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<120> Synthetische repetitive Proteine, deren Herstellung und Verwendung

<130> PF59335

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<170> PatentIn version 3.1

<210> 1

<211> 1680

<212> DNA

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<223> Gen für repetitives R16 Protein

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<221> CDS

<222> (1)..(1680)

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Gln Gly Gln Gly Gln Gly Gln Gly Gln Gly Gly Arg Pro Ser Asp Thr	
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Tyr Gly Pro Gly Ser Ser Ala Ala Ala Ala Ala Ala Ala Ser Gly	
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Pro Gly Gln Gly Gln Gly Gln Gly Gln Gly Gln Gly Gly Arg Pro Ser	
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gac acc tac ggc ccg ggt tct agc gcg gct gca gcc gcg gca gct gcg	288
Asp Thr Tyr Gly Pro Gly Ser Ser Ala Ala Ala Ala Ala Ala Ala	
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tcc ggc ccg ggt cag ggc cag ggt cag ggt caa ggc cag ggt ggc cgt	336
Ser Gly Pro Gly Gln Gly Gln Gly Gln Gly Gln Gly Gln Gly Gly Arg	
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Pro Ser Asp Thr Tyr Gly Pro Gly Ser Ser Ala Ala Ala Ala Ala	
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Ala Ala Ser Gly Pro Gly Gln Gly Gln Gly Gln Gly Gln Gly Gln Gly	

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Ala Ala Ser Gly Pro Gly Gln Gly Gln Gly Gln Gly Gln Gly Gln Gly	
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Gln Gly Gly Arg Pro Ser Asp Thr Tyr Gly Pro Gly Ser Ser Ala Ala	
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 35 40 45

Tyr Gly Pro Gly Ser Ser Ala Ala Ala Ala Ala Ala Ala Ala Ser Gly
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Pro Gly Gln Gly Gln Gly Gln Gly Gln Gly Gln Gly Gly Arg Pro Ser
 65 70 75 80

Asp Thr Tyr Gly Pro Gly Ser Ser Ala Ala Ala Ala Ala Ala Ala Ala
 85 90 95

Ser Gly Pro Gly Gln Gly Gln Gly Gln Gly Gln Gly Gln Gly Gly Arg
 100 105 110

Pro Ser Asp Thr Tyr Gly Pro Gly Ser Ser Ala Ala Ala Ala Ala Ala
 115 120 125

Ala Ala Ser Gly Pro Gly Gln Gly Gln Gly Gln Gly Gln Gly Gln Gly
 130 135 140

Gly Arg Pro Ser Asp Thr Tyr Gly Pro Gly Ser Ser Ala Ala Ala Ala
 145 150 155 160

Ala Ala Ala Ala Ser Gly Pro Gly Gln Gly Gln Gly Gln Gly Gln Gly
 165 170 175

Gln Gly Gly Arg Pro Ser Asp Thr Tyr Gly Pro Gly Ser Ser Ala Ala
 180 185 190

Ala Ala Ala Ala Ala Ala Ser Gly Pro Gly Gln Gly Gln Gly Gln Gly
 195 200 205

Gln Gly Gln Gly Gly Arg Pro Ser Asp Thr Tyr Gly Pro Gly Ser Ser
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Ala Ala Ala Ala Ala Ala Ala Ala Ser Gly Pro Gly Gln Gly Gln Gly
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Gln Gly Gln Gly Gln Gly Gly Arg Pro Ser Asp Thr Tyr Gly Pro Gly
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 260 265 270

Gln Gly Gln Gly Gln Gly Gln Gly Gly Arg Pro Ser Asp Thr Tyr Gly
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Pro Gly Ser Ser Ala Ala Ala Ala Ala Ala Ala Ser Gly Pro Gly
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Gln Gly Gln Gly Gln Gly Gln Gly Gln Gly Gly Arg Pro Ser Asp Thr
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Tyr Gly Pro Gly Ser Ser Ala Ala Ala Ala Ala Ala Ala Ser Gly
325 330 335

Pro Gly Gln Gly Gln Gly Gln Gly Gln Gly Gln Gly Gly Arg Pro Ser
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Asp Thr Tyr Gly Pro Gly Ser Ser Ala Ala Ala Ala Ala Ala Ala Ala
355 360 365

Ser Gly Pro Gly Gln Gly Gln Gly Gln Gly Gln Gly Gln Gly Gly Arg
370 375 380

Pro Ser Asp Thr Tyr Gly Pro Gly Ser Ser Ala Ala Ala Ala Ala Ala
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Gly Arg Pro Ser Asp Thr Tyr Gly Pro Gly Ser Ser Ala Ala Ala Ala
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Ala Ala Ala Ala Ser Gly Pro Gly Gln Gly Gln Gly Gln Gly Gln Gly
435 440 445

