

LISTADO DE SECUENCIAS

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 55 Arg Arg Tyr Leu Leu His Glu Gln Arg Glu Asp Gly Thr Trp Ala Leu
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 His Ser Leu Gln Ser Phe Pro Val Arg Arg Phe Val Pro Arg Glu Ala
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[illegible]

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<220>

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 Gly Phe Pro Cys His Phe Tyr Leu Lys Tyr His Tyr Tyr Gln Gln His
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 Ala Leu Arg Ser Leu Gly Tyr Ala Glu Asp Asp Pro Ala Val Ser Lys
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 40 Phe Ser Ile Tyr Asn Phe Ala Gln Trp Ala Arg Ala Thr Met Met Pro
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 Asp Arg Leu Asp Ala Leu Phe Pro Gly Gly Arg Ala Asn Phe Asp Tyr
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 45 Glu Leu Pro Thr Lys Glu Gly Arg Asp Val Ile Ala Asp Phe Phe Arg
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 50 Ala Pro Ser Arg Glu Ala Ala Ile Lys Tyr Val Leu Glu Trp Ile Ile
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 Trp His Gln Asp Ala Asp Gly Gly Trp Gly Gly Ile Gln Pro Pro Trp
 305 310 315 320
 Val Tyr Gly Leu Met Ala Leu His Gly Glu Gly Tyr Gln Phe His His
 325 330 335

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	Arg	Tyr	Leu	Ile	Asp	Leu	Gln	Glu	Glu	Asp	Gly	Ser	Trp	Asn	Glu	Glu
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15 Leu Cys His Ile Leu Asp Arg Val Asp Arg Asp Arg Met Glu Lys Ile
    50      55      60
    Arg Arg Tyr Leu Leu His Glu Gln Arg Glu Asp Gly Thr Trp Ala Leu
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        85      90      95
20 Ala Leu Lys Tyr Ile Gly Met Ser Arg Asp Glu Glu Pro Met Gln Lys
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    115      120      125
25 Phe Thr Arg Arg Trp Leu Ala Leu Val Gly Glu Tyr Pro Trp Glu Lys
    130      135      140
    Val Pro Met Val Pro Pro Glu Ile Met Phe Leu Gly Lys Arg Met Pro
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    195      200      205
35 Gly Ala Lys Gly Gly Gly Gly Trp Ile Phe Asp Ala Leu Asp Arg Val
    210      215      220
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    Glu Ile Arg Ala Leu Asp Trp Leu Leu Glu Arg Gln Ala Gly Asp Gly
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    Lys Ile Leu Asp Met Thr Gln His Pro Ala Phe Ile Lys Gly Trp Glu
