lys	Val	Glu	Ile	Lys				
		100					105									

<210> 114
 <211> 109
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 114																
Asp	Ile	Val	Met	Thr	Gln	Ser	Pro	Leu	Ser	Leu	Pro	Val	Thr	Pro	Gly	
1			5					10						15		
Glu	Pro	Ala	Ser	Ile	Ser	Cys	Arg	Ala	Ser	Gln	Ser	Val	Ser	Thr	Ser	
		20					25					30				
Thr	Tyr	Ser	Tyr	Met	His	Trp	Tyr	Leu	Gln	Lys	Pro	Gly	Gln	Ser	Pro	

735022000740SEQLIST

	35					40				45							
Gln	Leu	Leu	Ile	Tyr	Tyr	Asn	Leu	Glu	Cys	Gly	Val	Pro	Asp	Arg	Phe		
	50					55				60							
Ser	Gly	Ser	Gly	Ser	Gly	Thr	Asp	Phe	Thr	Leu	Lys	Ile	Ser	Arg	Val		
65					70					75					80		
Glu	Ala	Glu	Asp	Val	Gly	Val	Tyr	Tyr	Cys	Gln	His	Ser	Trp	Glu	Ile		
			85						90					95			
Pro	Leu	Thr	Phe	Gly	Gln	Gly	Thr	Lys	Val	Glu	Ile	Lys					
			100					105									

<210> 115

<211> 109

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 115

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

<210> 116

<211> 109

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 116

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

735022000740SEQLIST

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

<210> 117

<211> 109

<212> PRT

<213> Artificial Sequence

$\langle 220 \rangle$

<223> Synthetic construct

<400> 117

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

<210> 118

<211> 109

<212> PRT

<213> Artificial Sequence

$\langle 220 \rangle$

<223> Synthetic construct

<400> 118

Glu Ile Val Leu Thr Gln Ser Pro Ala Thr Leu Ser Leu Ser Pro Gly

735022000740SEQLIST

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

<210> 119

<211> 109

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 119

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

<210> 120

<211> 109

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

735022000740SEQLIST

<400> 120

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

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<210> 121

<211> 109

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 121

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

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<210> 122

<211> 109

<212> PRT

<213> Artificial Sequence

<220>

735022000740SEQLIST

<223> Synthetic construct

<400> 122

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

<210> 123

<211> 110

<212> PRT

<213> Mus musculus

<220>

<221> VARIANT

<222> 96

<223> Xaa = Any Amino Acid

<400> 123

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

<210> 124

<211> 114

735022000740SEQLIST

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<220>
<221> VARIANT
<222> 100
<223> Xaa = Any Amino Acid

<400> 124
Asp Ile Val Met Thr Gln Ser Pro Leu Ser Leu Pro Val Thr Pro Gly
1 5 10 15
Glu Pro Ala Ser Ile Ser Cys Arg Ala Ser Lys Ser Val Ser Thr Ser
20 25 30
Gly Tyr Ser Tyr Met His Trp Tyr Leu Gln Lys Pro Gly Gln Ser Pro
35 40 45
Gln Leu Leu Ile Tyr Leu Val Ser Asn Leu Glu Ser Gly Val Pro Asp
50 55 60
Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Lys Ile Ser
65 70 75 80
Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Asn Leu Leu Leu
85 90 95
Ser Ala His Xaa Gly Ala Tyr Thr Phe Gly Gln Gly Thr Lys Val Glu
100 105 110
Ile Lys

<210> 125
<211> 114
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<220>
<221> VARIANT
<222> 100
<223> Xaa = Any Amino Acid

<400> 125
Asp Val Val Met Thr Gln Ser Pro Leu Ser Leu Pro Val Thr Leu Gly
1 5 10 15
Gln Pro Ala Ser Ile Ser Cys Arg Ala Ser Lys Ser Val Ser Thr Ser
20 25 30

735022000740SEQLIST

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

<210> 126

<211> 114

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<220>

<221> VARIANT

<222> 100

<223> Xaa = Any Amino Acid

<400> 126

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

<210> 127

<211> 114

735022000740SEQLIST

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<220>
<221> VARIANT
<222> 100
<223> Xaa = Any Amino Acid

<400> 127
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15
Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Lys Ser Val Ser Thr Ser
20 25 30
Gly Tyr Ser Tyr Met His Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro
35 40 45
Lys Leu Leu Ile Tyr Leu Val Ser Asn Leu Glu Ser Gly Val Pro Ser
50 55 60
Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Phe Thr Ile Ser
65 70 75 80
Ser Leu Gln Pro Glu Asp Ile Ala Thr Tyr Tyr Cys Asn Leu Leu Leu
85 90 95
Ser Ala His Xaa Gly Ala Tyr Thr Phe Gly Gln Gly Thr Lys Val Glu
100 105 110
Ile Lys

<210> 128
<211> 114
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<220>
<221> VARIANT
<222> 100
<223> Xaa = Any Amino Acid

<400> 128
Asp Ile Gln Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val Gly
1 5 10 15
Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Lys Ser Val Ser Thr Ser
20 25 30

735022000740SEQLIST

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

<210> 129

<211> 114

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<220>

<221> VARIANT

<222> 100

<223> Xaa = Any Amino Acid

<400> 129

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

<210> 130

<211> 114

735022000740SEQLIST

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<220>

<221> VARIANT

<222> 100

<223> Xaa = Any Amino Acid

<400> 130

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

<210> 131

<211> 114

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<220>

<221> VARIANT

<222> 100

<223> Xaa = Any Amino Acid

<400> 131

Glu	Ile	Val	Leu	Thr	Gln	Ser	Pro	Ala	Thr	Leu	Ser	Leu	Ser	Pro	Gly
1				5					10					15	
Glu	Arg	Ala	Thr	Leu	Ser	Cys	Arg	Ala	Ser	Lys	Ser	Val	Ser	Thr	Ser
			20					25					30		

735022000740SEQLIST

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

<210> 132

<211> 114

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<220>

<221> VARIANT

<222> 100

<223> Xaa = Any Amino Acid

<400> 132

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

<210> 133

<211> 114

735022000740SEQLIST

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<220>

<221> VARIANT

<222> 100

<223> Xaa = Any Amino Acid

<400> 133

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

<210> 134

<211> 111

<212> PRT

<213> Mus musculus

<400> 134

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

735022000740SEQLIST

Glu Val Pro Leu Thr Phe Gly Gly Gly Thr Lys Leu Glu Met Lys
 100 105 110

<210> 135

<211> 111

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 135

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

<210> 136

<211> 111

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 136

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

735022000740SEQLIST

Arg	Val	Glu	Ala	Glu	Asp	Val	Gly	Val	Tyr	Tyr	Cys	Gln	His	Ser	Arg
				85					90					95	
Glu	Val	Pro	Leu	Thr	Phe	Gly	Gln	Gly	Thr	Lys	Val	Glu	Ile	Lys	
			100					105					110		