Gln Gly Gly Arg Pro Ser Asp Thr Tyr Gly Pro Gly Ser Ser Ala Ala
450 455 460

Ala Ala Ala Ala Ala Ala Ser Gly Pro Gly Gln Gly Gln Gly Gln Gly
465 470 475 480

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Ala Ala Ala Ala Ala Ala Ala Ala Ser Gly Pro Gly Gln Gly Gln Gly
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Gln Gly Gln Gly Gln Gly Gly Arg Pro Ser Asp Thr Tyr Gly Pro Gly
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Ser Ala Ala Ala Ala Ala Ala Ala Ala Gly Pro Gly Gly Gly Asn Gly
20 25 30
ggc cgt ccg tct gac acc tac ggt gcg ccg ggt ggc ggt aac ggt ggc 144
Gly Arg Pro Ser Asp Thr Tyr Gly Ala Pro Gly Gly Gly Asn Gly Gly
35 40 45
cgt cct tct tcc tct tac ggt tct gcg gct gca gcc gcg gca gct gcg 192
Arg Pro Ser Ser Ser Tyr Gly Ser Ala Ala Ala Ala Ala Ala Ala
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ggt ccg ggc ggt ggc aac ggt ggc cgt ccg tct gac acc tac ggt gcg 240
Gly Pro Gly Gly Gly Asn Gly Gly Arg Pro Ser Asp Thr Tyr Gly Ala
65 70 75 80
ccg ggt ggc ggt aac ggt ggc cgt cct tct tcc tct tac ggt tct gcg 288
Pro Gly Gly Gly Asn Gly Gly Arg Pro Ser Ser Ser Tyr Gly Ser Ala
85 90 95
gct gca gcc gcg gca gct gcg ggt ccg ggc ggt ggc aac ggt ggc cgt 336
Ala Ala Ala Ala Ala Ala Ala Gly Pro Gly Gly Gly Asn Gly Gly Arg
100 105 110
ccg tct gac acc tac ggt gcg ccg ggt ggc ggt aac ggt ggc cgt cct 384
Pro Ser Asp Thr Tyr Gly Ala Pro Gly Gly Gly Asn Gly Gly Arg Pro
115 120 125
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gcc	gcg	gca	gct	gcg	ggt	ccg	ggc	ggt	ggc	aac	ggt	ggc	cgt	ccg	tct	576
Ala	Ala	Ala	Ala	Ala	Gly	Pro	Gly	Gly	Gly	Asn	Gly	Gly	Arg	Pro	Ser	
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gac	acc	tac	ggt	gcg	ccg	ggt	ggc	ggt	aac	ggt	ggc	cgt	cct	tct	tcc	624
Asp	Thr	Tyr	Gly	Ala	Pro	Gly	Gly	Gly	Asn	Gly	Gly	Arg	Pro	Ser	Ser	
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tct	tac	ggt	tct	gcg	gct	gca	gcc	gcg	gca	gct	gcg	ggt	ccg	ggc	ggt	672
Ser	Tyr	Gly	Ser	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Gly	Pro	Gly	
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aac	ggt	ggc	cgt	cct	tct	tcc	tct	tac	ggt	tct	gcg	gct	gca	gcc	gcg	768
Asn	Gly	Gly	Arg	Pro	Ser	Ser	Ser	Tyr	Gly	Ser	Ala	Ala	Ala	Ala	Ala	
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Tyr	Gly	Ala	Pro	Gly	Gly	Gly	Asn	Gly	Gly	Arg	Pro	Ser	Ser	Ser	Tyr	
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ggc	cgt	cct	tct	tcc	tct	tac	ggt	tct	gcg	gct	gca	gcc	gcg	gca	gct	1008
Gly	Arg	Pro	Ser	Ser	Ser	Tyr	Gly	Ser	Ala	Ala	Ala	Ala	Ala	Ala	Ala	
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Gly Pro Gly Gly Gly Asn Gly Gly Arg Pro Ser Asp Thr Tyr Gly Ala
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Pro Gly Gly Gly Asn Gly Gly Arg Pro Ser Ser Ser Tyr Gly Ser Ala
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Ala Ala Ala Ala Ala Ala Ala Gly Pro Gly Gly Gly Asn Gly Gly Arg
100 105 110

Pro Ser Asp Thr Tyr Gly Ala Pro Gly Gly Gly Asn Gly Gly Arg Pro
115 120 125

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130 135 140

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Ala Ala Ala Ala Ala Gly Pro Gly Gly Gly Asn Gly Gly Arg Pro Ser

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Ala Ala Ala Ala Ala Ala Gly Pro Gly Gly Gly Asn Gly Gly Arg Pro
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Ser Asp Thr Tyr Gly Ala Pro Gly Gly Gly Asn Gly Gly Arg Pro Ser
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Ser Ser Tyr Gly Ser Ala Ala Ala Ala Ala Ala Ala Ala Gly Pro Gly
485 490 495

Gly Gly Asn Gly Gly Arg Pro Ser Asp Thr Tyr Gly Ala Pro Gly Gly
500 505 510

Gly Asn Gly Gly Arg Pro Ser Ser Ser Tyr Gly Ser Ala Ala Ala Ala
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Thr Tyr Gly Ala Pro Gly Gly Gly Asn Gly Gly Arg Pro Ser Ser Ser
545 550 555 560

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565 570 575

Asn Gly Gly Arg Pro Ser Asp Thr Tyr Gly Ala Pro Gly Gly Gly Asn
580 585 590

Gly Gly Arg Pro Ser Ser Ser Tyr Gly Ser Ala Ala Ala Ala Ala Ala
595 600 605

Ala Ala Gly Pro Gly Gly Gly Asn Gly Gly Arg Pro Ser Asp Thr Tyr
610 615 620

Gly Ala Pro Gly Gly Gly Asn Gly Gly Arg Pro Ser Ser Ser Tyr Gly
625 630 635 640