

LISTADO DE SECUENCIAS

<110> ABBVIE STEMCENTRX LLC

<120> CONJUGADOS DE FÁRMACO Y ANTICUERPO ANTI-SEZ6 Y MÉTODOS DE USO

<130> 381493-703WO(167862)

<150> 62,678,061

<151> 2018-05-30

<160> 8

<170> PatentIn version 3.5

<210> 1

<211> 994

<212> PRT

<213> Homo sapiens

<400> 1

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Pro	Gly	Ile	Glu	Glu	Thr	Asp	Gly	Glu	Leu	Thr	Ala	Ala	Pro	Thr	Pro
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Glu	Gln	Pro	Glu	Arg	Gly	Val	His	Phe	Val	Thr	Thr	Ala	Pro	Thr	Leu
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Gln	Asp	Ser	Arg	Pro	Val	Phe	Thr	Ser	Pro	Thr	Pro	Ala	Met	Ala	Ala
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Val Pro Thr Gln Pro Gln Ser Lys Glu Gly Pro Trp Ser Pro Glu Ser
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Glu Ser Pro Met Leu Arg Ile Thr Ala Pro Leu Pro Pro Gly Pro Ser
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Met Ala Val Pro Thr Leu Gly Pro Gly Glu Ile Ala Ser Thr Thr Pro
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Pro Ser Arg Ala Trp Thr Pro Thr Gln Glu Gly Pro Gly Asp Met Gly
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Arg Pro Trp Val Ala Glu Val Val Ser Gln Gly Ala Gly Ile Gly Ile
195 200 205

Gln Gly Thr Ile Thr Ser Ser Thr Ala Ser Gly Asp Asp Glu Glu Thr
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Thr Thr Thr Thr Thr Ile Ile Thr Thr Thr Ile Thr Thr Val Gln Thr
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Pro Gly Pro Cys Ser Trp Asn Phe Ser Gly Pro Glu Gly Ser Leu Asp
245 250 255

Ser Pro Thr Asp Leu Ser Ser Pro Thr Asp Val Gly Leu Asp Cys Phe
260 265 270

Phe Tyr Ile Ser Val Tyr Pro Gly Tyr Gly Val Glu Ile Lys Val Gln
275 280 285

Asn Ile Ser Leu Arg Glu Gly Glu Thr Val Thr Val Glu Gly Leu Gly
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Gly Pro Asp Pro Leu Pro Leu Ala Asn Gln Ser Phe Leu Leu Arg Gly
305 310 315 320

Gln Val Ile Arg Ser Pro Thr His Gln Ala Ala Leu Arg Phe Gln Ser
325 330 335

Leu Pro Pro Pro Ala Gly Pro Gly Thr Phe His Phe His Tyr Gln Ala
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Tyr Leu Leu Ser Cys His Phe Pro Arg Arg Pro Ala Tyr Gly Asp Val
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Thr Val Thr Ser Leu His Pro Gly Gly Ser Ala Arg Phe His Cys Ala
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Thr Gly Tyr Gln Leu Lys Gly Ala Arg His Leu Thr Cys Leu Asn Ala
385 390 395 400

Thr Gln Pro Phe Trp Asp Ser Lys Glu Pro Val Cys Ile Ala Ala Cys
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Gly Gly Val Ile Arg Asn Ala Thr Thr Gly Arg Ile Val Ser Pro Gly
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Phe Pro Gly Asn Tyr Ser Asn Asn Leu Thr Cys His Trp Leu Leu Glu
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Ala Pro Glu Gly Gln Arg Leu His Leu His Phe Glu Lys Val Ser Leu
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Ala Glu Asp Asp Asp Arg Leu Ile Ile Arg Asn Gly Asp Asn Val Glu
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Ala Pro Pro Val Tyr Asp Ser Tyr Glu Val Glu Tyr Leu Pro Ile Glu
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Gly Leu Leu Ser Ser Gly Lys His Phe Phe Val Glu Leu Ser Thr Asp
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Ser Ser Gly Ala Ala Ala Gly Met Ala Leu Arg Tyr Glu Ala Phe Gln
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Gln Gly His Cys Tyr Glu Pro Phe Val Lys Tyr Gly Asn Phe Ser Ser
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Ser Thr Pro Thr Tyr Pro Val Gly Thr Thr Val Glu Phe Ser Cys Asp
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Pro Gly Tyr Thr Leu Glu Gln Gly Ser Ile Ile Ile Glu Cys Val Asp
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Pro His Asp Pro Gln Trp Asn Glu Thr Glu Pro Ala Cys Arg Ala Val
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Cys Ser Gly Glu Ile Thr Asp Ser Ala Gly Val Val Leu Ser Pro Asn
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Trp Pro Glu Pro Tyr Gly Arg Gly Gln Asp Cys Ile Trp Gly Val His
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Val Glu Glu Asp Lys Arg Ile Met Leu Asp Ile Arg Val Leu Arg Ile
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Gly Pro Gly Asp Val Leu Thr Phe Tyr Asp Gly Asp Asp Leu Thr Ala
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Arg Val Leu Gly Gln Tyr Ser Gly Pro Arg Ser His Phe Lys Leu Phe
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Ser Val Leu Gly Tyr Gln Gln Gly Phe Val Ile His Phe Phe Glu Val
690 695 700