<210> 137

<211> 111

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 137

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

<210> 138

<211> 111

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 138

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

735022000740SEQLIST

Arg	Phe	Ser	Gly	Ser	Gly	Ser	Gly	Thr	Glu	Phe	Thr	Leu	Thr	Ile	Ser
65					70					75					80
Ser	Leu	Gln	Pro	Asp	Asp	Phe	Ala	Thr	Tyr	Tyr	Cys	Gln	His	Ser	Arg
				85					90					95	
Glu	Val	Pro	Leu	Thr	Phe	Gly	Gln	Gly	Thr	Lys	Val	Glu	Ile	Lys	
			100					105					110		

<210> 139

<211> 111

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 139

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

<210> 140

<211> 111

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 140

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

735022000740SEQLIST

Lys Leu Leu Ile Tyr Leu Ala Ser Ser Leu Glu Ser Gly Val Pro Ser
 50 55 60
 Arg Phe Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser
 65 70 75 80
 Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln His Ser Arg
 85 90 95
 Glu Val Pro Leu Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
 100 105 110

<210> 141
 <211> 111
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 141
 Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
 1 5 10 15
 Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Lys Arg Val Ser Thr Ser
 20 25 30
 Val His Ser Tyr Met His Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro
 35 40 45
 Lys Leu Leu Ile Tyr Leu Ala Ser Ser Leu Glu Ser Gly Val Pro Ser
 50 55 60
 Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Phe Thr Ile Ser
 65 70 75 80
 Ser Leu Gln Pro Glu Asp Ile Ala Thr Tyr Tyr Cys Gln His Ser Arg
 85 90 95
 Glu Val Pro Leu Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
 100 105 110

<210> 142
 <211> 111
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 142
 Glu Ile Val Leu Thr Gln Ser Pro Ala Thr Leu Ser Leu Ser Pro Gly
 1 5 10 15
 Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Lys Arg Val Ser Thr Ser
 20 25 30

735022000740SEQLIST

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

<210> 143

<211> 111

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 143

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

<210> 144

<211> 111

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 144

Glu	Ile	Val	Met	Thr	Gln	Ser	Pro	Ala	Thr	Leu	Ser	Val	Ser	Pro	Gly
1				5				10						15	

735022000740SEQLIST

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

<210> 145

<211> 107

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 145

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

<210> 146

<211> 107

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 146

735022000740SEQLIST

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

<210> 147

<211> 107

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 147

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

<210> 148

<211> 107

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

735022000740SEQLIST

<400> 148

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

<210> 149

<211> 107

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 149

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

<210> 150

<211> 107

<212> PRT

<213> Artificial Sequence

735022000740SEQLIST

<220>

<223> Synthetic construct

<400> 150

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

```

<210> 151

<211> 109

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 151

