

SEQUENCE LISTING

<110> Regeneron Pharmaceuticals, Inc.

<120> GPR156 Variants And Uses Thereof

<130> 189238.00702 WO

<150> 62/367,973

<151> 2016-07-28

<160> 42

<170> PatentIn version 3.5

<210> 1

<211> 814

<212> PRT

<213> Homo sapien

<220>

<223> Wild type GPR156 isoform 1 protein

<220>

<221> MOD_RES

<222> (516)..(516)

<223> Xaa is glutamic acid or aspartic acid

<400> 1

Met Glu Pro Glu Ile Asn Cys Ser Glu Leu Cys Asp Ser Phe Pro Gly
1 5 10 15

Gln Glu Leu Asp Arg Arg Pro Leu His Asp Leu Cys Lys Thr Thr Ile
20 25 30

Thr Ser Ser His His Ser Ser Lys Thr Ile Ser Ser Leu Ser Pro Val
35 40 45

Leu Leu Gly Ile Val Trp Thr Phe Leu Ser Cys Gly Leu Leu Leu Ile
50 55 60

Leu Phe Phe Leu Ala Phe Thr Ile His Cys Arg Lys Asn Arg Ile Val
65 70 75 80

Lys Met Ser Ser Pro Asn Leu Asn Ile Val Thr Leu Leu Gly Ser Cys
85 90 95

Leu Thr Tyr Ser Ser Ala Tyr Leu Phe Gly Ile Gln Asp Val Leu Val
100 105 110

Gly	Ser	Ser	Met	Glu	Thr	Leu	Ile	Gln	Thr	Arg	Leu	Ser	Met	Leu	Cys
		115					120					125			
Ile	Gly	Thr	Ser	Leu	Val	Phe	Gly	Pro	Ile	Leu	Gly	Lys	Ser	Trp	Arg
	130					135					140				
Leu	Tyr	Lys	Val	Phe	Thr	Gln	Arg	Val	Pro	Asp	Lys	Arg	Val	Ile	Ile
145					150					155					160
Lys	Asp	Leu	Gln	Leu	Leu	Gly	Leu	Val	Ala	Ala	Leu	Leu	Met	Ala	Asp
			165						170					175	
Val	Ile	Leu	Leu	Met	Thr	Trp	Val	Leu	Thr	Asp	Pro	Ile	Gln	Cys	Leu
		180						185					190		
Gln	Ile	Leu	Ser	Val	Ser	Met	Thr	Val	Thr	Gly	Lys	Asp	Val	Ser	Cys
	195					200						205			
Thr	Ser	Thr	Ser	Thr	His	Phe	Cys	Ala	Ser	Arg	Tyr	Ser	Asp	Val	Trp
	210					215					220				
Ile	Ala	Leu	Ile	Trp	Gly	Cys	Lys	Gly	Leu	Leu	Leu	Leu	Tyr	Gly	Ala
225					230					235					240
Tyr	Leu	Ala	Gly	Leu	Thr	Gly	His	Val	Ser	Ser	Pro	Pro	Val	Asn	Gln
			245						250					255	
Ser	Leu	Thr	Ile	Met	Val	Gly	Val	Asn	Leu	Leu	Val	Leu	Ala	Ala	Gly
			260					265					270		
Leu	Leu	Phe	Val	Val	Thr	Arg	Tyr	Leu	His	Ser	Trp	Pro	Asn	Leu	Val
		275					280					285			
Phe	Gly	Leu	Thr	Ser	Gly	Gly	Ile	Phe	Val	Cys	Thr	Thr	Thr	Ile	Asn
	290					295					300				
Cys	Phe	Ile	Phe	Ile	Pro	Gln	Leu	Lys	Gln	Trp	Lys	Ala	Phe	Glu	Glu
305					310					315					320
Glu	Asn	Gln	Thr	Ile	Arg	Arg	Met	Ala	Lys	Tyr	Phe	Ser	Thr	Pro	Asn
			325						330					335	
Lys	Ser	Phe	His	Thr	Gln	Tyr	Gly	Glu	Glu	Glu	Asn	Cys	His	Pro	Arg
			340					345					350		
Gly	Glu	Lys	Ser	Ser	Met	Glu	Arg	Leu	Leu	Thr	Glu	Lys	Asn	Ala	Val
		355					360					365			
Ile	Glu	Ser	Leu	Gln	Glu	Gln	Val	Asn	Asn	Ala	Lys	Glu	Lys	Ile	Val
	370					375					380				

