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<151> 2019-12-23

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<170> PatentIn version 3.5

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2465		2470		2475
Cys Thr	Cys Cys Thr Gly	Cys Ala Cys Cys Ala	Cys Gly Cys Ala	
2480		2485		2490
Gly Thr	Cys Ala Gly Cys	Ala Cys Thr Gly Gly	Cys Ala Gly Cys	
2495		2500		2505
Ala Ala	Gly Gly Ala Thr	Gly Thr Gly Gly Thr	Cys Cys Gly Cys	
2510		2515		2520
Thr Ala	Cys Cys Thr Gly	Cys Thr Gly Gly Ala	Cys Cys Ala Cys	
2525		2530		2535
Gly Cys	Cys Cys Cys Cys	Cys Cys Ala Gly Ala	Gly Ala Thr Cys	
2540		2545		2550
Cys Thr	Thr Gly Ala Thr	Gly Cys Gly Gly Thr	Gly Gly Ala Gly	
2555		2560		2565
Gly Ala	Ala Ala Ala Cys	Gly Gly Gly Ala	Gly Ala Cys Cys	
2570		2575		2580
Thr Gly	Thr Thr Thr Gly	Cys Ala Cys Cys Ala	Ala Gly Cys Ala	
2585		2590		2595
Gly Cys	Gly Gly Cys Cys	Cys Thr Gly Gly Gly	Cys Cys Ala Gly	
2600		2605		2610
Cys Gly	Cys Ala Cys Cys	Ala Thr Cys Thr Gly	Cys Cys Ala Cys	
2615		2620		2625
Thr Ala	Cys Ala Thr Cys	Gly Thr Gly Gly Ala	Gly Gly Cys Cys	
2630		2635		2640

Gly	Gly	Gly	Gly	Cys	Cys	Thr	Cys	Gly	Cys	Thr	Cys	Ala	Thr	Gly
2645						2650					2655			
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2660						2665					2670			
Gly	Gly	Cys	Gly	Ala	Cys	Ala	Cys	Thr	Cys	Cys	Cys	Cys	Gly	Gly
2675						2680					2685			
Cys	Ala	Gly	Cys	Gly	Gly	Gly	Cys	Thr	Gly	Ala	Gly	Ala	Ala	Gly
2690						2695					2700			
Gly	Cys	Thr	Cys	Ala	Gly	Gly	Ala	Cys	Ala	Cys	Cys	Gly	Ala	Gly
2705						2710					2715			
Cys	Thr	Gly	Gly	Cys	Cys	Gly	Cys	Cys	Thr	Ala	Cys	Cys	Thr	Gly
2720						2725					2730			
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2735						2740					2745			
Thr	Ala	Cys	Cys	Ala	Gly	Ala	Thr	Gly	Ala	Thr	Cys	Cys	Ala	Gly
2750						2755					2760			
Cys	Gly	Gly	Gly	Ala	Gly	Gly	Ala	Cys	Cys	Ala	Gly	Gly	Ala	Gly
2765						2770					2775			
Ala	Cys	Gly	Gly	Cys	Thr	Gly	Thr	Gly	Gly	Gly	Ala	Thr	Cys	Cys
2780						2785					2790			
Thr	Cys	Gly	Gly	Ala	Gly	Ala	Cys	Ala	Gly	Thr	Gly	Cys	Gly	Gly
2795						2800					2805			
Thr	Thr	Thr	Cys	Ala	Gly	Gly	Gly	Ala	Cys	Ala	Cys	Cys	Ala	Cys
2810						2815					2820			
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<213> Homo sapiens