```

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

```

<210> 152

<211> 109

<212> PRT

735022000740SEQLIST

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 152

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

<210> 153

<211> 109

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 153

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

<210> 154

735022000740SEQLIST

<211> 117

<212> PRT

<213> Mus musculus

<400> 154

Glu	Val	Gln	Leu	Gln	Ser	Gly	Pro	Glu	Leu	Val	Lys	Pro	Gly	Ala
1			5					10					15	
Ser	Val	Lys	Ile	Ser	Cys	Lys	Ala	Ser	Gly	Tyr	Thr	Phe	Thr	Asp
		20					25					30		Tyr
Asn	Leu	His	Trp	Val	Lys	Leu	Ser	His	Gly	Lys	Ser	Leu	Glu	Trp
		35					40					45		Ile
Gly	Phe	Ile	Tyr	Pro	Ser	Asn	Gly	Ile	Thr	Gly	Tyr	Asn	Gln	Lys
	50					55					60			Phe
Lys	Asn	Lys	Ala	Thr	Leu	Thr	Val	Asp	Asn	Ser	Ser	Ser	Thr	Ala
65					70					75				80
Met	Glu	Leu	Arg	Ser	Leu	Thr	Ser	Glu	Asp	Ser	Ala	Val	Tyr	Tyr
			85						90					95
Ala	Arg	Ser	Thr	Val	Asp	Tyr	Phe	Asp	Tyr	Trp	Gly	Gln	Gly	Thr
			100					105					110	Thr
Leu	Thr	Val	Ser	Ser										
			115											

<210> 155

<211> 117

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 155

Glu	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Leu	Val	Gln	Pro	Gly
1			5						10					15
Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Tyr	Thr	Phe	Thr	Asp
		20						25				30		Tyr
Asn	Leu	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp
		35				40						45		Ile
Gly	Phe	Ile	Tyr	Pro	Ser	Asn	Gly	Ile	Thr	Gly	Tyr	Asn	Asp	Ser
	50					55					60			Val
Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ala	Lys	Asn	Ser	Leu
65					70					75				80
Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Val	Tyr	Tyr
			85						90					95
Ala	Arg	Ser	Thr	Val	Asp	Tyr	Phe	Asp	Tyr	Trp	Gly	Gln	Gly	Thr
			100					105					110	Leu
Val	Thr	Val	Ser	Ser										
			115											

735022000740SEQLIST

<210> 156
 <211> 117
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 156
 Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
 1 5 10 15
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Tyr Thr Phe Thr Asp Tyr
 20 25 30
 Asn Leu His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Ile
 35 40 45
 Gly Phe Ile Tyr Pro Ser Asn Gly Ile Thr Gly Tyr Asn Asp Ser Val
 50 55 60
 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80
 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Ala Arg Ser Thr Val Asp Tyr Phe Asp Tyr Trp Gly Gln Gly Thr Leu
 100 105 110
 Val Thr Val Ser Ser
 115

<210> 157
 <211> 117
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 157
 Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Glu
 1 5 10 15
 Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Tyr Thr Phe Thr Asp Tyr
 20 25 30
 Asn Leu His Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Ile
 35 40 45
 Gly Phe Ile Tyr Pro Ser Asn Gly Ile Thr Gly Tyr Asn Pro Ser Leu
 50 55 60
 Lys Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser
 65 70 75 80

735022000740SEQLIST

Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys
85 90 95
Ala Arg Ser Thr Val Asp Tyr Phe Asp Tyr Trp Gly Gln Gly Thr Leu
100 105 110
Val Thr Val Ser Ser
115

<210> 158

<211> 117

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 158

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly
1 5 10 15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Tyr Thr Phe Thr Asp Tyr
20 25 30
Asn Leu His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Ile
35 40 45
Gly Phe Ile Tyr Pro Ser Asn Gly Ile Thr Gly Tyr Asn Ala Pro Val
50 55 60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr Leu Tyr
65 70 75 80
Leu Gln Met Asn Ser Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95
Ala Arg Ser Thr Val Asp Tyr Phe Asp Tyr Trp Gly Gln Gly Thr Leu
100 105 110
Val Thr Val Ser Ser
115

<210> 159

<211> 117

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 159

Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15
Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Tyr Thr Phe Thr Asp Tyr
20 25 30

735022000740SEQLIST

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

<210> 160

<211> 120

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 160

Glu	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Leu	Val	Gln	Pro	Gly	Gly
1				5					10					15	
Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Phe	Ser	Asn	Tyr
		20						25					30		
Cys	Met	Asn	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Val
		35				40						45			
Ala	Glu	Ile	Arg	Leu	Lys	Ser	Asn	Asn	Tyr	Val	Thr	Asn	Tyr	Val	Asp
	50					55					60				
Ser	Val	Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ala	Lys	Asn	Ser
65					70					75				80	
Leu	Tyr	Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Val	Tyr
			85						90					95	
Tyr	Cys	Thr	Arg	Asp	Gly	Tyr	Tyr	Val	Pro	Phe	Ala	Tyr	Trp	Gly	Gln
			100					105					110		
Gly	Thr	Leu	Val	Thr	Val	Ser	Ser								
			115				120								

<210> 161

<211> 120

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

735022000740SEQLIST

<400> 161

Glu	Val	Gln	Leu	Leu	Glu	Ser	Gly	Gly	Gly	Leu	Val	Gln	Pro	Gly	Gly
1				5				10					15		
Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Phe	Ser	Asn	Tyr
		20						25					30		
Cys	Met	Asn	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Val
	35					40						45			
Ala	Glu	Ile	Arg	Leu	Lys	Ser	Asn	Asn	Tyr	Val	Thr	Asn	Tyr	Val	Asp
50					55					60					
Ser	Val	Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ser	Lys	Asn	Thr
65				70					75					80	
Leu	Tyr	Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Val	Tyr
		85						90					95		
Tyr	Cys	Thr	Arg	Asp	Gly	Tyr	Tyr	Val	Pro	Phe	Ala	Tyr	Trp	Gly	Gln
		100						105					110		
Gly	Thr	Leu	Val	Thr	Val	Ser	Ser								
	115					120									

<210> 162

<211> 120

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 162

Gln	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Val	Val	Gln	Pro	Gly	Arg
1				5				10					15		
Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Phe	Ser	Asn	Tyr
		20						25					30		
Cys	Met	Asn	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Val
	35					40						45			
Ala	Glu	Ile	Arg	Leu	Lys	Ser	Asn	Asn	Tyr	Val	Thr	Asn	Tyr	Val	Asp
50					55					60					
Ser	Val	Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ser	Lys	Asn	Thr
65				70					75					80	
Leu	Tyr	Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Val	Tyr
		85						90					95		
Tyr	Cys	Thr	Arg	Asp	Gly	Tyr	Tyr	Val	Pro	Phe	Ala	Tyr	Trp	Gly	Gln
		100						105					110		
Gly	Thr	Leu	Val	Thr	Val	Ser	Ser								
	115					120									

<210> 163

735022000740SEQLIST

<211> 120
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 163
 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
 1 5 10 15
 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Phe Thr Phe Ser Asn Tyr
 20 25 30
 Cys Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Val
 35 40 45
 Ala Glu Ile Arg Leu Lys Ser Asn Asn Tyr Val Thr Asn Tyr Val Gln
 50 55 60
 Lys Phe Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Ser Thr Ser Thr
 65 70 75 80
 Ala Tyr Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr