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    Val Lys Arg Pro Asn Leu Lys Pro Gly Gly Phe Ala Phe Gln Phe Asp
    355      360      365
55 Asn Val Tyr Tyr Pro Asp Val Asp Asp Thr Ala Val Val Val Trp Ala
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 405 410 415
 5 Trp Gly Ala Tyr Asp Val Asp Asn Thr Ser Asp Leu Pro Asn His Thr
 420 425 430
 Pro Phe Cys Asp Phe Gly Glu Val Thr Asp Pro Pro Ser Glu Asp Val
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 10 Thr Ala His Val Leu Glu Cys Phe Gly Ser Phe Gly Tyr Asp Asp Ala
 450 455 460
 Trp Lys Val Ile Arg Arg Ala Val Glu Tyr Leu Lys Arg Glu Gln Lys
 465 470 475 480
 Pro Asp Gly Ser Trp Phe Gly Arg Trp Gly Val Asn Tyr Leu Tyr Gly
 485 490 495
 15 Thr Gly Ala Val Ser Ala Leu Lys Ala Val Gly Ile Asp Thr Arg
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 Glu Pro Tyr Ile Gln Lys Ala Leu Asp Trp Val Glu Gln His Gln Asn
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 20 Pro Asp Gly Gly Trp Gly Glu Asp Cys Arg Ser Tyr Glu Asp Pro Ala
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 580 585 590
 Glu Pro Tyr Thr Gly Thr Gly Phe Pro Gly Asp Phe Tyr Leu Gly
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 Arg Arg Tyr Leu Leu His Glu Gln Arg Glu Asp Gly Thr Trp Ala Leu
 65 70 75 80
 50 Tyr Pro Gly Gly Pro Pro Asp Leu Asp Thr Thr Ile Glu Ala Tyr Val
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 Ala Leu Lys Tyr Ile Gly Met Ser Arg Asp Glu Glu Pro Met Gln Lys
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	Leu 210	His	Gly	Tyr	Gln	Lys	Leu 215	Ser	Val	His	Pro	Phe 220	Arg	Arg	Ala
	Glu 225	Ile	Arg	Ala	Leu	Asp	Trp	Leu	Leu	Glu	Arg	Gln	Ala	Gly	Asp
15	Ser	Trp	Gly	Gly	Ile	Gln	Pro	Pro	Trp	Phe	Tyr	Ala	Leu	Ile	Ala
	Lys	Ile	Leu	Asp	Met	Thr	Gln	His	Pro	Ala	Phe	Ile	Lys	Gly	Trp
	Gly	Leu 275	Glu	Leu	Tyr	Gly	Val 280	Glu	Leu	Asp	Tyr	Gly 285	Gly	Trp	Met
	Gln 290	Ala	Ser	Ile	Ser	Pro	Val 295	Trp	Asp	Thr	Gly 300	Leu	Ala	Val	Leu
20	Leu 305	Arg	Ala	Ala	Gly	Leu	Pro	Ala	Asp	His	Asp	Arg	Leu	Val	Lys
	Gly	Glu	Trp	Leu	Leu	Asp	Arg	Gln	Ile	Thr	Val	Pro	Gly	Asp	Trp
	Val	Lys	Arg	Pro	Asn	Leu	Lys	Pro	Gly	Gly	Phe	Ala	Phe	Gln	Phe
	Asn	Val 355	Tyr	Tyr	Pro	Asp	Val 360	Asp	Asp	Thr	Ala	Val	Val	Val	Trp
25	Leu 370	Asn	Thr	Leu	Arg	Leu	Pro	Asp	Glu	Arg	Arg	Arg	Arg	Asp	Ala
	Thr	Lys	Gly	Phe	Arg	Trp	Ile	Val	Gly	Met	Gln	Ser	Ser	Asn	Gly
	Trp	Gly	Ala	Tyr	Asp	Val	Asp	Asn	Thr	Ser	Asp	Leu	Pro	Asn	His
	Pro	Phe	Cys	Asp	Phe	Gly	Glu	Val	Thr	Asp	Pro	Pro	Ser	Glu	Asp
30	Thr	Ala 435	His	Val	Leu	Glu	Cys	Phe	Gly	Ser	Phe	Gly 440	Tyr	Asp	Asp