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35 40 45

Arg Leu Phe Gly His Arg Lys Ala Ile Thr Lys Ser Gly Leu Gln His
50 55 60

Leu Ala Pro Pro Pro Pro Thr Pro Gly Ala Pro Cys Ser Glu Ser Glu
65 70 75 80

Arg Gln Ile Arg Ser Thr Val Asp Trp Ser Glu Ser Ala Thr Tyr Gly
85 90 95

Glu His Ile Trp Phe Glu Thr Asn Val Ser Gly Asp Phe Cys Tyr Val
100 105 110

Gly Glu Gln Tyr Cys Val Ala Arg Met Leu Gln Lys Ser Val Ser Arg
115 120 125

Arg Lys Cys Ala Ala Cys Lys Ile Val Val His Thr Pro Cys Ile Glu
130 135 140

Gln Leu Glu Lys Ile Asn Phe Arg Cys Lys Pro Ser Phe Arg Glu Ser
145 150 155 160

Gly Ser Arg Asn Val Arg Glu Pro Thr Phe Val Arg His His Trp Val
165 170 175

His Arg Arg Arg Gln Asp Gly Lys Cys Arg His Cys Gly Lys Gly Phe
180 185 190

Gln Gln Lys Phe Thr Phe His Ser Lys Glu Ile Val Ala Ile Ser Cys
195 200 205

Ser Trp Cys Lys Gln Ala Tyr His Ser Lys Val Ser Cys Phe Met Leu
210 215 220

Gln Gln Ile Glu Glu Pro Cys Ser Leu Gly Val His Ala Ala Val Val
225 230 235 240

Ile Pro Pro Thr Trp Ile Leu Arg Ala Arg Arg Pro Gln Asn Thr Leu
245 250 255

Lys Ala Ser Lys Lys Lys Lys Arg Ala Ser Phe Lys Arg Lys Ser Ser
260 265 270

Lys Lys Gly Pro Glu Glu Gly Arg Trp Arg Pro Phe Ile Ile Arg Pro
275 280 285

Thr Pro Ser Pro Leu Met Lys Pro Leu Leu Val Phe Val Asn Pro Lys
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Ser Gly Gly Asn Gln Gly Ala Lys Ile Ile Gln Ser Phe Leu Trp Tyr
305 310 315 320