 85 90 95
 Tyr Cys Thr Arg Asp Gly Tyr Tyr Val Pro Phe Ala Tyr Trp Gly Gln
 100 105 110
 Gly Thr Leu Val Thr Val Ser Ser
 115 120

<210> 164
 <211> 120
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 164
 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15
 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Phe Thr Phe Ser Asn Tyr
 20 25 30
 Cys Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Val
 35 40 45
 Ala Glu Ile Arg Leu Lys Ser Asn Asn Tyr Val Thr Asn Tyr Val Gln
 50 55 60
 Lys Phe Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr
 65 70 75 80
 Val Tyr Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr
 85 90 95
 Tyr Cys Thr Arg Asp Gly Tyr Tyr Val Pro Phe Ala Tyr Trp Gly Gln

735022000740SEQLIST

100 105 110
 Gly Thr Leu Val Thr Val Ser Ser
 115 120

<210> 165
 <211> 120
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 165
 Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Glu
 1 5 10 15
 Ser Leu Lys Ile Ser Cys Lys Gly Ser Gly Phe Thr Phe Ser Asn Tyr
 20 25 30
 Cys Met Asn Trp Val Arg Gln Met Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45
 Ala Glu Ile Arg Leu Lys Ser Asn Asn Tyr Val Thr Asn Tyr Val Pro
 50 55 60
 Ser Phe Gln Gly Gln Val Thr Ile Ser Ala Asp Lys Ser Ile Ser Thr
 65 70 75 80
 Ala Tyr Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr
 85 90 95
 Tyr Cys Thr Arg Asp Gly Tyr Tyr Val Pro Phe Ala Tyr Trp Gly Gln
 100 105 110
 Gly Thr Leu Val Thr Val Ser Ser
 115 120

<210> 166
 <211> 120
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 166
 Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Glu
 1 5 10 15
 Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Phe Thr Phe Ser Asn Tyr
 20 25 30
 Cys Met Asn Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45
 Ala Glu Ile Arg Leu Lys Ser Asn Asn Tyr Val Thr Asn Tyr Val Pro

735022000740SEQLIST

50		55		60												
Ser	Leu	Lys	Ser	Arg	Val	Thr	Ile	Ser	Val	Asp	Thr	Ser	Lys	Asn	Gln	
65					70					75					80	
Phe	Ser	Leu	Lys	Leu	Ser	Ser	Val	Thr	Ala	Ala	Asp	Thr	Ala	Val	Tyr	
				85					90					95		
Tyr	Cys	Thr	Arg	Asp	Gly	Tyr	Tyr	Val	Pro	Phe	Ala	Tyr	Trp	Gly	Gln	
			100					105					110			
Gly	Thr	Leu	Val	Thr	Val	Ser	Ser									
		115					120									

<210> 167

<211> 120

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 167

Gln	Leu	Gln	Leu	Gln	Glu	Ser	Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser	Glu	
1				5					10					15		
Thr	Leu	Ser	Leu	Thr	Cys	Thr	Val	Ser	Gly	Phe	Thr	Phe	Ser	Asn	Tyr	
			20					25					30			
Cys	Met	Asn	Trp	Ile	Arg	Gln	Pro	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Val	
		35					40					45				
Ala	Glu	Ile	Arg	Leu	Lys	Ser	Asn	Asn	Tyr	Val	Thr	Asn	Tyr	Val	Pro	
	50					55					60					
Ser	Leu	Lys	Ser	Arg	Val	Thr	Ile	Ser	Val	Asp	Thr	Ser	Lys	Asn	Gln	
65				70						75					80	
Phe	Ser	Leu	Lys	Leu	Ser	Ser	Val	Thr	Ala	Ala	Asp	Thr	Ala	Val	Tyr	
				85					90					95		
Tyr	Cys	Thr	Arg	Asp	Gly	Tyr	Tyr	Val	Pro	Phe	Ala	Tyr	Trp	Gly	Gln	
			100					105					110			
Gly	Thr	Leu	Val	Thr	Val	Ser	Ser									
		115					120									

<210> 168

<211> 120

<212> PRT

<213> Mus musculus

<400> 168

Gln	Val	Gln	Leu	Gln	Gln	Ser	Gly	Ser	Glu	Leu	Val	Arg	Pro	Gly	Ala	
1				5					10					15		
Ser	Val	Lys	Leu	Ser	Cys	Lys	Ala	Ser	Gly	Tyr	Thr	Phe	Thr	Ser	Tyr	
			20					25					30			

735022000740SEQLIST

Trp	Met	His	Trp	Val	Lys	Gln	Arg	Pro	Gly	Gln	Gly	Leu	Glu	Trp	Ile
	35						40					45			
Gly	Asn	Ile	Tyr	Pro	Gly	Ser	Ile	Ser	Ser	Asn	Tyr	Asp	Glu	Lys	Phe
	50					55					60				
Lys	Asn	Lys	Ala	Thr	Leu	Thr	Val	Asp	Thr	Ser	Ser	Ser	Thr	Ala	Tyr
65					70					75					80
Met	Gln	Leu	Ser	Ser	Leu	Thr	Ser	Glu	Asp	Ser	Ala	Val	Tyr	Phe	Cys
			85						90					95	
Thr	Arg	Gly	His	Tyr	Gly	Ser	Tyr	Leu	Thr	Phe	Asp	Tyr	Trp	Gly	His
		100						105					110		
Gly	Thr	Thr	Leu	Thr	Val	Ser	Ser								
	115						120								

<210> 169

<211> 120

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 169

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

<210> 170

<211> 120

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

735022000740SEQLIST

<400> 170

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

<210> 171

<211> 120

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 171

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

<210> 172

735022000740SEQLIST

<211> 120
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 172

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

<210> 173
 <211> 120
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 173

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

735022000740SEQLIST

100 105 110
 Gly Thr Leu Val Thr Val Ser Ser
 115 120

<210> 174
 <211> 120
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 174
 Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
 1 5 10 15
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
 20 25 30
 Trp Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Ile
 35 40 45
 Gly Asn Ile Tyr Pro Gly Ser Ile Ser Ser Asn Tyr Asp Asp Ser Val
 50 55 60
 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80
 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Thr Arg Gly His Tyr Gly Ser Tyr Leu Thr Phe Asp Tyr Trp Gly Gln
 100 105 110
 Gly Thr Leu Val Thr Val Ser Ser
 115 120

<210> 175
 <211> 120
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 175
 Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Glu
 1 5 10 15
 Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Tyr Thr Phe Thr Ser Tyr
 20 25 30
 Trp Met His Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Ile
 35 40 45
 Gly Asn Ile Tyr Pro Gly Ser Ile Ser Ser Asn Tyr Asp Pro Ser Leu

735022000740SEQLIST

50		55		60											
Lys	Ser	Arg	Val	Thr	Ile	Ser	Val	Asp	Thr	Ser	Lys	Asn	Gln	Phe	Ser
65					70					75					80
Leu	Lys	Leu	Ser	Ser	Val	Thr	Ala	Ala	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
			85						90					95	
Thr	Arg	Gly	His	Tyr	Gly	Ser	Tyr	Leu	Thr	Phe	Asp	Tyr	Trp	Gly	Gln
		100						105					110		
Gly	Thr	Leu	Val	Thr	Val	Ser	Ser								
		115					120								

<210> 176

<211> 120

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 176

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

<210> 177

<211> 120

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 177

Gln	Val	Gln	Leu	Gln	Glu	Ser	Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser	Gln
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

735022000740SEQLIST

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

<210> 178

<211> 115

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 178

Glu	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Leu	Val	Gln	Pro	Gly	Gly	
1				5				10					15			
Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Tyr	Thr	Phe	Thr	Ser	Tyr	
		20						25				30				
Asp	Ile	Asn	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Ile	
		35				40						45				
Gly	Trp	Ile	Phe	Pro	Gly	Asp	Gly	Ser	Thr	Lys	Tyr	Asn	Asp	Ser	Val	
	50					55				60						
Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ala	Lys	Asn	Ser	Leu	Tyr	
65					70				75					80		
Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys	
			85					90					95			
Arg	Tyr	His	Tyr	Ala	Met	Asp	Ser	Trp	Gly	Gln	Gly	Thr	Leu	Val	Thr	
		100						105					110			
Val	Ser	Ser														
		115														

<210> 179

<211> 115

<212> PRT

<213> Artificial Sequence

735022000740SEQLIST

<220>

<223> Synthetic construct

<400> 179

Gln	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Val	Val	Gln	Pro	Gly	Arg
1				5					10					15	
Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Tyr	Thr	Phe	Thr	Ser	Tyr
			20					25					30		
Asp	Ile	Asn	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Ile
		35					40					45			
Gly	Trp	Ile	Phe	Pro	Gly	Asp	Gly	Ser	Thr	Lys	Tyr	Asn	Asp	Ser	Val
	50					55					60				
Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ser	Lys	Asn	Thr	Leu	Tyr
65					70				75					80	
Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
			85					90					95		
Arg	Tyr	His	Tyr	Ala	Met	Asp	Ser	Trp	Gly	Gln	Gly	Thr	Leu	Val	Thr
			100					105					110		
Val	Ser	Ser													
			115												

<210> 180

<211> 115

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 180

Gln	Val	Gln	Leu	Gln	Glu	Ser	Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser	Glu
1				5					10					15	
Thr	Leu	Ser	Leu	Thr	Cys	Thr	Val	Ser	Gly	Tyr	Thr	Phe	Thr	Ser	Tyr
			20					25					30		
Asp	Ile	Asn	Trp	Ile	Arg	Gln	Pro	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Ile
		35					40					45			
Gly	Trp	Ile	Phe	Pro	Gly	Asp	Gly	Ser	Thr	Lys	Tyr	Asn	Pro	Ser	Leu
	50					55					60				
Lys	Ser	Arg	Val	Thr	Ile	Ser	Val	Asp	Thr	Ser	Lys	Asn	Gln	Phe	Ser
65					70				75					80	
Leu	Lys	Leu	Ser	Ser	Val	Thr	Ala	Ala	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
			85					90					95		
Arg	Tyr	His	Tyr	Ala	Met	Asp	Ser	Trp	Gly	Gln	Gly	Thr	Leu	Val	Thr
			100					105					110		
Val	Ser	Ser													
			115												

735022000740SEQLIST

<210> 181
 <211> 115
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 181
 Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly
 1 5 10 15
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
 20 25 30
 Asp Ile Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Ile
 35 40 45
 Gly Trp Ile Phe Pro Gly Asp Gly Ser Thr Lys Tyr Asn Ala Pro Val
 50 55 60
 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr Leu Tyr
 65 70 75 80
 Leu Gln Met Asn Ser Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Arg Tyr His Tyr Ala Met Asp Ser Trp Gly Gln Gly Thr Leu Val Thr
 100 105 110
 Val Ser Ser
 115

<210> 182
 <211> 115
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 182
 Gln Leu Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Glu
 1 5 10 15
 Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Tyr Thr Phe Thr Ser Tyr
 20 25 30
 Asp Ile Asn Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Ile
 35 40 45
 Gly Trp Ile Phe Pro Gly Asp Gly Ser Thr Lys Tyr Asn Pro Ser Leu
 50 55 60
 Lys Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser
 65 70 75 80

735022000740SEQLIST

Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys
85 90 95
Arg Tyr His Tyr Ala Met Asp Ser Trp Gly Gln Gly Thr Leu Val Thr
100 105 110
Val Ser Ser
115

<210> 183
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 183
Gln Leu Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Glu
1 5 10 15
Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Tyr Thr Phe Thr Asp Tyr
20 25 30
Asn Leu His Trp Ile Arg Gln Pro Gly Lys Gly Leu Glu Trp Ile
35 40 45
Gly Phe Ile Tyr Pro Ser Asn Gly Ile Thr Gly Tyr Asn Pro Ser Leu
50 55 60
Lys Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser
65 70 75 80
Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys
85 90 95
Ala Arg Ser Thr Val Asp Tyr Phe Asp Tyr Trp Gly Gln Gly Thr Leu
100 105 110
Val Thr Val Ser Ser
115

<210> 184
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 184
Arg Pro Ser Lys Arg Ile Ser Ala Tyr Val Phe Ser Tyr Met His
1 5 10 15

735022000740SEQLIST

<210> 185
 <211> 7
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<220>
 <221> VARIANT
 <222> 7
 <223> Xaa = Any Amino Acid

<400> 185
 Leu Ser Cys Asn Leu Glu Xaa
 1 5

<210> 186
 <211> 14
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 186
 Ile Gly Asn Ile Tyr Pro Gly Ser Gly Ser Thr Tyr Tyr Asp
 1 5 10

<210> 187
 <211> 13
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 187
 Thr Arg Gly His Tyr Gly Asn Tyr Leu Thr Phe Asp Tyr
 1 5 10

<210> 188
 <211> 23
 <212> PRT
 <213> Artificial Sequence

735022000740SEQLIST

<220>

<223> Synthetic construct

<400> 188

Asp	Leu	Glx	Leu	Thr	Gln	Ser	Leu	Ala	Ser	Leu	Val	Val	Cys	Met	Gly
1				5				10					15		
Gln	Arg	Ala	Ala	Ile	Ser	Phe									
			20												

<210> 189

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 189

Gly	Val	Arg	Ala	Arg	Leu	Ser	Gly	Arg	Arg	Trp	Val	Thr	Asp	Phe	Thr
1			5				10						15		
Leu	Asn	Ile	His	Pro	Ala	Glu	Glu	Glu	Asp	Gly	Ala	Thr	Tyr	Tyr	Cys
			20				25					30			

<210> 190

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 190

Gln	Val	Gln	Leu	Gln	Gln	Pro	Gly	Ser	Glu	Leu	Val	Arg	Pro	Gly	Ala
1			5				10						15		
Ser	Val	Lys	Leu	Ser	Cys	Lys	Ala	Ser	Gly						
			20				25								

<210> 191

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

735022000740SEQLIST

<400> 191

Glu	Lys	Phe	Lys	Ser	Lys	Ala	Thr	Leu	Thr	Val	Asp	Thr	Ser	Ser	Gly
1				5					10					15	
Thr	Ala	Tyr	Met	Gln	Leu	Ser	Ser	Leu	Thr	Ser	Glu	Asp	Ser	Ala	Val
			20					25					30		
Tyr	Tyr	Cys													
		35													

<210> 192

<211> 111

<212> PRT

<213> Mus musculus

<220>

<221> VARIANT

<222> 60

<223> Xaa = Any Amino Acid

<400> 192

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

<210> 193

<211> 111

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<220>

<221> VARIANT

<222> 60

735022000740SEQLIST

<223> Xaa = Any Amino Acid

<400> 193

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

<210> 194

<211> 111

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<220>

<221> VARIANT

<222> 60

<223> Xaa = Any Amino Acid

<400> 194

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

735022000740SEQLIST

<210> 195
 <211> 111
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<220>
 <221> VARIANT
 <222> 60
 <223> Xaa = Any Amino Acid

<400> 195
 Asp Ile Val Met Thr Gln Ser Pro Asp Ser Leu Ala Val Ser Leu Gly
 1 5 10 15
 Glu Arg Ala Thr Ile Asn Cys Arg Pro Ser Lys Arg Ile Ser Ala Tyr
 20 25 30
 Val Phe Ser Tyr Met His Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro
 35 40 45
 Lys Leu Leu Ile Tyr Leu Ser Cys Asn Leu Glu Xaa Gly Val Pro Asp
 50 55 60
 Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser
 65 70 75 80
 Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln His Ser Arg
 85 90 95
 Glu Leu Pro Leu Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
 100 105 110

<210> 196
 <211> 111
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<220>
 <221> VARIANT
 <222> 60
 <223> Xaa = Any Amino Acid

<400> 196
 Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
 1 5 10 15
 Asp Arg Val Thr Ile Thr Cys Arg Pro Ser Lys Arg Ile Ser Ala Tyr