	Trp	Lys	Val	Ile	Arg	Arg	Ala	Val	Glu	Tyr	Leu	Lys	Arg	Glu	Gln
	Pro	Asp	Gly	Ser	Trp	Phe	Gly	Arg	Trp	Gly	Val	Asn	Tyr	Leu	Tyr
	Thr	Gly	Ala	Val	Val	Ser	Ala	Leu	Lys	Ala	Val	Gly	Ile	Asp	Thr
35	Glu	Pro	Tyr	Ile	Gln	Lys	Ala	Leu	Asp	Trp	Val	Glu	Gln	His	Gln
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	Tyr	Ala	Gly	Lys	Gly	Ala	Ser	Thr	Pro	Ser	Gln	Thr	Ala	Trp	Ala
	Leu	Ala	Gly	Lys	Gly	Ala	Ser	Thr	Pro	Ser	Gln	Thr	Ala	Trp	Ala
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	Val	Ala	Gly	Lys	Gly	Ala	Ser	Thr	Pro	Ser	Gln	Thr	Ala	Trp	Ala
	Val	Ala	Gly	Lys	Gly	Ala	Ser	Thr	Pro	Ser	Gln	Thr	Ala	Trp	Ala
45	Val	Ala	Gly	Lys	Gly	Ala	Ser	Thr	Pro	Ser	Gln	Thr	Ala	Trp	Ala
	Val	Ala	Gly	Lys	Gly	Ala	Ser	Thr	Pro	Ser	Gln	Thr	Ala	Trp	Ala
	Val	Ala	Gly	Lys	Gly	Ala	Ser	Thr	Pro	Ser	Gln	Thr	Ala	Trp	Ala
	Val	Ala	Gly	Lys	Gly	Ala	Ser	Thr	Pro	Ser	Gln	Thr	Ala	Trp	Ala
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	Val	Ala	Gly	Lys	Gly	Ala	Ser	Thr	Pro	Ser	Gln	Thr	Ala	Trp	Ala
	Val	Ala	Gly	Lys	Gly	Ala	Ser	Thr	Pro	Ser	Gln	Thr	Ala	Trp	Ala
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Met Ala Leu Ile Ala Gly Gly Arg Ala Glu Ser Glu Ala Ala Arg Arg
 Gly Val Gln Tyr Leu Val Glu Thr Gln Arg Pro Asp Gly Gly Trp Asp
 5 Glu Pro Tyr Tyr Thr Gly Thr Gly Phe Pro Gly Asp Phe Tyr Leu Gly
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 Leu Cys His Ile Leu Asp Arg Val Asp Arg Asp Arg Met Glu Lys Ile
 25 Arg Arg Tyr Leu Leu His Glu Gln Arg Glu Asp Gly Thr Trp Ala Leu
 Tyr Pro Gly Gly Pro Pro Asp Leu Asp Thr Thr Ile Glu Ala Tyr Val
 30 Ala Leu Lys Tyr Ile Gly Met Ser Arg Asp Glu Glu Pro Met Gln Lys
 Ala Leu Arg Phe Ile Gln Ser Gln Gly Gly Ile Glu Ser Ser Arg Val
 35 Phe Thr Arg Arg Trp Leu Ala Leu Val Gly Glu Tyr Pro Trp Glu Lys
 Val Pro Met Val Pro Pro Glu Ile Met Phe Leu Gly Lys Arg Met Pro
 Leu Asn Ile Tyr Glu Phe Gly Ser Trp Ala Arg Ala Thr Ile Val Ala
 40 Leu Ser Ile Val Met Ser Arg Gln Pro Val Phe Pro Leu Pro Glu Arg
 Ala Arg Val Pro Glu Leu Tyr Glu Thr Asp Val Pro Pro Arg Arg Arg
 45 Gly Ala Lys Gly Gly Gly Gly Trp Ile Phe Asp Ala Leu Asp Arg Val
 Leu His Gly Tyr Gln Lys Leu Ser Val His Pro Phe Arg Arg Ala Ala
 Glu Ile Arg Ala Leu Asp Trp Leu Leu Glu Arg Gln Ala Gly Asp Gly
 50 Ser Trp Gly Gly Ile Gln Pro Pro Trp Phe Tyr Ala Leu Ile Ala Leu
 Lys Ile Leu Asp Met Thr Gln His Pro Ala Phe Ile Lys Gly Trp Glu
 Gly Leu Glu Leu Tyr Gly Val Glu Leu Asp Tyr Gly Gly Trp Met Phe
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	Gln	Ala	Ser	Ile	Ser	Pro	Val	Trp	Asp	Thr	Gly	Leu	Ala	Val	Leu	Ala