Leu Asn Pro Arg Gln Val Phe Asp Leu Ser Gln Gly Gly Pro Lys Glu
325 330 335

Ala Leu Glu Met Tyr Arg Lys Val His Asn Leu Arg Ile Leu Ala Cys
340 345 350

Gly Gly Asp Gly Thr Val Gly Trp Ile Leu Ser Thr Leu Asp Gln Leu
355 360 365

Arg Leu Lys Pro Pro Pro Pro Val Ala Ile Leu Pro Leu Gly Thr Gly
370 375 380

Asn Asp Leu Ala Arg Thr Leu Asn Trp Gly Gly Gly Tyr Thr Asp Glu
385 390 395 400

Pro Val Ser Lys Ile Leu Ser His Val Glu Glu Gly Asn Val Val Gln
405 410 415

Leu Asp Arg Trp Asp Leu His Ala Glu Pro Asn Pro Glu Ala Gly Pro
420 425 430

Glu Asp Arg Asp Glu Gly Ala Thr Asp Arg Leu Pro Leu Asp Val Phe
435 440 445

Asn Asn Tyr Phe Ser Leu Gly Phe Asp Ala His Val Thr Leu Glu Phe
450 455 460

His Glu Ser Arg Glu Ala Asn Pro Glu Lys Phe Asn Ser Arg Phe Arg
465 470 475 480

Asn Lys Met Phe Tyr Ala Gly Thr Ala Phe Ser Asp Phe Leu Met Gly
485 490 495

Ser Ser Lys Asp Leu Ala Lys His Ile Arg Val Val Cys Asp Gly Met
500 505 510

Asp Leu Thr Pro Lys Ile Gln Asp Leu Lys Pro Gln Cys Val Val Phe
515 520 525

Leu Asn Ile Pro Arg Tyr Cys Ala Gly Thr Met Pro Trp Gly His Pro
530 535 540

Gly Glu His His Asp Phe Glu Pro Gln Arg His Asp Asp Gly Tyr Leu
545 550 555 560

Glu Val Ile Gly Phe Thr Met Thr Ser Leu Ala Ala Leu Gln Val Gly
565 570 575

Gly His Gly Glu Arg Leu Thr Gln Cys Arg Glu Val Val Leu Thr Thr
580 585 590

Ser Lys Ala Ile Pro Val Gln Val Asp Gly Glu Pro Cys Lys Leu Ala
595 600 605

Ala Ser Arg Ile Arg Ile Ala Leu Arg Asn Gln Ala Thr Met Val Gln
610 615 620

Lys Ala Lys Arg Arg Ser Ala Ala Pro Leu His Ser Asp Gln Gln Pro
625 630 635 640

Val Pro Glu Gln Leu Arg Ile Gln Val Ser Arg Val Ser Met His Asp
645 650 655

Tyr Glu Ala Leu His Tyr Asp Lys Glu Gln Leu Lys Glu Ala Ser Val
660 665 670

Pro Leu Gly Thr Val Val Val Pro Gly Asp Ser Asp Leu Glu Leu Cys
675 680 685

Arg Ala His Ile Glu Arg Leu Gln Gln Glu Pro Asp Gly Ala Gly Ala
690 695 700

Lys Ser Pro Thr Cys Gln Lys Leu Ser Pro Lys Trp Cys Phe Leu Asp
705 710 715 720

Ala Thr Thr Ala Ser Arg Phe Tyr Arg Ile Asp Arg Ala Gln Glu His
725 730 735

Leu Asn Tyr Val Thr Glu Ile Ala Gln Asp Glu Ile Tyr Ile Leu Asp
740 745 750

Pro Glu Leu Leu Gly Ala Ser Ala Arg Pro Asp Leu Pro Thr Pro Thr
755 760 765

Ser Pro Leu Pro Thr Ser Pro Cys Ser Pro Thr Pro Arg Ser Leu Gln
770 775 780

Gly Asp Ala Ala Pro Pro Gln Gly Glu Glu Leu Ile Glu Ala Ala Lys
785 790 795 800

Arg Asn Asp Phe Cys Lys Leu Gln Glu Leu His Arg Ala Gly Gly Asp
805 810 815

Leu Met His Arg Asp Glu Gln Ser Arg Thr Leu Leu His His Ala Val
820 825 830

Ser Thr Gly Ser Lys Asp Val Val Arg Tyr Leu Leu Asp His Ala Pro
835 840 845

Pro Glu Ile Leu Asp Ala Val Glu Glu Asn Gly Glu Thr Cys Leu His
850 855 860

Gln Ala Ala Ala Leu Gly Gln Arg Thr Ile Cys His Tyr Ile Val Glu
865 870 875 880

Ala Gly Ala Ser Leu Met Lys Thr Asp Gln Gln Gly Asp Thr Pro Arg
885 890 895

Gln Arg Ala Glu Lys Ala Gln Asp Thr Glu Leu Ala Ala Tyr Leu Glu
900 905 910

Asn Arg Gln His Tyr Gln Met Ile Gln Arg Glu Asp Gln Glu Thr Ala
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Val Gly Ser Ser Glu Thr Val Arg Phe Gln Gly His His His His His
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His
945

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<400> 5

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Ala Cys Thr Thr Cys Gly Cys Cys Cys Ala Gly Cys Thr Gly Cys Ala
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Gly Ala Ala Gly Thr Ala Cys Ala Thr Gly Gly Ala Ala Thr Ala Cys
35 40 45