735022000740SEQLIST

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

<210> 197

<211> 111

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<220>

<221> VARIANT

<222> 60

<223> Xaa = Any Amino Acid

<400> 197

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

<210> 198

<211> 111

<212> PRT

<213> Artificial Sequence

735022000740SEQLIST

<220>

<223> Synthetic construct

<220>

<221> VARIANT

<222> 60

<223> Xaa = Any Amino Acid

<400> 198

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

<210> 199

<211> 111

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<220>

<221> VARIANT

<222> 60

<223> Xaa = Any Amino Acid

<400> 199

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

735022000740SEQLIST

65		70		75		80									
Ser	Leu	Gln	Pro	Glu	Asp	Phe	Ala	Thr	Tyr	Tyr	Cys	Gln	His	Ser	Arg
		85						90						95	
Glu	Leu	Pro	Leu	Thr	Phe	Gly	Gln	Gly	Thr	Lys	Val	Glu	Ile	Lys	
		100						105					110		

<210> 200
 <211> 111
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<220>
 <221> VARIANT
 <222> 60
 <223> Xaa = Any Amino Acid

<400> 200
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15
Asp Arg Val Thr Ile Thr Cys Arg Pro Ser Lys Arg Ile Ser Ala Tyr
20 25 30
Val Phe Ser Tyr Met His Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro
35 40 45
Lys Leu Leu Ile Tyr Leu Ser Cys Asn Leu Glu Xaa Gly Val Pro Ser
50 55 60
Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser
65 70 75 80
Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln His Ser Arg
85 90 95
Glu Leu Pro Leu Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
100 105 110

<210> 201
 <211> 111
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<220>
 <221> VARIANT
 <222> 60

735022000740SEQLIST

<223> Xaa = Any Amino Acid

<400> 201

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

<210> 202

<211> 111

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<220>

<221> VARIANT

<222> 60

<223> Xaa = Any Amino Acid

<400> 202

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

735022000740SEQLIST

<210> 203
 <211> 120
 <212> PRT
 <213> Mus musculus

<400> 203
 Gln Val Gln Leu Gln Gln Pro Gly Ser Glu Leu Val Arg Pro Gly Ala
 1 5 10 15
 Ser Val Lys Leu Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
 20 25 30
 Trp Met His Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile
 35 40 45
 Gly Asn Ile Tyr Pro Gly Ser Gly Ser Thr Tyr Tyr Asp Glu Lys Phe
 50 55 60
 Lys Ser Lys Ala Thr Leu Thr Val Asp Thr Ser Ser Gly Thr Ala Tyr
 65 70 75 80
 Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys
 85 90 95
 Thr Arg Gly His Tyr Gly Asn Tyr Leu Thr Phe Asp Tyr Trp Gly Gln
 100 105 110
 Gly Thr Thr Leu Thr Val Ser Ser
 115 120

<210> 204
 <211> 120
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 204
 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15
 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
 20 25 30
 Trp Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Ile
 35 40 45
 Gly Asn Ile Tyr Pro Gly Ser Gly Ser Thr Tyr Tyr Asp Gln Lys Phe
 50 55 60
 Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr
 65 70 75 80
 Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Thr Arg Gly His Tyr Gly Asn Tyr Leu Thr Phe Asp Tyr Trp Gly Gln
 100 105 110

735022000740SEQLIST

Gly Thr Leu Val Thr Val Ser Ser
 115 120

<210> 205

<211> 120

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 205

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

<210> 206

<211> 120

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 206

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

735022000740SEQLIST

Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ser	Lys	Asn	Thr	Leu	Tyr
65					70				75					80	
Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
			85					90					95		
Thr	Arg	Gly	His	Tyr	Gly	Asn	Tyr	Leu	Thr	Phe	Asp	Tyr	Trp	Gly	Gln
	100							105					110		
Gly	Thr	Leu	Val	Thr	Val	Ser	Ser								
	115						120								

<210> 207

<211> 120

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 207

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

<210> 208

<211> 120

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 208

Gln	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Val	Val	Gln	Pro	Gly	Arg
1				5				10						15	

735022000740SEQLIST

Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Tyr	Thr	Phe	Thr	Ser	Tyr
			20					25					30		
Trp	Met	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Ile
		35					40					45			
Gly	Asn	Ile	Tyr	Pro	Gly	Ser	Gly	Ser	Thr	Tyr	Tyr	Asp	Asp	Ser	Val
	50					55					60				
Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ser	Lys	Asn	Thr	Leu	Tyr
65					70				75					80	
Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
			85						90					95	
Thr	Arg	Gly	His	Tyr	Gly	Asn	Tyr	Leu	Thr	Phe	Asp	Tyr	Trp	Gly	Gln
		100						105					110		
Gly	Thr	Leu	Val	Thr	Val	Ser	Ser								
		115					120								

<210> 209

<211> 120

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 209

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

<210> 210

<211> 120

<212> PRT

<213> Artificial Sequence

735022000740SEQLIST

<220>

<223> Synthetic construct

<400> 210

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

<210> 211

<211> 120

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 211

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

735022000740SEQLIST

<210> 212
 <211> 120
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 212
 Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly
 1 5 10 15
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
 20 25 30
 Trp Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Ile
 35 40 45
 Gly Asn Ile Tyr Pro Gly Ser Gly Ser Thr Tyr Tyr Asp Ala Pro Val
 50 55 60
 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr Leu Tyr
 65 70 75 80
 Leu Gln Met Asn Ser Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Thr Arg Gly His Tyr Gly Asn Tyr Leu Thr Phe Asp Tyr Trp Gly Gln
 100 105 110
 Gly Thr Leu Val Thr Val Ser Ser
 115 120

<210> 213
 <211> 120
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 213
 Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
 1 5 10 15
 Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Tyr Thr Phe Thr Ser Tyr
 20 25 30
 Trp Met His Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Ile
 35 40 45
 Gly Asn Ile Tyr Pro Gly Ser Gly Ser Thr Tyr Tyr Asp Pro Ser Leu
 50 55 60
 Lys Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser
 65 70 75 80
 Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys

735022000740SEQLIST

				85					90				95			
Thr	Arg	Gly	His	Tyr	Gly	Asn	Tyr	Leu	Thr	Phe	Asp	Tyr	Trp	Gly	Gln	
			100					105					110			
Gly	Thr	Leu	Val	Thr	Val	Ser	Ser									
		115					120									

<210> 214
 <211> 108
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 214																
Ala	Ser	Thr	Lys	Gly	Pro	Ser	Val	Phe	Pro	Leu	Ala	Pro	Cys	Ser	Arg	
1				5				10					15			
Ser	Thr	Ser	Glu	Ser	Thr	Ala	Ala	Leu	Gly	Cys	Leu	Val	Lys	Asp	Tyr	
			20					25					30			
Phe	Pro	Glu	Pro	Val	Thr	Val	Ser	Trp	Asn	Ser	Gly	Ala	Leu	Thr	Ser	