Arg	Leu	Met	Ser	Ala	Glu	Cys	Thr	Tyr	Asp	Leu	Pro	Glu	Gly	Ala	Ala	385	390	395	400
Pro	Pro	Ala	Ser	Ser	Pro	Asn	Lys	Asp	Val	Gln	Ala	Val	Ala	Ser	Val		405	410	415
His	Thr	Leu	Ala	Ala	Ala	Gln	Gly	Pro	Ser	Gly	His	Leu	Ser	Asp	Phe		420	425	430
Gln	Asn	Asp	Pro	Gly	Met	Ala	Ala	Arg	Asp	Ser	Gln	Cys	Thr	Ser	Gly		435	440	445
Pro	Ser	Ser	Tyr	Ala	Gln	Ser	Leu	Glu	Gly	Pro	Gly	Lys	Asp	Ser	Ser		450	455	460
Phe	Ser	Pro	Gly	Lys	Glu	Glu	Lys	Ile	Ser	Asp	Ser	Lys	Asp	Phe	Ser	465	470	475	480
Asp	His	Leu	Asp	Ser	Gly	Cys	Ser	Gln	Lys	Pro	Trp	Thr	Glu	Gln	Ser		485	490	495
Leu	Gly	Pro	Glu	Arg	Gly	Asp	Gln	Val	Pro	Met	Asn	Pro	Ser	Gln	Ser		500	505	510
Leu	Leu	Pro	Xaa	Arg	Gly	Gly	Ser	Asp	Pro	Gln	Arg	Gln	Arg	His	Leu		515	520	525
Glu	Asn	Ser	Glu	Glu	Pro	Pro	Glu	Arg	Arg	Ser	Arg	Val	Ser	Ser	Val	530	535	540	
Ile	Arg	Glu	Lys	Leu	Gln	Glu	Val	Leu	Gln	Asp	Leu	Gly	Leu	Gly	Pro	545	550	555	560
Glu	Ala	Ser	Leu	Ser	Thr	Ala	Pro	Ser	Cys	His	Gln	Gln	Thr	Trp	Lys		565	570	575
Asn	Ser	Ala	Ala	Phe	Ser	Pro	Gln	Lys	Met	Pro	Leu	Ser	Lys	Glu	Leu		580	585	590
Gly	Phe	Ser	Pro	Tyr	Met	Val	Arg	Arg	Arg	Arg	Ala	Ala	Gln	Arg	Ala		595	600	605
Arg	Ser	His	Phe	Pro	Gly	Ser	Ala	Pro	Ser	Ser	Val	Gly	His	Arg	Ala	610	615	620	
Asn	Arg	Thr	Val	Pro	Gly	Ala	His	Ser	Arg	Leu	His	Val	Gln	Asn	Gly	625	630	635	640
Asp	Ser	Pro	Ser	Leu	Ala	Pro	Gln	Thr	Thr	Asp	Ser	Arg	Val	Arg	Arg				