Ala Gly Cys Ala Cys Cys Ala Ala Gly Ala Ala Gly Gly Thr Gly Thr
50 55 60

Cys Thr Gly Ala Cys Gly Thr Cys Cys Thr Gly Ala Ala Gly Cys Thr

65

70

75

80

Gly Thr Thr Cys Gly Ala Gly Gly Ala Cys Gly Gly Thr Gly Ala Ala
85 90 95

Ala Thr Gly Gly Cys Thr Ala Ala Gly Thr Ala Cys Gly Thr Cys Cys
100 105 110

Ala Gly Gly Gly Cys Gly Ala Cys Gly Cys Thr Ala Thr Cys Gly Gly
115 120 125

Ala Thr Ala Cys Gly Ala Gly Gly Gly Ala Thr Thr Cys Cys Ala Gly
130 135 140

Cys Ala Gly Thr Thr Cys Cys Thr Gly Ala Ala Gly Ala Thr Cys Thr
145 150 155 160

Ala Cys Cys Thr Gly Gly Ala Ala Gly Thr Gly Gly Ala Cys Ala Ala
165 170 175

Cys Gly Thr Cys Cys Cys Cys Ala Gly Gly Cys Ala Cys Cys Thr Gly
180 185 190

Thr Cys Ala Cys Thr Gly Gly Cys Thr Cys Thr Gly Thr Thr Cys Cys
195 200 205

Ala Gly Thr Cys Cys Thr Thr Cys Gly Ala Gly Ala Cys Thr Gly Gly
210 215 220

Cys Cys Ala Cys Thr Gly Cys Cys Thr Gly Ala Ala Cys Gly Ala Ala
225 230 235 240

Ala Cys Cys Ala Ala Cys Gly Thr Cys Ala Cys Thr Ala Ala Gly Gly
245 250 255

Ala Cys Gly Thr Gly Gly Thr Cys Thr Gly Cys Cys Thr Gly Ala Ala
260 265 270

Cys Gly Ala Cys Gly Thr Gly Ala Gly Cys Thr Gly Cys Thr Ala Cys
275 280 285

Thr Thr Cys Thr Cys Thr Cys Thr Gly Cys Thr Gly Gly Ala Gly Gly
290 295 300

Gly Thr Gly Gly Cys Ala Gly Ala Cys Cys Ala Gly Ala Gly Gly Ala
305 310 315 320

Cys Ala Ala Gly Cys Thr Gly Gly Ala Ala Thr Thr Cys Ala Cys Cys
325 330 335

Thr Thr Cys Ala Ala Gly Cys Thr Gly Thr Ala Cys Gly Ala Cys Ala
340 345 350

Cys Thr Gly Ala Cys Cys Gly Cys Ala Ala Cys Gly Gly Ala Ala Thr
355 360 365

Cys Cys Thr Gly Gly Ala Cys Thr Cys Cys Ala Gly Cys Gly Ala Ala
370 375 380

Gly Thr Gly Gly Ala Cys Ala Ala Gly Ala Thr Cys Ala Thr Cys Cys
385 390 395 400

Thr Gly Cys Ala Gly Ala Thr Gly Ala Thr Gly Cys Gly Thr Gly Thr
405 410 415

Cys Gly Cys Thr Gly Ala Gly Thr Ala Cys Cys Thr Gly Gly Ala Cys
420 425 430

Thr Gly Gly Gly Ala Cys Gly Thr Gly Ala Gly Cys Gly Ala Ala Cys
435 440 445

Thr Gly Ala Gly Gly Cys Cys Thr Ala Thr Cys Cys Thr Gly Cys Ala
450 455 460

Gly Gly Ala Gly Ala Thr Gly Ala Thr Gly Ala Ala Gly Gly Ala Ala
465 470 475 480

Ala Thr Cys Gly Ala Cys Thr Ala Cys Gly Ala Cys Gly Gly Cys Thr
485 490 495

Cys Thr Gly Gly Ala Thr Cys Ala Gly Thr Gly Thr Cys Cys Cys Ala

500

505

510

Gly Gly Cys Thr Gly Ala Gly Thr Gly Gly Gly Thr Cys Cys Gly Cys
 515 520 525

Gly Cys Thr Gly Gly Thr Gly Cys Thr Ala Cys Cys Ala Cys Thr Gly
 530 535 540

Thr Gly Cys Cys Ala Cys Thr Gly Cys Thr Gly Gly Thr Cys Cys Thr
 545 550 555 560

Gly Cys Thr Gly Gly Gly Ala Cys Thr Gly Gly Ala Ala Ala Thr Gly
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Ala Cys Cys Cys Thr Gly Ala Ala Gly Gly Ala Cys Gly Ala Cys Gly
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Gly Thr Cys Ala Gly Cys Ala Cys Ala Thr Gly Thr Gly Gly Cys Gly
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Cys Cys Cys Ala Ala Ala Gly Cys Gly Thr Thr Thr Cys Cys Cys Cys
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Ala Ala Thr Cys Gly Gly Thr Cys Thr Gly Gly Gly Cys Ala Ala Gly
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Cys Ala Gly Gly Gly Cys Cys Thr Gly Thr Cys Ala Thr Gly Cys Ala
 675 680 685

Ala Cys Cys Thr Gly Thr Gly Cys Ala Ala Gly Thr Ala Cys Ala Cys
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Cys Gly Thr Gly Cys Ala Cys Gly Ala Cys Cys Ala Gly Thr Gly Cys
 705 710 715 720