Pro Arg Asn Asp Thr Cys Pro Glu Leu Pro Glu Ile Pro Asn Gly Trp
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Lys Ser Pro Ser Gln Pro Glu Leu Val His Gly Thr Val Val Thr Tyr
725 730 735

Gln Cys Tyr Pro Gly Tyr Gln Val Val Gly Ser Ser Val Leu Met Cys
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Gln Trp Asp Leu Thr Trp Ser Glu Asp Leu Pro Ser Cys Gln Arg Val
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Thr Ser Cys His Asp Pro Gly Asp Val Glu His Ser Arg Arg Leu Ile
770 775 780

Ser Ser Pro Lys Phe Pro Val Gly Ala Thr Val Gln Tyr Ile Cys Asp
785 790 795 800

Gln Gly Phe Val Leu Met Gly Ser Ser Ile Leu Thr Cys His Asp Arg
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Gln Ala Gly Ser Pro Lys Trp Ser Asp Arg Ala Pro Lys Cys Leu Leu
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Glu Gln Leu Lys Pro Cys His Gly Leu Ser Ala Pro Glu Asn Gly Ala
835 840 845

Arg Ser Pro Glu Lys Gln Leu His Pro Ala Gly Ala Thr Ile His Phe
850 855 860

Ser Cys Ala Pro Gly Tyr Val Leu Lys Gly Gln Ala Ser Ile Lys Cys
865 870 875 880

Val Pro Gly His Pro Ser His Trp Ser Asp Pro Pro Pro Ile Cys Arg
885 890 895

Ala Ala Ser Leu Asp Gly Phe Tyr Asn Ser Arg Ser Leu Asp Val Ala
900 905 910

Lys Ala Pro Ala Ala Ser Ser Thr Leu Asp Ala Ala His Ile Ala Ala
915 920 925

Ala Ile Phe Leu Pro Leu Val Ala Met Val Leu Leu Val Gly Gly Val
930 935 940

Tyr Phe Tyr Phe Ser Arg Leu Gln Gly Lys Ser Ser Leu Gln Leu Pro
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<213> Homo sapiens