			20				25				30					
Thr	Ser	Ser	His	His	Ser	Ser	Lys	Thr	Ile	Ser	Ser	Leu	Ser	Pro	Val	
		35					40					45				
Leu	Leu	Gly	Ile	Val	Trp	Thr	Phe	Leu	Ser	Cys	Gly	Leu	Leu	Leu	Ile	
	50					55					60					
Leu	Phe	Phe	Leu	Ala	Phe	Thr	Ile	His	Cys	Arg	Lys	Asn	Arg	Ile	Val	
65					70					75					80	
Lys	Met	Ser	Ser	Pro	Asn	Leu	Asn	Ile	Val	Thr	Leu	Leu	Gly	Ser	Cys	
				85					90					95		
Leu	Thr	Tyr	Ser	Ser	Ala	Tyr	Leu	Phe	Gly	Ile	Gln	Asp	Val	Leu	Val	
			100					105					110			
Gly	Ser	Ser	Met	Glu	Thr	Leu	Ile	Gln	Thr	Arg	Leu	Ser	Met	Leu	Cys	
		115					120					125				
Ile	Gly	Thr	Ser	Leu	Val	Phe	Gly	Pro	Ile	Leu	Gly	Lys	Ser	Trp	Arg	
	130					135					140					
Leu	Tyr	Lys	Val	Phe	Thr	Gln	Arg	Val	Pro	Asp	Lys	Arg	Val	Ile	Ile	
145					150					155					160	
Lys	Asp	Leu	Gln	Leu	Leu	Gly	Leu	Val	Ala	Ala	Leu	Leu	Met	Ala	Asp	
				165					170					175		
Val	Ile	Leu	Leu	Met	Thr	Trp	Val	Leu	Thr	Asp	Pro	Ile	Gln	Cys	Leu	
			180					185					190			
Gln	Ile	Leu	Ser	Val	Thr	Gly	Lys	Asp	Val	Ser	Cys	Thr	Ser	Thr	Ser	
		195					200					205				
Thr	His	Phe	Cys	Ala	Ser	Arg	Tyr	Ser	Asp	Val	Trp	Ile	Ala	Leu	Ile	
	210					215					220					
Trp	Gly	Cys	Lys	Gly	Leu	Leu	Leu	Leu	Tyr	Gly	Ala	Tyr	Leu	Ala	Gly	
225					230					235					240	
Leu	Thr	Gly	His	Val	Ser	Ser	Pro	Pro	Val	Asn	Gln	Ser	Leu	Thr	Ile	
				245					250					255		
Met	Val	Gly	Val	Asn	Leu	Leu	Val	Leu	Ala	Ala	Gly	Leu	Leu	Phe	Val	
			260					265					270			
Val	Thr	Arg	Tyr	Leu	His	Ser	Trp	Pro	Asn	Leu	Val	Phe	Gly	Leu	Thr	
		275					280					285				

Ser Gly Gly Ile Phe Val Cys Thr Thr Thr Ile Asn Cys Phe Ile Phe
 290 295 300
 Ile Pro Gln Leu Lys Gln Trp Lys Ala Phe Glu Glu Glu Asn Gln Thr
 305 310 315 320
 Ile Arg Arg Met Ala Lys Tyr Phe Ser Thr Pro Asn Lys Ser Phe His
 325 330 335
 Thr Gln Tyr Gly Glu Glu Glu Asn Cys His Pro Arg Gly Glu Lys Ser
 340 345 350
 Ser Met Glu Arg Leu Leu Thr Glu Lys Asn Ala Val Ile Glu Ser Leu
 355 360 365
 Gln Glu Gln Val Asn Asn Ala Lys Glu Lys Ile Val Arg Leu Met Ser
 370 375 380
 Ala Glu Cys Thr Tyr Asp Leu Pro Glu Gly Ala Ala Pro Pro Ala Ser
 385 390 395 400
 Ser Pro Asn Lys Asp Val Gln Ala Val Ala Ser Val His Thr Leu Ala
 405 410 415
 Ala Ala Gln Gly Pro Ser Gly His Leu Ser Asp Phe Gln Asn Asp Pro
 420 425 430
 Gly Met Ala Ala Arg Asp Ser Gln Cys Thr Ser Gly Pro Ser Ser Tyr
 435 440 445
 Ala Gln Ser Leu Glu Gly Pro Gly Lys Asp Ser Ser Phe Ser Pro Gly
 450 455 460
 Lys Glu Glu Lys Ile Ser Asp Ser Lys Asp Phe Ser Asp His Leu Asp
 465 470 475 480
 Ser Gly Cys Ser Gln Lys Pro Trp Thr Glu Gln Ser Leu Gly Pro Glu
 485 490 495
 Arg Gly Asp Gln Val Pro Met Asn Pro Ser Gln Ser Leu Leu Pro Xaa
 500 505 510
 Arg Gly Gly Ser Asp Pro Gln Arg Gln Arg His Leu Glu Asn Ser Glu
 515 520 525
 Glu Pro Pro Glu Arg Arg Ser Arg Val Ser Ser Val Ile Arg Glu Lys
 530 535 540
 Leu Gln Glu Val Leu Gln Asp Leu Gly Leu Gly Pro Glu Ala Ser Leu
 545 550 555 560