Gly Cys Thr Ala Thr Gly Ala Ala Gly Gly Cys Cys Cys Thr Gly Cys
725 730 735

Cys Cys Thr Gly Cys Gly Ala Gly Gly Thr Cys Thr Cys Ala Ala Cys
740 745 750

Thr Thr Ala Cys Gly Cys Thr Ala Ala Gly Thr Cys Cys Cys Gly Thr
755 760 765

Ala Ala Gly Gly Ala Cys Ala Thr Cys Gly Gly Ala Gly Thr Gly Cys
770 775 780

Ala Gly Thr Cys Ala Cys Ala Cys Gly Thr Gly Thr Gly Gly Gly Thr
785 790 795 800

Cys Ala Gly Gly Gly Gly Ala Gly Gly Thr Thr Gly Cys Gly Ala Ala
805 810 815

Thr Cys Cys Gly Gly Thr Ala Gly Ala Thr Gly Cys Gly Ala Cys Cys
820 825 830

Gly Cys Thr Gly Cys Cys Ala Gly Ala Ala Gly Ala Ala Gly Ala Thr
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Cys Cys Gly Thr Ala Thr Cys Thr Ala Cys Cys Ala Cys Thr Cys Cys
850 855 860

Cys Thr Gly Ala Cys Cys Gly Gly Ala Cys Thr Gly Cys Ala Cys Thr
865 870 875 880

Gly Cys Gly Thr Cys Thr Gly Gly Thr Gly Cys Cys Ala Cys Cys Thr
885 890 895

Gly Gly Ala Gly Ala Thr Cys Cys Ala Cys Gly Ala Cys Gly Ala Cys
900 905 910

Thr Gly Cys Cys Thr Gly Cys Ala Gly Gly Cys Cys Gly Thr Gly Gly
915 920 925

Gly Ala Cys Ala Cys Gly Ala Ala Thr Gly Cys Gly Ala Cys Thr Gly

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Cys Gly Gly Thr Cys Thr Gly Cys Thr Gly Cys Gly Thr Gly Ala Cys				
945		950		955 960
Cys Ala Cys Ala Thr Cys Cys Thr Gly Cys Cys Thr Cys Cys Cys Thr				
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Cys Cys Ala Gly Cys Ala Thr Cys Thr Ala Cys Cys Cys Thr Thr Cys				
	980		985	990
Ala Gly Thr Cys Cys Thr Gly Gly Cys Thr Thr Cys Cys Gly Gly Thr				
	995		1000	1005
Cys Cys Cys Gly Ala Cys Ala Gly Gly Ala Ala Gly Ala Ala Cys				
	1010		1015	1020
Ala Gly Cys Ala Ala Gly Ala Cys Cys Thr Cys Thr Cys Ala Gly				
	1025		1030	1035
Ala Ala Gly Ala Cys Thr Ala Thr Gly Gly Ala Cys Gly Ala Cys				
	1040		1045	1050
Cys Thr Gly Ala Ala Cys Cys Thr Gly Ala Gly Cys Ala Cys Cys				
	1055		1060	1065
Thr Cys Thr Gly Ala Gly Gly Cys Cys Cys Thr Gly Cys Gly Cys				
	1070		1075	1080
Ala Thr Cys Gly Ala Cys Cys Cys Thr Gly Thr Gly Cys Cys Cys				
	1085		1090	1095
Ala Ala Cys Ala Cys Thr Cys Ala Cys Cys Cys Ala Cys Thr Gly				
	1100		1105	1110
Cys Thr Gly Gly Thr Gly Thr Thr Cys Gly Thr Cys Ala Ala Cys				
	1115		1120	1125
Cys Cys Thr Ala Ala Gly Ala Gly Cys Gly Gly Cys Gly Gly Ala				
	1130		1135	1140

Ala Ala Gly Cys Ala Gly Gly Gly Thr Cys Ala Gly Ala Gly Ala
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Gly Thr Cys Cys Thr Gly Thr Gly Gly Ala Ala Gly Thr Thr Cys
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Cys Ala Gly Thr Ala Cys Ala Thr Cys Cys Thr Gly Ala Ala Cys
1175 1180 1185