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	Leu	Arg	Ala	Ala	Gly	Leu	Pro	Ala	Asp	His	Asp	Arg	Leu	Val	Lys	Ala
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5	Gly	Glu	Trp	Leu	Leu	Asp	Arg	Gln	Ile	Thr	Val	Pro	Gly	Asp	Trp	Ala
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		355						360					365			
10	Asn	Val	Tyr	Tyr	Pro	Asp	Val	Asp	Asp	Thr	Ala	Val	Val	Val	Trp	Ala
	370						375					380				
	Leu	Asn	Thr	Leu	Arg	Leu	Pro	Asp	Glu	Arg	Arg	Arg	Arg	Asp	Ala	Met
	385					390					395					400
	Thr	Lys	Gly	Phe	Arg	Trp	Ile	Val	Gly	Met	Gln	Ser	Ser	Asn	Gly	Gly
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15	Trp	Gly	Ala	Tyr	Asp	Val	Asp	Asn	Thr	Ser	Asp	Leu	Pro	Asn	His	Thr
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	Pro	Phe	Cys	Asp	Phe	Gly	Glu	Val	Thr	Asp	Pro	Pro	Ser	Glu	Asp	Val
		435						440					445			
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	450					455						460				
	Trp	Lys	Val	Ile	Arg	Arg	Ala	Val	Glu	Tyr	Leu	Lys	Arg	Glu	Gln	Lys
	465					470					475					480
	Pro	Asp	Gly	Ser	Trp	Phe	Gly	Arg	Trp	Gly	Val	Asn	Tyr	Leu	Tyr	Gly
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25	Thr	Gly	Ala	Val	Val	Ser	Ala	Leu	Lys	Ala	Val	Gly	Ile	Asp	Thr	Arg
				500					505					510		
	Glu	Pro	Tyr	Ile	Gln	Lys	Ala	Leu	Asp	Trp	Val	Glu	Gln	His	Gln	Asn
		515						520					525			
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	530					535						540				
	Tyr	Ala	Gly	Lys	Gly	Ala	Ser	Thr	Pro	Ser	Gln	Thr	Ala	Trp	Ala	Leu
	545					550					555					560
	Met	Ala	Leu	Ile	Ala	Gly	Gly	Arg	Ala	Glu	Ser	Glu	Ala	Ala	Arg	Arg
				565						570					575	
35	Gly	Val	Gln	Tyr	Leu	Val	Glu	Thr	Gln	Arg	Pro	Asp	Gly	Gly	Trp	Asp
				580					585					590		
	Glu	Pro	Tyr	Tyr	Thr	Gly	Thr	Gly	Tyr	Pro	Gly	Asp	Phe	Tyr	Leu	Gly
		595				600							605			
40	Tyr	Thr	Met	Tyr	Arg	His	Val	Phe	Pro	Thr	Leu	Ala	Leu	Gly	Arg	Tyr
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			20						25				30			
55	Trp	Gly	Pro	Leu	Gln	Ser	Asn	Val	Thr	Met	Glu	Ala	Glu	Tyr	Val	Leu
		35						40					45			

5	Leu 50	Cys	His	Ile	Leu	Asp	Arg 55	Val	Asp	Arg	Asp	Arg 60	Met	Glu	Lys	Ile
	Arg 65	Arg	Tyr	Leu	Leu	His 70	Glu	Gln	Arg	Glu	Asp 75	Gly	Thr	Trp	Ala	Leu 80
	Tyr	Pro	Gly	Gly	Pro 85	Pro	Asp	Leu	Asp	Thr 90	Thr	Ile	Glu	Ala	Tyr 95	Val
10	Ala	Leu	Lys	Tyr 100	Ile	Gly	Met	Ser	Arg 105	Asp	Glu	Glu	Pro	Met 110	Gln	Lys
	Ala	Leu	Arg 115	Phe	Ile	Gln	Ser	Gln 120	Gly	Gly	Ile	Glu	Ser	Ser	Arg	Val
	Phe 130	Thr	Arg	Arg	Trp	Leu	Ala 135	Leu	Val	Gly	Glu	Tyr 140	Pro	Trp	Glu	Lys
