

SEQUENCE LISTING

<110> PAPANICOLOAU, Irene

<120> Encapsulation of biologically active agents

<130> PB63616

<150> US61/050775

<151> 2008-05-06

<150> US61/074171

<151> 2008-06-20

<160> 15

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 462

<212> PRT

<213> Artificial Sequence

<220>

<223> Humanised sequence of mus musculus and homo sapiens

<400> 1

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

PhoenixTemp12222.tmp.txt

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Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val
305                               310           315           320
Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys
                               325           330           335
Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser
                               340           345           350
Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro
                               355           360           365
Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val
                               370           375           380
Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly
385                               390           395           400
Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Val Leu Asp Ser Asp
                               405           410           415
Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp
                               420           425           430
Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His
                               435           440           445
Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
                               450           455           460

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<210> 2

<211> 238

<212> PRT

<213> Artificial Sequence

<220>

<223> Humanised sequence of mus musculus and homo sapiens

<400> 2

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

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<210> 3

<211> 1389

<212> DNA

<213> Artificial Sequence

<220>

<223> Humanised sequence of mus musculus and homo sapiens

<400> 3

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gtgcagctgg tgcaaggcat ctggatacac cttcaccagc tactggatgc actgggtgcg acaggcccct 120
tgcaaggcat ctggatacac cttcaccagc tactggatgc actgggtgcg acaggcccct 180
ggacaagggc ttgagtggat cggaaatatt aatcctagca atgggtgtac taactacaat 240
gagaagttca agagcaaggc caccatgacc agggacacgt ccacgagcac agcctacatg 300
gagctgagca gcctgagatc tgaggacacg gccgtgtatt actgtgaact gatgcagggc 360
tactggggcc aggggaacact agtcacagtc tcctcagcct ccaccaaggg cccatcggtc 420
ttccccctgg caccctcctc caagagcacc tctgggggca cagcggccct gggctgcctg 480
gtcaaggact acttccccga accggtgacg gtgtcgtgga actcaggcgc cctgaccagc 540
ggcgtgcaca ccttccccgc tgtctacag tcctcaggac tctactccct cagcagcgtg 600
gtgaccgtgc cctccagcag cttgggcacc cagacctaca tctgcaacgt gaatcacaag 660
cccagcaaca ccaaggtgga caagaaagtt gagcccaaat cttgtgacaa aactcacaca 720
tgcccaccgt gcccagcacc tgaactcgcg ggggcaccgt cagtcttctt cttcccccca 780
aaacccaagg acaccctcat gatctcccgg acccctgagg tcacatgcgt ggtggtggac 840
gtgagccacg aagaccctga ggtcaagtgc aactggtacg tggacggcgt ggaggtgcat 900
aatgccaaga caaagccgcg ggaggagcag tacaacagca cgtaccgtgt ggtcagcgtc 960
ctcaccgtcc tgcaccagga ctggctgaat ggcaaggagt acaagtgcaa ggtctccaac 1020
aaagccctcc cagcccccat cgagaaaacc atctccaaag ccaaagggca gccccgagaa 1080
ccacaggtgt acaccctgcc cccatccccg gatgagctga ccaagaacca ggtcagcctg 1140
acctgcctgg tcaaaggctt ctatccagc gacatcgccg tggagtggga gagcaatggg 1200
cagccggaga acaactacaa gaccacgcct cccgtgctgg actccgacgg ctccttcttc 1260
ctctacagca agctcaccgt ggacaagagc aggtggcagc aggggaacgt cttctcatgc 1320
tccgtgatgc atgaggctct gcacaaccac tacacgcaga agagcctctc cctgtctccg 1380
ggtaaatga 1389

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<210> 4

<211> 717

<212> DNA

<213> Artificial Sequence

<220>

<223> Humanised sequence of mus musculus and homo sapiens

<400> 4

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atgggatgga gctgtatcat cctcttcttg gtagcaacag ctacaggtgt ccaactccgat 60
attgtgatga cccagctctc actctccaac cccgtcacc ttggacagcc ggtctccatc 120
tcctgcaggc ctagtaagag tctcctatat aaggatggga agacatactt gaattggttt 180
ctccagaggc caggccaatc tccacagctc ctaatttatt tgatgtccac ccgtgcattc 240
ggggtcccag acagattcag cggcgggtgg tcaggcactg atttcacact gaaaatcagc 300
aggggtggagg ctgaggatgt tggggtttat tactgccaac aacttgtaga gtatccgctc 360
acgtttggcc aggggaccaa gctggagatc aaacgtacgg tggctgcacc atctgtcttc 420
atcttcccgc catctgatga gcagttgaaa tctggaactg cctctgttgt gtgcctgctg 480
aataaacttct atcccagaga ggccaaagta cagtgggaagg tggacaacgc cctccaatcg 540
ggtaactccc aggagagtgt cacagagcag gacagcaagg acagcaccta cagcctcagc 600
agcaccctga cgctgagcaa agcagactac gagaaacaca aagtctacgc ctgcgaagtc 660
acccatcagg gcctgagctc gcccgtcaca aagagcttca acaggggaga gtgttag 717