Cys Cys Ala Cys Gly Cys Cys Ala Gly Gly Thr Gly Thr Thr Cys
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Cys Thr Gly Ala Gly Ala Cys Thr Gly Thr Thr Cys Ala Ala Gly
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Gly Ala Cys Gly Thr Gly Cys Cys Cys Gly Ala Cys Thr Cys Thr
1250 1255 1260

Cys Gly Cys Ala Thr Cys Cys Thr Cys Gly Thr Cys Thr Gly Cys
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Gly Gly Thr Gly Gly Cys Gly Ala Cys Gly Gly Thr Ala Cys Thr
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Cys Thr Gly Cys Cys Ala Cys Cys Thr Gly Thr Gly Gly Cys Thr

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1355						1360					1365				
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1370						1375					1380				
Gly	Cys	Thr	Cys	Gly	Thr	Thr	Gly	Cys	Cys	Thr	Gly	Cys	Gly	Thr	
1385						1390					1395				
Thr	Gly	Gly	Gly	Gly	Ala	Gly	Gly	Thr	Gly	Gly	Cys	Thr	Ala	Cys	
1400						1405					1410				
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1415						1420					1425				
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1520						1525					1530				
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Cys Ala Cys Ala Thr Cys Ala Thr Gly Cys Gly Cys Gly Ala Gly
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Thr Thr Cys Thr Cys Ala Ala Cys Thr Thr Gly Cys Ala Ala Gly
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Cys Thr Gly Ala Cys Cys Gly Thr Cys Gly Ala Gly Ala Thr Cys
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Thr Gly Cys Gly Gly Cys Ala Ala Gly Cys Cys Thr Cys Thr Gly
1730 1735 1740

Gly Ala Cys Cys Thr Gly Thr Cys Ala Ala Ala Cys Cys Thr Gly

1745						1750						1755			
Thr	Cys	Cys	Cys	Thr	Gly	Gly	Ala	Ala	Gly	Gly	Cys	Ala	Thr	Cys	
1760						1765					1770				
Gly	Cys	Thr	Gly	Thr	Gly	Cys	Thr	Gly	Ala	Ala	Cys	Ala	Thr	Cys	
1775						1780					1785				
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1790						1795					1800				
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1910						1915					1920				
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1925						1930					1935				
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1940						1945					1950				

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1955						1960					1965			
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1970						1975					1980			
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1985						1990					1995			
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2000						2005					2010			
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2015						2020					2025			
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2030						2035					2040			
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2045						2050					2055			
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2060						2065					2070			
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2075						2080					2085			
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2090						2095					2100			
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2105						2110					2115			
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2120						2125					2130			
Cys	Cys	Cys	Ala	Thr	Gly	Cys	Thr	Gly	Ala	Thr	Gly	Gly	Gly	Thr
2135						2140					2145			
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 35 40 45