Ser Thr Ala Pro Ser Cys His Gln Gln Thr Trp Lys Asn Ser Ala Ala
 565 570 575
 Phe Ser Pro Gln Lys Met Pro Leu Ser Lys Glu Leu Gly Phe Ser Pro
 580 585 590
 Tyr Met Val Arg Arg Arg Arg Ala Ala Gln Arg Ala Arg Ser His Phe
 595 600 605
 Pro Gly Ser Ala Pro Ser Ser Val Gly His Arg Ala Asn Arg Thr Val
 610 615 620
 Pro Gly Ala His Ser Arg Leu His Val Gln Asn Gly Asp Ser Pro Ser
 625 630 635 640
 Leu Ala Pro Gln Thr Thr Asp Ser Arg Val Arg Arg Pro Ser Ser Arg
 645 650 655
 Lys Pro Ser Leu Pro Ser Asp Pro Gln Asp Arg Pro Gly Thr Leu Glu
 660 665 670
 Gly Ser Lys Gln Ser Gln Thr Glu Pro Glu Gly Ala Arg Gly Ser Lys
 675 680 685
 Ala Ala Phe Leu Arg Gln Pro Ser Gly Ser Gly Arg Ala Pro Ser Pro
 690 695 700
 Ala Ala Pro Cys Leu Ser Lys Ala Ser Pro Asp Leu Pro Glu Gln Trp
 705 710 715 720
 Gln Leu Trp Pro Pro Val Pro Ser Gly Cys Ala Ser Leu Ser Ser Gln
 725 730 735
 His Ser Tyr Phe Asp Thr Glu Ser Ser Ser Asp Glu Phe Phe Cys
 740 745 750
 Arg Cys His Arg Pro Tyr Cys Glu Ile Cys Phe Gln Ser Ser Ser Asp
 755 760 765
 Ser Ser Asp Ser Gly Thr Ser Asp Thr Asp Pro Glu Pro Thr Gly Gly
 770 775 780
 Leu Ala Ser Trp Glu Lys Leu Trp Ala Arg Ser Lys Pro Ile Val Asn
 785 790 795 800
 Phe Lys Asp Asp Leu Lys Pro Thr Leu Val
 805 810

<211> 505
<212> PRT
<213> Artificial Sequence

<220>
<223> Wild type GPR156 protein, fragment 310-814

<220>
<221> MOD_RES
<222> (207)..(207)
<223> Xaa is glutamic acid or aspartic acid