<400> 2

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35 40 45

Glu Gln Pro Glu Arg Gly Val His Phe Val Thr Thr Ala Pro Thr Leu
50 55 60

Lys Leu Leu Asn His His Pro Leu Leu Glu Glu Phe Leu Gln Glu Gly
65 70 75 80

Leu Glu Lys Gly Asp Glu Glu Leu Arg Pro Ala Leu Pro Phe Gln Pro
85 90 95

Asp Pro Pro Ala Pro Phe Thr Pro Ser Pro Leu Pro Arg Leu Ala Asn
100 105 110

Gln Asp Ser Arg Pro Val Phe Thr Ser Pro Thr Pro Ala Met Ala Ala
115 120 125

Val Pro Thr Gln Pro Gln Ser Lys Glu Gly Pro Trp Ser Pro Glu Ser
130 135 140

Glu Ser Pro Met Leu Arg Ile Thr Ala Pro Leu Pro Pro Gly Pro Ser
145 150 155 160

Met Ala Val Pro Thr Leu Gly Pro Gly Glu Ile Ala Ser Thr Thr Pro
165 170 175

Pro Ser Arg Ala Trp Thr Pro Thr Gln Glu Gly Pro Gly Asp Met Gly
180 185 190

Arg Pro Trp Val Ala Glu Val Val Ser Gln Gly Ala Gly Ile Gly Ile
195 200 205

Gln Gly Thr Ile Thr Ser Ser Thr Ala Ser Gly Asp Asp Glu Glu Thr
210 215 220

Thr Thr Thr Thr Thr Ile Ile Thr Thr Thr Ile Thr Thr Val Gln Thr
225 230 235 240

Pro Gly Pro Cys Ser Trp Asn Phe Ser Gly Pro Glu Gly Ser Leu Asp
245 250 255

Ser Pro Thr Asp Leu Ser Ser Pro Thr Asp Val Gly Leu Asp Cys Phe
260 265 270

Phe Tyr Ile Ser Val Tyr Pro Gly Tyr Gly Val Glu Ile Lys Val Gln
275 280 285

Asn Ile Ser Leu Arg Glu Gly Glu Thr Val Thr Val Glu Gly Leu Gly
290 295 300

Gly Pro Asp Pro Leu Pro Leu Ala Asn Gln Ser Phe Leu Leu Arg Gly
305 310 315 320

Gln Val Ile Arg Ser Pro Thr His Gln Ala Ala Leu Arg Phe Gln Ser
325 330 335

Leu Pro Pro Pro Ala Gly Pro Gly Thr Phe His Phe His Tyr Gln Ala
340 345 350

Tyr Leu Leu Ser Cys His Phe Pro Arg Arg Pro Ala Tyr Gly Asp Val
355 360 365

Thr Val Thr Ser Leu His Pro Gly Gly Ser Ala Arg Phe His Cys Ala
370 375 380

Thr Gly Tyr Gln Leu Lys Gly Ala Arg His Leu Thr Cys Leu Asn Ala

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Gly	Gly	Val	Ile	Arg	Asn	Ala	Thr	Thr	Gly	Arg	Ile	Val	Ser	Pro	Gly
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Phe	Pro	Gly	Asn	Tyr	Ser	Asn	Asn	Leu	Thr	Cys	His	Trp	Leu	Leu	Glu
		435					440					445			
Ala	Pro	Glu	Gly	Gln	Arg	Leu	His	Leu	His	Phe	Glu	Lys	Val	Ser	Leu
	450					455					460				
Ala	Glu	Asp	Asp	Asp	Arg	Leu	Ile	Ile	Arg	Asn	Gly	Asp	Asn	Val	Glu
465					470					475					480
Ala	Pro	Pro	Val	Tyr	Asp	Ser	Tyr	Glu	Val	Glu	Tyr	Leu	Pro	Ile	Glu
			485					490						495	
Gly	Leu	Leu	Ser	Ser	Gly	Lys	His	Phe	Phe	Val	Glu	Leu	Ser	Thr	Asp
			500					505					510		
Ser	Ser	Gly	Ala	Ala	Ala	Gly	Met	Ala	Leu	Arg	Tyr	Glu	Ala	Phe	Gln
		515					520					525			
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	530					535					540				
Ser	Thr	Pro	Thr	Tyr	Pro	Val	Gly	Thr	Thr	Val	Glu	Phe	Ser	Cys	Asp
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Pro	Gly	Tyr	Thr	Leu	Glu	Gln	Gly	Ser	Ile	Ile	Ile	Glu	Cys	Val	Asp
				565					570					575	
Pro	His	Asp	Pro	Gln	Trp	Asn	Glu	Thr	Glu	Pro	Ala	Cys	Arg	Ala	Val
			580					585					590		
Cys	Ser	Gly	Glu	Ile	Thr	Asp	Ser	Ala	Gly	Val	Val	Leu	Ser	Pro	Asn
		595					600					605			

Trp Pro Glu Pro Tyr Gly Arg Gly Gln Asp Cys Ile Trp Gly Val His
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Val Glu Glu Asp Lys Arg Ile Met Leu Asp Ile Arg Val Leu Arg Ile
625 630 635 640