 Gln Phe Leu Lys Ile Tyr Leu Glu Val Asp Asn Val Pro Arg His Leu
 50 55 60

 Ser Leu Ala Leu Phe Gln Ser Phe Glu Thr Gly His Cys Leu Asn Glu
 65 70 75 80

 Thr Asn Val Thr Lys Asp Val Val Cys Leu Asn Asp Val Ser Cys Tyr
 85 90 95

 Phe Ser Leu Leu Glu Gly Gly Arg Pro Glu Asp Lys Leu Glu Phe Thr
 100 105 110

Phe Lys Leu Tyr Asp Thr Asp Arg Asn Gly Ile Leu Asp Ser Ser Glu
115 120 125

Val Asp Lys Ile Ile Leu Gln Met Met Arg Val Ala Glu Tyr Leu Asp
130 135 140

Trp Asp Val Ser Glu Leu Arg Pro Ile Leu Gln Glu Met Met Lys Glu
145 150 155 160

Ile Asp Tyr Asp Gly Ser Gly Ser Val Ser Gln Ala Glu Trp Val Arg
165 170 175

Ala Gly Ala Thr Thr Val Pro Leu Leu Val Leu Leu Gly Leu Glu Met
180 185 190

Thr Leu Lys Asp Asp Gly Gln His Met Trp Arg Pro Lys Arg Phe Pro
195 200 205

Arg Pro Val Tyr Cys Asn Leu Cys Glu Ser Ser Ile Gly Leu Gly Lys
210 215 220

Gln Gly Leu Ser Cys Asn Leu Cys Lys Tyr Thr Val His Asp Gln Cys
225 230 235 240

Ala Met Lys Ala Leu Pro Cys Glu Val Ser Thr Tyr Ala Lys Ser Arg
245 250 255

Lys Asp Ile Gly Val Gln Ser His Val Trp Val Arg Gly Gly Cys Glu
260 265 270

Ser Gly Arg Cys Asp Arg Cys Gln Lys Lys Ile Arg Ile Tyr His Ser
275 280 285

Leu Thr Gly Leu His Cys Val Trp Cys His Leu Glu Ile His Asp Asp
290 295 300

Cys Leu Gln Ala Val Gly His Glu Cys Asp Cys Gly Leu Leu Arg Asp
305 310 315 320

His Ile Leu Pro Pro Ser Ser Ile Tyr Pro Ser Val Leu Ala Ser Gly
325 330 335

Pro Asp Arg Lys Asn Ser Lys Thr Ser Gln Lys Thr Met Asp Asp Leu
340 345 350

Asn Leu Ser Thr Ser Glu Ala Leu Arg Ile Asp Pro Val Pro Asn Thr
355 360 365

His Pro Leu Leu Val Phe Val Asn Pro Lys Ser Gly Gly Lys Gln Gly
370 375 380

Gln Arg Val Leu Trp Lys Phe Gln Tyr Ile Leu Asn Pro Arg Gln Val
385 390 395 400

Phe Asn Leu Leu Lys Asp Gly Pro Glu Ile Gly Leu Arg Leu Phe Lys
405 410 415

Asp Val Pro Asp Ser Arg Ile Leu Val Cys Gly Gly Asp Gly Thr Val
420 425 430

Gly Trp Ile Leu Glu Thr Ile Asp Lys Ala Asn Leu Pro Val Leu Pro
435 440 445

Pro Val Ala Val Leu Pro Leu Gly Thr Gly Asn Asp Leu Ala Arg Cys
450 455 460

Leu Arg Trp Gly Gly Gly Tyr Glu Gly Gln Asn Leu Ala Lys Ile Leu
465 470 475 480

Lys Asp Leu Glu Met Ser Lys Val Val His Met Asp Arg Trp Ser Val
485 490 495

Glu Val Ile Pro Gln Gln Thr Glu Glu Lys Ser Asp Pro Val Pro Phe
500 505 510

Gln Ile Ile Asn Asn Tyr Phe Ser Ile Gly Val Asp Ala Ser Ile Ala
515 520 525

His Arg Phe His Ile Met Arg Glu Lys Tyr Pro Glu Lys Phe Asn Ser
530 535 540

Arg Met Lys Asn Lys Leu Trp Tyr Phe Glu Phe Ala Thr Ser Glu Ser
545 550 555 560

Ile Phe Ser Thr Cys Lys Lys Leu Glu Glu Ser Leu Thr Val Glu Ile
565 570 575

Cys Gly Lys Pro Leu Asp Leu Ser Asn Leu Ser Leu Glu Gly Ile Ala
580 585 590

Val Leu Asn Ile Pro Ser Met His Gly Gly Ser Asn Leu Trp Gly Asp
595 600 605

Thr Arg Arg Pro His Gly Asp Ile Tyr Gly Ile Asn Gln Ala Leu Gly
610 615 620

Ala Thr Ala Lys Val Ile Thr Asp Pro Asp Ile Leu Lys Thr Cys Val
625 630 635 640

Pro Asp Leu Ser Asp Lys Arg Leu Glu Val Val Gly Leu Glu Gly Ala
645 650 655

Ile Glu Met Gly Gln Ile Tyr Thr Lys Leu Lys Asn Ala Gly Arg Arg
660 665 670

Leu Ala Lys Cys Ser Glu Ile Thr Phe His Thr Thr Lys Thr Leu Pro
675 680 685

Met Gln Ile Asp Gly Glu Pro Trp Met Gln Thr Pro Cys Thr Ile Lys
690 695 700

Ile Thr His Lys Asn Gln Met Pro Met Leu Met Gly Pro Pro Pro Arg
705 710 715 720

Ser Gly Ser Ser Glu Thr Val Arg Phe Gln Gly His His His His His
725 730 735

His