<400> 3
Pro Gln Leu Lys Gln Trp Lys Ala Phe Glu Glu Glu Asn Gln Thr Ile
1 5 10 15
Arg Arg Met Ala Lys Tyr Phe Ser Thr Pro Asn Lys Ser Phe His Thr
20 25 30
Gln Tyr Gly Glu Glu Glu Asn Cys His Pro Arg Gly Glu Lys Ser Ser
35 40 45
Met Glu Arg Leu Leu Thr Glu Lys Asn Ala Val Ile Glu Ser Leu Gln
50 55 60
Glu Gln Val Asn Asn Ala Lys Glu Lys Ile Val Arg Leu Met Ser Ala
65 70 75 80
Glu Cys Thr Tyr Asp Leu Pro Glu Gly Ala Ala Pro Pro Ala Ser Ser
85 90 95
Pro Asn Lys Asp Val Gln Ala Val Ala Ser Val His Thr Leu Ala Ala
100 105 110
Ala Gln Gly Pro Ser Gly His Leu Ser Asp Phe Gln Asn Asp Pro Gly
115 120 125
Met Ala Ala Arg Asp Ser Gln Cys Thr Ser Gly Pro Ser Ser Tyr Ala
130 135 140
Gln Ser Leu Glu Gly Pro Gly Lys Asp Ser Ser Phe Ser Pro Gly Lys
145 150 155 160
Glu Glu Lys Ile Ser Asp Ser Lys Asp Phe Ser Asp His Leu Asp Ser
165 170 175
Gly Cys Ser Gln Lys Pro Trp Thr Glu Gln Ser Leu Gly Pro Glu Arg
180 185 190
Gly Asp Gln Val Pro Met Asn Pro Ser Gln Ser Leu Leu Pro Xaa Arg

195					200					205					
Gly	Gly	Ser	Asp	Pro	Gln	Arg	Gln	Arg	His	Leu	Glu	Asn	Ser	Glu	Glu
	210					215					220				
Pro	Pro	Glu	Arg	Arg	Ser	Arg	Val	Ser	Ser	Val	Ile	Arg	Glu	Lys	Leu
225					230					235					240
Gln	Glu	Val	Leu	Gln	Asp	Leu	Gly	Leu	Gly	Pro	Glu	Ala	Ser	Leu	Ser
				245					250					255	
Thr	Ala	Pro	Ser	Cys	His	Gln	Gln	Thr	Trp	Lys	Asn	Ser	Ala	Ala	Phe
			260					265					270		
Ser	Pro	Gln	Lys	Met	Pro	Leu	Ser	Lys	Glu	Leu	Gly	Phe	Ser	Pro	Tyr
		275					280					285			
Met	Val	Arg	Arg	Arg	Arg	Ala	Ala	Gln	Arg	Ala	Arg	Ser	His	Phe	Pro
	290					295					300				
Gly	Ser	Ala	Pro	Ser	Ser	Val	Gly	His	Arg	Ala	Asn	Arg	Thr	Val	Pro
305					310					315					320
Gly	Ala	His	Ser	Arg	Leu	His	Val	Gln	Asn	Gly	Asp	Ser	Pro	Ser	Leu
				325					330					335	
Ala	Pro	Gln	Thr	Thr	Asp	Ser	Arg	Val	Arg	Arg	Pro	Ser	Ser	Arg	Lys
			340					345					350		
Pro	Ser	Leu	Pro	Ser	Asp	Pro	Gln	Asp	Arg	Pro	Gly	Thr	Leu	Glu	Gly
		355					360					365			
Ser	Lys	Gln	Ser	Gln	Thr	Glu	Pro	Glu	Gly	Ala	Arg	Gly	Ser	Lys	Ala
	370					375					380				
Ala	Phe	Leu	Arg	Gln	Pro	Ser	Gly	Ser	Gly	Arg	Ala	Pro	Ser	Pro	Ala
385					390					395					400
Ala	Pro	Cys	Leu	Ser	Lys	Ala	Ser	Pro	Asp	Leu	Pro	Glu	Gln	Trp	Gln
				405					410					415	
Leu	Trp	Pro	Pro	Val	Pro	Ser	Gly	Cys	Ala	Ser	Leu	Ser	Ser	Gln	His
			420					425					430		
Ser	Tyr	Phe	Asp	Thr	Glu	Ser	Ser	Ser	Ser	Asp	Glu	Phe	Phe	Cys	Arg
		435					440					445			
Cys	His	Arg	Pro	Tyr	Cys	Glu	Ile	Cys	Phe	Gln	Ser	Ser	Ser	Asp	Ser
	450					455					460				