15	Val 145	Pro	Met	Val	Pro	Pro 150	Glu	Ile	Met	Phe	Leu 155	Gly	Lys	Arg	Met	Pro 160
	Leu	Asn	Ile	Tyr 165	Glu	Phe	Gly	Ser	Trp	Ala 170	Arg	Ala	Thr	Ile	Val 175	Ala
	Leu	Ser	Ile 180	Val	Met	Ser	Arg	Gln	Pro 185	Val	Phe	Pro	Leu	Pro	Glu	Arg
20	Ala	Arg	Val 195	Pro	Glu	Leu	Tyr	Glu 200	Thr	Asp	Val	Pro	Pro	Arg	Arg	Arg
	Gly	Ala 210	Lys	Gly	Gly	Gly	Gly 215	Trp	Ile	Phe	Asp	Ala 220	Leu	Asp	Arg	Val
	Leu 225	His	Gly	Tyr	Gln	Lys 230	Leu	Ser	Val	His	Pro 235	Phe	Arg	Arg	Ala	Ala 240
25	Glu	Ile	Arg	Ala 245	Leu	Asp	Trp	Leu	Leu 250	Glu	Arg	Gln	Ala	Gly	Asp 255	Gly
	Ser	Trp	Gly 260	Gly	Ile	Gln	Pro	Pro	Trp 265	Phe	Tyr	Ala	Leu	Ile	Ala	Leu
	Lys	Ile 275	Leu	Asp	Met	Thr	Gln	His 280	Pro	Ala	Phe	Ile	Lys	Gly	Trp	Glu
30	Gly	Leu 290	Glu	Leu	Tyr	Gly	Val 295	Glu	Leu	Asp	Tyr	Gly 300	Gly	Trp	Met	Phe
	Gln 305	Ala	Ser	Ile	Ser	Pro 310	Val	Trp	Asp	Thr	Gly 315	Leu	Ala	Val	Leu	Ala 320
	Leu	Arg	Ala 325	Ala	Gly	Leu	Pro	Ala	Asp 330	His	Asp	Arg	Leu	Val	Lys	Ala 335
40	Gly	Glu	Trp 340	Leu	Leu	Asp	Arg	Gln	Ile 345	Thr	Val	Pro	Gly	Asp	Trp	Ala
	Val	Lys 355	Arg	Pro	Asn	Leu	Lys	Pro 360	Gly	Gly	Phe	Ala	Phe	Gln	Phe	Asp
	Asn 370	Val	Tyr	Tyr	Pro	Asp	Val 375	Asp	Asp	Thr	Ala	Val 380	Val	Val	Trp	Ala
45	Leu 385	Asn	Thr	Leu	Arg	Leu 390	Pro	Asp	Glu	Arg	Arg 395	Arg	Arg	Asp	Ala	Met 400
	Thr	Lys	Gly 405	Phe	Arg	Trp	Ile	Val	Gly	Met 410	Gln	Ser	Ser	Asn	Gly	Gly
	Trp	Gly	Ala 420	Tyr	Asp	Val	Asp	Asn	Thr 425	Ser	Asp	Leu	Pro	Asn	His	Thr
50	Pro	Phe 435	Cys	Asp	Phe	Gly	Glu	Val 440	Thr	Asp	Pro	Pro	Ser	Glu	Asp	Val
	Thr	Ala 450	His	Val	Leu	Glu	Cys 455	Phe	Gly	Ser	Phe	Gly 460	Tyr	Asp	Asp	Ala
	Trp 465	Lys	Val	Ile	Arg	Arg 470	Ala	Val	Glu	Tyr	Leu 475	Lys	Arg	Glu	Gln	Lys 480

Pro Asp Gly Ser Trp Phe Gly Arg Trp Gly Val Asn Tyr Leu Tyr Gly
 Thr Gly Ala Val Val Ser Ala Leu Lys Ala Val Gly Ile Asp Thr Arg
 5 Glu Pro Tyr Ile Gln Lys Ala Leu Asp Trp Val Glu Gln His Gln Asn
 Pro Asp Gly Gly Trp Gly Glu Asp Cys Arg Ser Tyr Glu Asp Pro Ala
 Tyr Ala Gly Lys Gly Ala Ser Thr Pro Ser Gln Thr Ala Trp Ala Leu
 10 545 550 555 560
 Met Ala Leu Ile Ala Gly Gly Arg Ala Glu Ser Glu Ala Ala Arg Arg
 Gly Val Gln Tyr Leu Val Glu Thr Gln Arg Pro Asp Gly Gly Trp Asp
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 35 Thr Phe Asp Leu Asp Lys Glu Val Leu Ile Lys Gln Leu Thr Glu Arg
 Ile Val Ser Leu Gln Asn Glu Asp Gly Leu Trp Thr Leu Phe Asp Asp
 40 Glu Glu His Asn Leu Ser Ala Thr Ile Gln Ala Tyr Thr Ala Leu Leu
 Tyr Ser Gly Tyr Tyr Gln Lys Asn Asp Arg Ile Leu Arg Lys Ala Glu
 Arg Tyr Ile Ile Asp Ser Gly Gly Ile Ser Arg Ala His Phe Leu Thr