		35					40					45				
Gly	Val	His	Thr	Phe	Pro	Ala	Val	Leu	Gln	Ser	Ser	Gly	Ser	Leu	Ser	
	50					55					60					
Ser	Val	Val	Thr	Val	Pro	Ser	Ser	Asn	Phe	Gly	Thr	Gln	Thr	Tyr	Thr	
65					70					75					80	
Cys	Asn	Val	Asp	His	Lys	Pro	Ser	Asn	Thr	Lys	Val	Asp	Lys	Thr	Val	
				85					90					95		
Glu	Arg	Lys	Cys	Cys	Val	Glu	Cys	Pro	Pro	Cys	Pro					
			100					105								

<210> 215
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 215																
Met	Glu	Val	Gly	Trp	Tyr	Arg	Ser	Pro	Phe	Ser	Arg	Val	Val	His	Leu	
1				5					10					15		
Tyr	Arg	Asn	Gly	Lys												
			20													

<210> 216

735022000740SEQLIST

<211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 216
 Gly Cys Ala Cys Thr Cys Ala Cys Ala Thr Cys Gly Cys Thr Ala Cys
 1 5 10 15
 Ala Thr Cys Ala
 20

<210> 217
 <211> 17
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 217
 ctagagtgcc agggatg 17

<210> 218
 <211> 21
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 218
 ctccactcac ggcaaattca a 21

<210> 219
 <211> 22
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 219
 gatgacaagc ttcccattct cg 22

<210> 220

735022000740SEQLIST

<211> 21
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic construct

 <400> 220
 ccgtcagccg atttgctatc t 21

 <210> 221
 <211> 22
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic construct

 <400> 221
 acggcagaga ggagggtgac tt 22

 <210> 222
 <211> 22
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic construct

 <400> 222
 acaacaaaaa agcctcgtgc tg 22

 <210> 223
 <211> 22
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic construct

 <400> 223
 ccattgaggt ggagagcttt ca 22

 <210> 224
 <211> 22
 <212> DNA
 <213> Artificial Sequence

735022000740SEQLIST

<220>

<223> Synthetic construct

<400> 224

ggcaaaccga aggtctacgt tc

22

<210> 225

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 225

tacctcattg gccagctgct t

21

<210> 226

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 226

aggacctggg ttggaagtgg

20

<210> 227

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 227

agttggcatg gtagcccttg

20

<210> 228

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 228

735022000740SEQLIST

Thr Leu Ser Ser Gln His Ser Thr Tyr Thr Ile Glu
1 5 10

<210> 229

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 229

Met Glu Leu Lys Lys Asp Gly Ser His Ser Thr Gly Asp
1 5 10

<210> 230

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 230

Gly Val Gly Asp Thr Ile Lys Glu Gln Phe Val Tyr Val
1 5 10

<210> 231

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 231

Lys Ala Ser Gly Tyr Thr Phe Thr Asp Tyr Asn Leu His
1 5 10

<210> 232

<211> 13

<212> PRT

<213> Artificial Sequence

735022000740SEQLIST

<220>

<223> Synthetic construct

<400> 232

Val Gly Ser Gly Phe Thr Phe Ser Asn Tyr Cys Met Asn
1 5 10

<210> 233

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 233

Val Ala Glu Ile Arg Leu Lys Ser Asn Asn Tyr Val Thr Asn Tyr Val
1 5 10 15
Tyr Cys

<210> 234

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 234

Asp Ile Val Leu Thr Gln Ser Pro Ala Ser Leu Ala Val Ser Leu Gly
1 5 10 15
Gln Arg Ala Thr Met Ser Cys
20

<210> 235

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 235

Gln Leu Val Leu Thr Gln Ser Ser Ser Ala Ser Phe Ser Leu Gly Ala

735022000740SEQLIST

1 5 10 15
Ser Ala Lys Leu Thr Cys
20

<210> 236
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 236
Trp Tyr Gln Gln Gln Pro Leu Lys Pro Pro Lys Tyr Val
1 5 10

<210> 237
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 237
Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Ala Asp Arg Tyr
1 5 10 15
Leu Ser Ile Ser Asn Ile Gln Pro Glu Asp Glu Ala Ile Tyr Ile Cys
20 25 30

<210> 238
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 238
Phe Gly Gly Gly Thr Lys Val Thr Val Leu
1 5 10

<210> 239
<211> 22

735022000740SEQLIST

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 239

Glu	Val	Gln	Leu	Gln	Gln	Ser	Gly	Pro	Glu	Leu	Val	Lys	Pro	Gly	Ala
1				5					10					15	
Ser	Val	Lys	Ile	Ser	Cys										
			20												

<210> 240

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 240

Glu	Val	Lys	Leu	Glu	Glu	Ser	Gly	Gly	Gly	Leu	Val	Gln	Pro	Gly	Gly
1				5					10					15	
Ser	Met	Lys	Leu	Ser	Cys										
			20												

<210> 241

<211> 109

<212> PRT

<213> Mus musculus

<400> 241

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

735022000740SEQLIST

<210> 242
 <211> 115
 <212> PRT
 <213> Mus musculus

<400> 242
 Gln Leu Val Leu Thr Gln Ser Ser Ser Ala Ser Phe Ser Leu Gly Ala
 1 5 10 15
 Ser Ala Lys Leu Thr Cys Thr Leu Ser Ser Gln His Ser Thr Tyr Thr
 20 25 30
 Ile Glu Trp Tyr Gln Gln Gln Pro Leu Lys Pro Pro Lys Tyr Val Met
 35 40 45
 Glu Leu Lys Lys Asp Gly Ser His Ser Thr Gly Asp Gly Ile Pro Asp
 50 55 60
 Arg Phe Ser Gly Ser Ser Ser Gly Ala Asp Arg Tyr Leu Ser Ile Ser
 65 70 75 80
 Asn Ile Gln Pro Glu Asp Glu Ala Ile Tyr Ile Cys Gly Val Gly Asp
 85 90 95
 Thr Ile Lys Glu Gln Phe Val Tyr Val Phe Gly Gly Gly Thr Lys Val
 100 105 110
 Thr Val Leu
 115

<210> 243
 <211> 109
 <212> PRT
 <213> Mus musculus

<400> 243
 Asp Ile Val Leu Thr Gln Ser Pro Ala Ser Leu Ala Val Ser Leu Gly
 1 5 10 15
 Gln Arg Ala Thr Met Ser Cys Arg Ala Ser Gln Ser Val Ser Thr Ser
 20 25 30
 Thr Tyr Ser Tyr Met His Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro
 35 40 45
 Lys Leu Leu Ile Lys Tyr Asn Leu Glu Ser Gly Val Pro Ala Arg Phe
 50 55 60
 Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Asn Ile His Pro Val
 65 70 75 80
 Glu Glu Glu Asp Thr Ala Thr Tyr Tyr Cys Gln His Ser Trp Glu Ile
 85 90 95
 Pro Leu Thr Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys
 100 105

735022000740SEQLIST

<210> 244

<211> 117

<212> PRT

<213> Mus musculus

<400> 244

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Glu Val Gln Leu Gln Gln Ser Gly Pro Glu Leu Val Lys Pro Gly Ala
 1          5          10          15
Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asp Tyr
 20          25          30
Asn Leu His Trp Val Lys Leu Ser His Gly Lys Ser Leu Glu Trp Ile
 35          40          45
Gly Phe Ile Tyr Pro Ser Asn Gly Ile Thr Gly Tyr Asn Gln Lys Phe
 50          55          60
Lys Asn Lys Ala Thr Leu Thr Val Asp Asn Ser Ser Ser Thr Ala Tyr
 65          70          75          80
Met Glu Leu Arg Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys
 85          90          95
Ala Arg Ser Thr Val Asp Tyr Phe Asp Tyr Trp Gly Gln Gly Thr Thr
 100          105          110
Leu Thr Val Ser Ser
 115

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<210> 245

<211> 120

<212> PRT

<213> Mus musculus

<400> 245

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Glu Val Lys Leu Glu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1          5          10          15
Ser Met Lys Leu Ser Cys Val Gly Ser Gly Phe Thr Phe Ser Asn Tyr
 20          25          30
Cys Met Asn Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val
 35          40          45
Ala Glu Ile Arg Leu Lys Ser Asn Asn Tyr Val Thr Asn Tyr Val Tyr