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<210> 5

<211> 445

<212> PRT

<213> Artificial Sequence

<220>

<223> Humanised sequence of mus musculus and homo sapiens

<400> 5

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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 Val Ser Gly Phe Thr Phe Ser Asp Asn
20           25           30

```

PhoenixTemp12222.tmp.txt

Gly	Met	Ala	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Val
	35						40					45			
Ser	Phe	Ile	Ser	Asn	Leu	Ala	Tyr	Ser	Ile	Asp	Tyr	Ala	Asp	Thr	Val
	50					55					60				
Thr	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	
Val	Ser	Gly	Thr	Trp	Phe	Ala	Tyr	Trp	Gly	Gln	Gly	Thr	Leu	Val	Thr
			100					105					110		
Val	Ser	Ser	Ala	Ser	Thr	Lys	Gly	Pro	Ser	Val	Phe	Pro	Leu	Ala	Pro
		115					120					125			
Ser	Ser	Lys	Ser	Thr	Ser	Gly	Gly	Thr	Ala	Ala	Leu	Gly	Cys	Leu	Val
	130					135					140				
Lys	Asp	Tyr	Phe	Pro	Glu	Pro	Val	Thr	Val	Ser	Trp	Asn	Ser	Gly	Ala
145					150					155					160
Leu	Thr	Ser	Gly	Val	His	Thr	Phe	Pro	Ala	Val	Leu	Gln	Ser	Ser	Gly
			165						170						175
Leu	Tyr	Ser	Leu	Ser	Ser	Val	Val	Thr	Val	Pro	Ser	Ser	Ser	Leu	Gly
			180						185					190	
Thr	Gln	Thr	Tyr	Ile	Cys	Asn	Val	Asn	His	Lys	Pro	Ser	Asn	Thr	Lys
		195					200						205		
Val	Asp	Lys	Lys	Val	Glu	Pro	Lys	Ser	Cys	Asp	Lys	Thr	His	Thr	Cys
	210					215					220				
Pro	Pro	Cys	Pro	Ala	Pro	Glu	Leu	Ala	Gly	Ala	Pro	Ser	Val	Phe	Leu
225					230					235					240
Phe	Pro	Pro	Lys	Pro	Lys	Asp	Thr	Leu	Met	Ile	Ser	Arg	Thr	Pro	Glu
			245						250					255	
Val	Thr	Cys	Val	Val	Val	Asp	Val	Ser	His	Glu	Asp	Pro	Glu	Val	Lys
			260					265					270		
Phe	Asn	Trp	Tyr	Val	Asp	Gly	Val	Glu	Val	His	Asn	Ala	Lys	Thr	Lys
		275					280					285			
Pro	Arg	Glu	Glu	Gln	Tyr	Asn	Ser	Thr	Tyr	Arg	Val	Val	Ser	Val	Leu
	290					295					300				
Thr	Val	Leu	His	Gln	Asp	Trp	Leu	Asn	Gly	Lys	Glu	Tyr	Lys	Cys	Lys
305					310					315					320
Val	Ser	Asn	Lys	Ala	Leu	Pro	Ala	Pro	Ile	Glu	Lys	Thr	Ile	Ser	Lys
			325						330					335	
Ala	Lys	Gly	Gln	Pro	Arg	Glu	Pro	Gln	Val	Tyr	Thr	Leu	Pro	Pro	Ser
			340					345					350		
Arg	Asp	Glu	Leu	Thr	Lys	Asn	Gln	Val	Ser	Leu	Thr	Cys	Leu	Val	Lys
		355					360					365			
Gly	Phe	Tyr	Pro	Ser	Asp	Ile	Ala	Val	Glu	Trp	Glu	Ser	Asn	Gly	Gln
	370					375					380				
Pro	Glu	Asn	Asn	Tyr	Lys	Thr	Thr	Pro	Pro	Val	Leu	Asp	Ser	Asp	Gly
385					390					395					400
Ser	Phe	Phe	Leu	Tyr	Ser	Lys	Leu	Thr	Val	Asp	Lys	Ser	Arg	Trp	Gln
			405						410					415	
Gln	Gly	Asn	Val	Phe	Ser	Cys	Ser	Val	Met	His	Glu	Ala	Leu	His	Asn
		420						425					430		
His	Tyr	Thr	Gln	Lys	Ser	Leu	Ser	Leu	Ser	Pro	Gly	Lys			
	435						440					445			

<210> 6

<211> 219

<212> PRT

<213> Artificial Sequence

<220>

<223> Humanised sequence of mus musculus and homo sapiens

<400> 6

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	Val	Ser	Gln	Ser	Leu	Leu	His	Ser
			20					25					30		

PhoenixTemp12222.tmp.txt