 45 Arg Trp Met Leu Ser Val Asn Gly Leu Tyr Glu Trp Pro Lys Leu Phe
 Tyr Leu Pro Leu Ser Leu Leu Leu Val Pro Thr Tyr Val Pro Leu Asn
 Phe Tyr Glu Leu Ser Thr Tyr Ala Arg Ile His Phe Val Pro Met Met
 50 Val Ala Gly Asn Lys Lys Phe Ser Leu Thr Ser Arg His Thr Pro Ser
 Leu Ser His Leu Asp Val Arg Glu Gln Lys Gln Glu Ser Glu Glu Thr
 55 195 200 205

5	Thr 210	Gln 225	Glu 225	Ser 245	Arg 245	Ala 230	Ser 215	Ile 215	Phe 235	Leu 235	Val 220	Asp 220	His 220	Leu 240	Lys 240	Gln 240
	Leu 225	Ala 235	Ser 235	Leu 245	Pro 245	Ser 230	Tyr 230	Ile 230	His 235	Lys 235	Leu 235	Gly 235	Tyr 235	Gln 255	Ala 255	Ala 240
	Glu 245	Arg 250	Tyr 250	Met 260	Leu 260	Glu 245	Arg 245	Ile 265	Glu 265	Lys 250	Asp 250	Gly 250	Thr 250	Leu 270	Tyr 255	Ser 255
10	Tyr 260	Ala 275	Thr 275	Ser 280	Thr 280	Phe 280	Phe 280	Met 280	Ile 280	Tyr 280	Gly 280	Leu 280	Leu 280	Ala 270	Leu 270	Gly 270
	Tyr 275	Lys 285	Lys 285	Asp 285	Ser 285	Phe 285	Val 285	Ile 285	Gln 285	Lys 285	Ala 285	Ile 285	Asp 285	Gly 285	Ile 285	Cys 285
	Ser 290	Leu 290	Leu 290	Ser 290	Thr 290	Cys 290	Ser 290	Gly 290	His 290	Val 290	His 290	Val 290	Glu 290	Asn 290	Ser 290	Thr 290
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	Gly 310	Val 325	Pro 325	Gln 325	Gln 325	Asp 325	Pro 325	Met 325	Ile 325	Lys 325	Gly 325	Thr 325	Thr 325	Arg 325	Tyr 325	Leu 320
	Lys 325	Lys 340	Arg 340	Gln 340	His 340	Thr 340	Lys 340	Leu 340	Gly 340	Asp 340	Trp 340	Gln 340	Phe 340	His 340	Asn 340	Pro 340
20	Asn 345	Thr 355	Ala 355	Pro 355	Gly 355	Gly 355	Trp 355	Gly 355	Phe 355	Ser 355	Asp 355	Ile 355	Asn 355	Thr 355	Asn 355	Asn 355
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	Ala 375	Gln 385	Thr 385	Asp 385	Thr 385	Asp 385	Tyr 385	Leu 385	Glu 385	Ser 385	Trp 385	Gln 385	Arg 385	Gly 385	Ile 385	Asn 385
25	Trp 390	Leu 405	Leu 405	Ser 405	Met 405	Gln 405	Asn 405	Lys 405	Asp 405	Gly 405	Phe 405	Ala 405	Ala 405	Phe 405	Glu 405	Ala 400
	Lys 410	Asn 420	Thr 420	Asp 420	Ser 420	Ile 420	Leu 420	Phe 420	Thr 420	Tyr 420	Leu 420	Pro 420	Leu 420	Glu 420	Asn 420	Ala 420
	Lys 425	Asp 435	Ala 435	Ala 435	Thr 435	Asp 435	Pro 435	Ala 435	Thr 435	Ala 435	Asp 435	Leu 435	Thr 435	Gly 435	Arg 435	Val 435
30	Leu 440	Glu 450	Cys 450	Leu 450	Gly 450	Asn 450	Phe 450	Ala 450	Gly 450	Met 450	Asn 450	Lys 450	Ser 450	His 450	Pro 450	Ser 450
	Ile 455	Lys 465	Ala 465	Ala 465	Val 465	Lys 465	Trp 465	Leu 465	Phe 465	Asp 465	His 465	Gln 465	Leu 465	Asp 465	Asn 465	Gly 465
	Ser 470	Trp 485	Tyr 485	Gly 485	Arg 485	Trp 485	Gly 485	Val 485	Cys 485	Tyr 485	Ile 485	Tyr 485	Gly 485	Thr 485	Trp 485	Ala 480