 50          55          60
Cys Glu Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys
 65          70          75          80
Ser Arg Val Tyr Leu Gln Met Asn Asn Leu Arg Gly Glu Asp Thr Gly
 85          90          95
Phe Tyr Thr Arg Asp Gly Tyr Tyr Val Pro Phe Ala Tyr Trp Gly Gln
 100          105          110
Gly Thr Leu Val Thr Val Ser Ala
 115          120

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735022000740SEQLIST

<210> 246
 <211> 117
 <212> PRT
 <213> Mus musculus

<400> 246
 Glu Val Gln Leu Gln Gln Ser Gly Pro Glu Leu Val Lys Pro Gly Ala
 1 5 10 15
 Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asp Tyr
 20 25 30
 Asn Leu His Trp Val Lys Leu Ser His Gly Lys Ser Leu Glu Trp Ile
 35 40 45
 Gly Phe Ile Tyr Pro Ser Asn Gly Ile Thr Gly Tyr Asn Gln Lys Phe
 50 55 60
 Lys Asn Lys Ala Thr Leu Thr Val Asp Asn Ser Ser Ser Thr Ala Tyr
 65 70 75 80
 Met Glu Leu Arg Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys
 85 90 95
 Ala Arg Ser Thr Val Asp Tyr Phe Asp Tyr Trp Gly Gln Gly Thr Thr
 100 105 110
 Leu Thr Val Ser Ser
 115

<210> 247
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<220>
 <221> VARIANT
 <222> 1
 <223> Xaa = D or E

<220>
 <221> VARIANT
 <222> 2, 3
 <223> Xaa = Any Amino Acid and up to 2 of them can be
 present or absent

<220>
 <221> VARIANT
 <222> 5, 6
 <223> Xaa = Any Amino Acid

735022000740SEQLIST

<220>

<221> VARIANT

<222> 7

<223> Xaa = L or I

<220>

<221> VARIANT

<222> 8, 9, 10, 11, 12, 13, 14, 15

<223> Xaa = Any Amino Acid and up to 2 of them can be present or absent

<220>

<221> VARIANT

<222> 17, 18

<223> Xaa = Any Amino Acid

<220>

<221> VARIANT

<222> 19

<223> Xaa = L or I

<400> 247

Xaa	Xaa	Xaa	Tyr	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Tyr
1				5				10						15	
Xaa	Xaa	Xaa													

<210> 248

<211> 446

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 248

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

735022000740SEQLIST

				85				90					95			
Val	Asn	Gly	Asn	Pro	Trp	Leu	Ala	Tyr	Trp	Gly	Gln	Gly	Thr	Leu	Val	
			100					105					110			
Thr	Val	Ser	Ser	Ala	Ser	Thr	Lys	Gly	Pro	Ser	Val	Phe	Pro	Leu	Ala	
		115					120					125				
Pro	Ser	Ser	Lys	Ser	Thr	Ser	Gly	Gly	Thr	Ala	Ala	Leu	Gly	Cys	Leu	
	130					135					140					
Val	Lys	Asp	Tyr	Phe	Pro	Glu	Pro	Val	Thr	Val	Ser	Trp	Asn	Ser	Gly	
145					150					155					160	
Ala	Leu	Thr	Ser	Gly	Val	His	Thr	Phe	Pro	Ala	Val	Leu	Gln	Ser	Ser	
			165					170						175		
Gly	Leu	Tyr	Ser	Leu	Ser	Ser	Val	Val	Thr	Val	Pro	Ser	Ser	Ser	Leu	
		180						185					190			
Gly	Thr	Gln	Thr	Tyr	Ile	Cys	Asn	Val	Asn	His	Lys	Pro	Ser	Asn	Thr	
	195					200						205				
Lys	Val	Asp	Lys	Lys	Val	Glu	Pro	Lys	Ser	Cys	Asp	Lys	Thr	His	Thr	
	210					215					220					
Cys	Pro	Pro	Cys	Pro	Ala	Pro	Glu	Leu	Leu	Gly	Gly	Pro	Ser	Val	Phe	
225					230					235					240	
Leu	Phe	Pro	Pro	Lys	Pro	Lys	Asp	Thr	Leu	Met	Ile	Ser	Arg	Thr	Pro	
			245					250						255		
Glu	Val	Thr	Cys	Val	Val	Val	Asp	Val	Ser	His	Glu	Asp	Pro	Glu	Val	
		260						265					270			
Lys	Phe	Asn	Trp	Tyr	Val	Asp	Gly	Val	Glu	Val	His	Asn	Ala	Lys	Thr	
	275					280						285				
Lys	Pro	Arg	Glu	Glu	Gln	Tyr	Asn	Ser	Thr	Tyr	Arg	Val	Val	Ser	Val	
	290					295					300					
Leu	Thr	Val	Leu	His	Gln	Asp	Trp	Leu	Asn	Gly	Lys	Glu	Tyr	Lys	Cys	
305					310					315					320	
Lys	Val	Ser	Asn	Lys	Ala	Leu	Pro	Ala	Pro	Ile	Glu	Lys	Thr	Ile	Ser	
			325					330						335		
Lys	Ala	Lys	Gly	Gln	Pro	Arg	Glu	Pro	Gln	Val	Tyr	Thr	Leu	Pro	Pro	
		340						345					350			
Ser	Arg	Asp	Glu	Leu	Thr	Lys	Asn	Gln	Val	Ser	Leu	Thr	Cys	Leu	Val	
	355					360						365				
Lys	Gly	Phe	Tyr	Pro	Ser	Asp	Ile	Ala	Val	Glu	Trp	Glu	Ser	Asn	Gly	
	370					375				380						
Gln	Pro	Glu	Asn	Asn	Tyr	Lys	Thr	Thr	Pro	Pro	Val	Leu	Asp	Ser	Asp	
385					390					395					400	
Gly	Ser	Phe	Phe	Leu	Tyr	Ser	Lys	Leu	Thr	Val	Asp	Lys	Ser	Arg	Trp	
			405					410						415		
Gln	Gln	Gly	Asn	Val	Phe	Ser	Cys	Ser	Val	Met	His	Glu	Ala	Leu	His	
		420						425				430				
Asn	His	Tyr	Thr	Gln	Lys	Ser	Leu	Ser	Leu	Ser	Pro	Gly	Lys			
		435					440					445				

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<211> 163
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 249

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

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<210> 250
 <211> 446
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 250

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

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Lys Ser Lys Ala Thr Ile Thr Ala Asp Glu Ser Thr Asn Thr Ala Tyr
 65 70 75 80
 Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Ala Arg Gly Arg Pro Ala Met Asp Tyr Trp Gly Gln Gly Thr Leu Val
 100 105 110
 Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala
 115 120 125
 Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu
 130 135 140
 Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly
 145 150 155 160
 Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser
 165 170 175
 Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu
 180 185 190
 Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr
 195 200 205
 Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr
 210 215 220
 Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe
 225 230 235 240
 Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro
 245 250 255
 Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val
 260 265 270
 Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr
 275 280 285
 Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val
 290 295 300
 Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys
 305 310 315 320
 Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser
 325 330 335
 Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro
 340 345 350
 Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val
 355 360 365
 Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly
 370 375 380
 Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp
 385 390 395 400
 Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp
 405 410 415
 Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His
 420 425 430
 Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
 435 440 445

735022000740SEQLIST

<210> 251
 <211> 163
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 251
 Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
 1 5 10 15
 Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Glu Ser Val Asp Asn Tyr
 20 25 30
 Gly Ile Ser Phe Met Asn Trp Phe Gln Gln Lys Pro Gly Lys Ala Pro
 35 40 45
 Lys Leu Leu Ile Tyr Ala Ala Ser Asn Gln Gly Ser Gly Val Pro Ser
 50 55 60
 Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser
 65 70 75 80
 Ser Leu Gln Pro Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Lys
 85 90 95
 Glu Val Pro Trp Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
 100 105 110
 Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln
 115 120 125
 Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr
 130 135 140
 Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser
 145 150 155 160
 Gly Asn Ser