

SEQUENCE LISTING

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Schröder, Heinz

<120> USE OF SILINTAPHIN FOR THE STRUCTURE-DIRECTED FABRICATION OF
(NANO)COMPOSITE MATERIALS IN MEDICINE AND (NANO)TECHNOLOGY

<130> M31847PCT

<150> EP0905849,6

<151> 2009-04-27

<160> 10

<170> PatentIn version 3.4

<210> 1

<211> 386

<212> PRT

<213> Suberites domuncula

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Pro Ala Ser Thr Glu Glu Thr Pro Ala Glu Thr Pro Ala Thr Thr Glu
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Thr Thr Glu Pro Ala Ala Asp Asp Gln Pro Ala Val Thr Glu Val Thr
35 40 45

Glu Val Thr Glu Thr Pro Ala Glu Pro Thr Pro Glu Ala Thr Thr Glu
50 55 60

Glu Pro Lys Ala Glu Glu Lys Lys Glu Glu Val Lys Gln Lys Pro Lys
65 70 75 80

Lys Glu Pro Lys Pro Ala Pro Asp Tyr Arg Thr Thr Lys Ser Gly Trp
85 90 95

Val Gln Lys Gln Gly Leu Leu Phe Lys Lys Trp Gln Arg Gln Phe Met
100 105 110

Thr Leu Asp Glu Glu Asp Ser Val Leu Arg Trp Trp Lys Ser Glu Gln
115 120 125

Arg Thr Gly Ser Asp Gly Ala Leu Tyr Met Lys Phe Cys Val Gly Val
130 135 140

Ser Asp Pro Lys Ala Glu Thr Thr Thr Thr Trp Pro Asp Asp Thr Ala

145		150		155		160
Asp	Arg	Cys	Phe	Val	Val	Cys
			165			170
						175
Ala	Glu	Ser	Gln	Glu	Asp	Lys
			180			185
						190
Ala	Lys	Asp	Lys	His	Asn	Thr
		195				200
						205
Leu	Ile	Ser	Val	Glu	Gly	Ile
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						220
Asp	Leu	Asp	Lys	Thr	Val	Lys
225					230	
						235
						240
Thr	Glu	Glu	Leu	Leu	Gln	Leu
				245		250
						255
Val	Glu	Glu	Lys	Lys	Thr	Glu
			260			265
						270
Ala	Pro	Ala	Glu	Ala	Glu	Gly
		275				280
						285
Val	Glu	Thr	Pro	Ala	Glu	Glu
	290				295	
						300
Glu	Pro	Pro	Lys	Glu	Glu	Thr
305				310		315
						320
Thr	Pro	Ala	Glu	Glu	Pro	Pro
			325			330
						335
Pro	Lys	Glu	Glu	Thr	Pro	Ala
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						350
Ala	Glu	Asp	Pro	Pro	Lys	Glu
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Glu	Asp					
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<211> 1611
<212> DNA
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cccagtagaa cagcccacag ctgaggagac gccagcctct acagaggaga caccagcaga 180
gaccccagct accactgaaa caacagagcc agctgctgat gaccagcctg ctgtcacaga 240
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ccttaattct gatttagaaa cttttctgta cattgagcag ttttactcca cttttagtgt 1560
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<212> DNA
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<210> 5
<211> 47
<212> DNA
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<210> 6
<211> 102
<212> PRT
<213> Homo sapiens

<400> 6

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

<210> 7
<211> 101
<212> PRT

<213> Canis familiares

<400> 7

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20 25 30

Cys Glu Gln Asp Arg Glu Pro Leu Arg Thr Ile Phe Leu Lys Asp Val
35 40 45

Leu Lys Thr His Glu Cys Leu Val Lys Ser Gly Asp Leu Leu Met Arg
50 55 60

Asp Asn Leu Phe Glu Ile Ile Thr Ser Ser Arg Thr Phe Tyr Ile Gln
65 70 75 80

Ala Asp Ser Pro Glu Asp Met His Ser Trp Ile Lys Glu Ile Gly Ala
85 90 95

Ala Val Gln Ala Leu
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<210> 8

<211> 100

<212> PRT

<213> Xenopus laevis

<400> 8

Val Ile Lys Ala Gly Tyr Cys Val Lys Gln Gly Ala Val Met Lys Asn
1 5 10 15

Trp Lys Arg Arg Tyr Phe Val Leu Asp Glu Asn Thr Ile Gly Tyr Phe
20 25 30

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

Val Gln Lys Val Gln Glu Cys Lys Gln Ser Asp Asn Met Leu Arg Asp
50 55 60

Asn Leu Leu Glu Ile Val Thr Thr Phe Arg Thr Phe Phe Val Gln Ala
65 70 75 80

Asp Ser Pro Asp Glu Met His Ser Trp Ile Arg Ala Ile Ser Gly Ala
85 90 95

Ile Val Ala Gln
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<210> 9
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<212> PRT
<213> Branchiostoma belcheri

<400> 9

Ala Ser Lys Glu Gly Tyr Leu Thr Lys Gln Gly Phe Asn Phe Lys Ser
1 5 10 15

Trp Lys Thr Arg Trp Phe Val Leu Lys Gly Asn Glu Met Lys Tyr Phe
20 25 30

Arg Ala Arg Leu Asp Thr Asp Ala Leu Arg Val Leu Asp Leu Asn Thr
35 40 45

Cys Thr Gly Val Ala Pro Asp Phe Thr Gln Asn Lys Ser Asn Cys Phe
50 55 60

Ser Leu Thr Phe Pro Gly Arg Thr Phe Tyr Met Tyr Ala Asn Thr Gln
65 70 75 80

Glu Glu Ala Asn Glu Trp Ile Lys Leu Leu Lys Trp Lys Leu Glu His
85 90 95

Lys

<210> 10
<211> 91
<212> PRT
<213> Entamoeba dispar

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1 5 10 15

Trp Lys Lys Arg Trp Cys Val Leu Thr Pro Thr Gly Met Ile Phe Tyr
20 25 30

Phe Lys Asp Lys Lys Asp Val Asn Ser Lys Gly Cys Val Asp Val Asn
35 40 45

Ser Ala Ser Asp Val Leu Leu Glu Asp Glu Lys Lys Lys Asn Cys Phe
50 55 60

Gly Ile Val Thr Pro Asn Arg Thr Phe Phe Met Ala Ala Glu Ser Lys

65

70

75

80

Ala Glu Arg Asp Ser Trp Ile Gln Ala Val Ser
85 90