35	Ala 490	Ile 500	Thr 500	Gly 500	Leu 500	Arg 500	Ala 500	Val 500	Gly 500	Val 500	Ser 500	Ala 500	Ser 500	Asp 500	Pro 500	Arg 500
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40	Leu 535	Ser 545	Phe 545	Ser 545	Thr 545	Pro 545	Ser 545	Gln 545	Thr 545	Ala 545	Trp 545	Ala 545	Leu 545	Asp 545	Ala 545	Leu 545
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 15 Gln Ala Glu Gly Pro Glu Arg Ser Gly Pro Leu Asp Pro Ala Gln Ala
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 Trp Trp Lys Gly Asp Leu Glu Thr Asn Val Thr Met Asp Ala Glu Asp
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 115 120 125
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 Tyr Val Ala Leu Lys Leu Ala Gly Asp Asp Pro Gly Ala Pro His Met
 145 150 155 160
 Ala Ala Ala Ala Arg Tyr Val Arg Glu Arg Gly Gly Ile Ala Ala Ser
 165 170 175
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 180 185 190
 Glu Arg Leu Pro Glu Met Pro Pro Glu Ile Ile Phe Leu Pro Arg Trp
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 210 215 220
 Val Pro Leu Thr Val Val Ser Ala His Arg Pro Val Arg Pro Ala Pro
 225 230 235 240
 Phe Asp Leu Thr Glu Leu His Thr Asp Pro Ala Asp Pro Tyr Pro Leu
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 40 Arg Pro Leu Ala Pro Pro Thr Gly Trp Asp Gly Val Phe Glu Arg Leu
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 Asp Leu Val Leu His Ala Tyr His Lys Arg Ala Leu Arg Pro Leu Arg
 275 280 285
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 Ile Ala Leu His Leu Leu Gly Tyr Asp Leu Glu His Pro Val Met Arg
 325 330 335
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 340 345 350
 Arg Arg Trp Leu Glu Ala Cys Gln Ser Pro Val Trp Asp Thr Cys Leu
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 55 Ala Thr Ile Ala Leu Arg Asp Ala Gly Leu Pro Ala Asp His Pro Ala
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	Pro	Asn	Lys	Leu	Pro	Phe	Cys	Asp	Phe	Gly	Glu	Val	Val	Asp	Pro	Pro
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15	Ser	Ala	Asp	Val	Thr	Ala	His	Val	Val	Glu	Met	Leu	Ala	Glu	Thr	Gly
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	Asp	Pro	Val	Arg	Trp	Ser	Gly	Arg	Gly	Asp	Ser	Thr	Ala	Ser	Gln	Thr
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	Ala	Arg	Ser	Glu	Val	Val	Glu	Arg	Gly	Val	Gln	Trp	Leu	Cys	Arg	Thr
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	Gln	Leu	Pro	Ser	Gly	Ser	Trp	Asp	Glu	Pro	Gln	Phe	Thr	Gly	Thr	Gly