```

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

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<210> 7

<211> 442

<212> PRT

<213> Artificial Sequence

<220>

<223> Humanised sequence of mus musculus and homo sapiens

<400> 7

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

```

PhoenixTemp12222.tmp.txt

Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp
 260 265 270
 Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu
 275 280 285
 Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu
 290 295 300
 His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn
 305 310 315 320
 Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly
 325 330 335
 Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu
 340 345 350
 Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr
 355 360 365
 Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn
 370 375 380
 Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe
 385 390 395 400
 Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn
 405 410 415
 Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr
 420 425 430
 Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
 435 440

<210> 8

<211> 218

<212> PRT

<213> Artificial Sequence

<220>

<223> Humanised sequence of mus musculus and homo sapiens

<400> 8

Asp Ile Val Met Thr Gln Ser Pro Leu Ser Asn Pro Val Thr Pro Gly
 1 5 10 15
 Glu Pro Ala Ser Ile Ser Cys Arg Ser Ser Lys Ser Leu Leu His Arg
 20 25 30
 Asn Gly Ile Thr Tyr Leu Tyr Trp Tyr Leu Gln Lys Pro Gly Gln Ser
 35 40 45
 Pro Gln Leu Leu Ile Tyr Gln Met Ser Asn Leu Ala Ser Gly Val Pro
 50 55 60
 Asp Arg Phe Ser Ser Ser Gly Ser Gly Thr Asp Phe Thr Leu Lys Ile
 65 70 75 80
 Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Ala Gln Asn
 85 90 95
 Leu Glu Leu 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 Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr
 165 170 175
 Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys
 180 185 190
 His Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro
 195 200 205
 Val Thr Lys Ser Phe Asn Arg Gly Glu Cys
 210 215

<210> 9

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Humanised sequence of mus musculus and homo sapiens

<400> 9

Tyr Ala Gly Phe Leu Arg
1 5

<210> 10

<211> 130

<212> PRT

<213> Artificial Sequence

<220>

<223> Humanised sequence of mus musculus and homo sapiens

<400> 10

Glu	Val	Gln	Leu	Leu	Val	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	Lys	Ala	Tyr		
			20					25					30				
Pro	Met	Met	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Val		
		35					40					45					
Ser	Glu	Ile	Ser	Pro	Ser	Gly	Ser	Tyr	Thr	Tyr	Tyr	Ala	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	Lys	Asp	Pro	Arg	Lys	Leu	Asp	Tyr	Trp	Gly	Gln	Gly	Thr	Leu	Val		
			100				105						110				
Thr	Val	Ser	Ser	Ala	Ala	Ala	Glu	Gln	Lys	Leu	Ile	Ser	Glu	Glu	Asp		
		115					120						125				
Leu	Asn																
	130																

<210> 11

<211> 115

<212> PRT

<213> Artificial Sequence

<220>

<223> Humanised sequence of mus musculus and homo sapiens

<400> 11

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

<210> 12
 <211> 126
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Humanised sequence of mus musculus and homo sapiens

<400> 12
 Gln Val Gln Leu Val Gln Ser Gly Ser Glu Leu Lys Lys Pro Gly Ala
 1 5 10 15
 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr
 20 25 30
 Gly Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45
 Gly Trp Ile Asn Thr Tyr Thr Gly Glu Pro Thr Tyr Ala Asp Asp Phe
 50 55 60
 Thr Gly Arg Phe Val Phe Ser Leu Asp Thr Ser Val Ser Thr Ala Tyr
 65 70 75 80
 Leu Gln Ile Ser Ser Leu Lys Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Ala Arg Asn Pro Ile Asn Tyr Tyr Gly Ile Asn Tyr Glu Gly Tyr Val
 100 105 110
 Met Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
 115 120 125

<210> 13
 <211> 1335
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Humanised sequence of mus musculus and homo sapiens

<400> 13
 gaggtgcagc tgggtggagtc tggggggaggc ttggtacagc ctgggggggtc cctgagactc 60
 tcctgtgcag tctctggatt caccttcagt gacaacggaa tggcgtgggt ccgccaggct 120
 ccagggaagg ggctggagtg ggtttcattc attagtaatt tggcatatag tctcgactac 180
 gcagacactg tgacggggccg attcaccatc tccagagaca atgccaagaa ctcactgtat 240
 ctgcaaatga acagcctgag agccgaggac acggctgtgt attactgtgt cagcgggacc 300
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