Gly Pro Gly Asp Val Leu Thr Phe Tyr Asp Gly Asp Asp Leu Thr Ala
645 650 655

Arg Val Leu Gly Gln Tyr Ser Gly Pro Arg Ser His Phe Lys Leu Phe
660 665 670

Thr Ser Met Ala Asp Val Thr Ile Gln Phe Gln Ser Asp Pro Gly Thr
675 680 685

Ser Val Leu Gly Tyr Gln Gln Gly Phe Val Ile His Phe Phe Glu Val
690 695 700

Pro Arg Asn Asp Thr Cys Pro Glu Leu Pro Glu Ile Pro Asn Gly Trp
705 710 715 720

Lys Ser Pro Ser Gln Pro Glu Leu Val His Gly Thr Val Val Thr Tyr
725 730 735

Gln Cys Tyr Pro Gly Tyr Gln Val Val Gly Ser Ser Val Leu Met Cys
740 745 750

Gln Trp Asp Leu Thr Trp Ser Glu Asp Leu Pro Ser Cys Gln Arg Val
755 760 765

Thr Ser Cys His Asp Pro Gly Asp Val Glu His Ser Arg Arg Leu Ile
770 775 780

Ser Ser Pro Lys Phe Pro Val Gly Ala Thr Val Gln Tyr Ile Cys Asp
785 790 795 800

Gln Gly Phe Val Leu Met Gly Ser Ser Ile Leu Thr Cys His Asp Arg
805 810 815

Gln Ala Gly Ser Pro Lys Trp Ser Asp Arg Ala Pro Lys Cys Leu Leu

	820		825		830														
Glu	Gln	Leu	Lys	Pro	Cys	His	Gly	Leu	Ser	Ala	Pro	Glu	Asn	Gly	Ala				
	835						840					845							
Arg	Ser	Pro	Glu	Lys	Gln	Leu	His	Pro	Ala	Gly	Ala	Thr	Ile	His	Phe				
	850					855					860								
Ser	Cys	Ala	Pro	Gly	Tyr	Val	Leu	Lys	Gly	Gln	Ala	Ser	Ile	Lys	Cys				
865					870					875					880				
Val	Pro	Gly	His	Pro	Ser	His	Trp	Ser	Asp	Pro	Pro	Pro	Ile	Cys	Arg				
				885					890					895					
Ala	Ala	Ser	Leu	Asp	Gly	Phe	Tyr	Asn	Ser	Arg	Ser	Leu	Asp	Val	Ala				
			900					905					910						
Lys	Ala	Pro	Ala	Ala	Ser	Ser	Thr	Leu	Asp	Ala	Ala	His	Ile	Ala	Ala				
	915						920					925							
Ala	Ile	Phe	Leu	Pro	Leu	Val	Ala	Met	Val	Leu	Leu	Val	Gly	Gly	Val				
	930					935					940								
Tyr	Phe	Tyr	Phe	Ser	Arg	Leu	Gln	Gly	Lys	Ser	Ser	Leu	Gln	Leu	Pro				
945					950					955					960				
Arg	Pro	Arg	Pro	Arg	Pro	Tyr	Asn	Arg	Ile	Thr	Ile	Glu	Ser	Ala	Phe				
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Asp	Asn	Pro	Thr	Tyr	Glu	Thr	Gly	Glu	Thr	Arg	Glu	Tyr	Glu	Val	Ser				
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Ser Leu Lys Ile Ser Cys Lys Gly Ser Gly Tyr Ser Phe Thr Ser Ser
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Trp Ile Asn Trp Val Arg Gln Met Pro Gly Lys Gly Leu Glu Trp Met
35 40 45

Gly Arg Ile Tyr Pro Gly Glu Gly Asp Thr Asn Tyr Asn Gly Asn Phe
50 55 60

Glu 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 Leu Val Met Asp 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 Ser Asp Lys Thr His Thr Cys
210 215 220

Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly 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

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425

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His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly
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Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser Val Asp Tyr Asn
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Gly Ile Ser Tyr Met His Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro
 35 40 45

Arg Leu Leu Ile Tyr Ala Ala Ser Asn Val Gln 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 Gln Ser Ile
 85 90 95

Glu Asp Pro Pro Thr Phe Gly Gly 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
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120

cccgaaagg gactggagtg gatgggcaga atctatccgg gcgaagggga cactaattac
180

aacggaaact tcgagggcca ggtcaccatt tcggccgata agagcatctc aaccgcgtac
240

ttgcagtggg caagcctgaa ggcttccgac accgccatgt actactgtac tcgcggcctt
300

gtgatggact actggggaca gggaactctc gtgaccgtgt cgtccgcctc taccaagggc
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cagcaaaagc caggccaagc cccgagactg ctcatctacg ccgcctcgaa cgtgcagagc
180

ggtattccgg cgcggttctc cggctcgggc agcgggaaccg attttaccct cactatctcg
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tcacttgaac ctgaggactt cgccgtgtac tactgccagc agtccattga ggacccgcct
300

actttcgggg ggggaaccaa agtcgagatc aagcggactg tggctgcacc aagtgtcttc
360

atcttcccgc catctgatga gcagttgaaa tctggaactg cctctgttgt gtgcctgctg
420

aataacttct atcccagaga ggccaaagta cagtggaagg tggataacgc cctccaatcg
480

ggtaactccc aggagagtgt cacagagcag gacagcaagg acagcaccta cagcctcagc
540

agcacctga cgctgagcaa agcagactac gagaaacaca aagtctacgc ctgcgaagtc
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Ser	Leu	Lys	Ile	Ser	Cys	Lys	Gly	Ser	Gly	Tyr	Ser	Phe	Thr	Ser	Ser
			20					25					30		

Trp	Ile	Asn	Trp	Val	Arg	Gln	Met	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Met
		35					40					45			

Gly	Arg	Ile	Tyr	Pro	Gly	Glu	Gly	Asp	Thr	Asn	Tyr	Asn	Gly	Asn	Phe
	50					55					60				

Glu	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	Leu	Val	Met	Asp	Tyr	Trp	Gly	Gln	Gly	Thr	Leu	Val	Thr
			100					105					110		

Val	Ser	Ser
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Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser Val Asp Tyr Asn
20 25 30

Gly Ile Ser Tyr Met His Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro
35 40 45

Arg Leu Leu Ile Tyr Ala Ala Ser Asn Val Gln 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 Gln Ser Ile
85 90 95

Glu Asp Pro Pro Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
100 105 110