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	Pro	Val	Thr	Ala	Leu	Gly	Arg	Tyr	Leu	His	Gly	Ser	Pro	Leu	Thr	Gly
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	Gln	Gln	Asp	Asp	Gly	His	Trp	Val	Tyr	Glu	Leu	Glu	Ala	Asp	Ala	Thr
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	Glu	Glu	His	Gly	Gly	Trp	Pro	Leu	Tyr	His	Asn	Gly	Lys	Phe	Asp	Leu
					85					90					95	
5	Ser	Ala	Thr	Val	Lys	Ala	Tyr	Phe	Ala	Leu	Lys	Ala	Val	Gly	Asp	Asp
				100					105					110		
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			115					120					125			
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		130					135					140				
	Phe	Gly	Glu	Val	Pro	Trp	Arg	Ala	Thr	Pro	Val	Met	Pro	Val	Glu	Leu
	145					150					155					160
	Met	Leu	Leu	Pro	Ala	Lys	Ala	Phe	Phe	Ser	Val	Trp	Asn	Met	Ser	Tyr
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15	Trp	Ser	Arg	Thr	Val	Ile	Ala	Pro	Leu	Leu	Val	Leu	Ala	Ala	Leu	Arg
				180					185					190		
	Pro	Val	Ala	Ala	Asn	Pro	Arg	Gln	Val	His	Val	Arg	Glu	Leu	Phe	Val
			195					200					205			
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		210					215					220				
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	225					230					235					240
25	Val	Pro	Phe	Ile	Pro	Glu	Lys	Thr	His	Lys	Lys	Ala	Ile	Gln	Ala	Ala
				245						250					255	
	Leu	Asp	Phe	Ile	Glu	Pro	Arg	Leu	Asn	Gly	Lys	Asp	Gly	Leu	Gly	Ala
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		275						280					285			
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		290					295					300				
	Ala	Leu	Ile	Val	Glu	Lys	Asp	Asp	Glu	Ala	Tyr	Cys	Gln	Pro	Cys	Val
	305					310					315					320
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			355					360					365			
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			435					440					445			
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		450					455					460				
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	465					470					475					480
55	Asp	Glu	Pro	Val	Ile	Gln	Arg	Gly	Leu	Glu	Tyr	Leu	Arg	Lys	Glu	Gln
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	Glu	Lys	Asp	Gly	Ser	Trp	Phe	Gly	Arg	Trp	Gly	Thr	Asn	Tyr	Ile	Tyr
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	Gly	Thr	Trp	Ser	Ala	Leu	Cys	Ala	Leu	Asn	Ala	Ala	Gly	Val	Ser	His
			515					520					525			
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	545					550					555					560
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	625					630					635					640
20	Tyr	Arg	Asn	Leu	Glu	Ser	Ser	Asn	Thr	Arg	Arg	Val	Ser	Phe	Gly	Phe
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