Ser Asp Ser Gly Thr Ser Asp Thr Asp Pro Glu Pro Thr Gly Gly Leu
465 470 475 480

Ala Ser Trp Glu Lys Leu Trp Ala Arg Ser Lys Pro Ile Val Asn Phe
485 490 495

Lys Asp Asp Leu Lys Pro Thr Leu Val
500 505

<210> 4
<211> 814
<212> PRT
<213> Homo sapien

<220>
<223> E533D GPR156 canonical protein

<220>
<221> MOD_RES
<222> (516)..(516)
<223> Xaa is glutamic acid or aspartic acid

<400> 4
Met Glu Pro Glu Ile Asn Cys Ser Glu Leu Cys Asp Ser Phe Pro Gly
1 5 10 15

Gln Glu Leu Asp Arg Arg Pro Leu His Asp Leu Cys Lys Thr Thr Ile
20 25 30

Thr Ser Ser His His Ser Ser Lys Thr Ile Ser Ser Leu Ser Pro Val
35 40 45

Leu Leu Gly Ile Val Trp Thr Phe Leu Ser Cys Gly Leu Leu Leu Ile
50 55 60

Leu Phe Phe Leu Ala Phe Thr Ile His Cys Arg Lys Asn Arg Ile Val
65 70 75 80

Lys Met Ser Ser Pro Asn Leu Asn Ile Val Thr Leu Leu Gly Ser Cys
85 90 95

Leu Thr Tyr Ser Ser Ala Tyr Leu Phe Gly Ile Gln Asp Val Leu Val
100 105 110

Gly Ser Ser Met Glu Thr Leu Ile Gln Thr Arg Leu Ser Met Leu Cys
115 120 125

Ile Gly Thr Ser Leu Val Phe Gly Pro Ile Leu Gly Lys Ser Trp Arg
130 135 140

Leu	Tyr	Lys	Val	Phe	Thr	Gln	Arg	Val	Pro	Asp	Lys	Arg	Val	Ile	Ile	145	150	155	160
Lys	Asp	Leu	Gln	Leu	Leu	Gly	Leu	Val	Ala	Ala	Leu	Leu	Met	Ala	Asp	165	170	175	
Val	Ile	Leu	Leu	Met	Thr	Trp	Val	Leu	Thr	Asp	Pro	Ile	Gln	Cys	Leu	180	185	190	
Gln	Ile	Leu	Ser	Val	Ser	Met	Thr	Val	Thr	Gly	Lys	Asp	Val	Ser	Cys	195	200	205	
Thr	Ser	Thr	Ser	Thr	His	Phe	Cys	Ala	Ser	Arg	Tyr	Ser	Asp	Val	Trp	210	215	220	
Ile	Ala	Leu	Ile	Trp	Gly	Cys	Lys	Gly	Leu	Leu	Leu	Leu	Tyr	Gly	Ala	225	230	235	240
Tyr	Leu	Ala	Gly	Leu	Thr	Gly	His	Val	Ser	Ser	Pro	Pro	Val	Asn	Gln	245	250	255	
Ser	Leu	Thr	Ile	Met	Val	Gly	Val	Asn	Leu	Leu	Val	Leu	Ala	Ala	Gly	260	265	270	
Leu	Leu	Phe	Val	Val	Thr	Arg	Tyr	Leu	His	Ser	Trp	Pro	Asn	Leu	Val	275	280	285	
Phe	Gly	Leu	Thr	Ser	Gly	Gly	Ile	Phe	Val	Cys	Thr	Thr	Thr	Ile	Asn	290	295	300	
Cys	Phe	Ile	Phe	Ile	Pro	Gln	Leu	Lys	Gln	Trp	Lys	Ala	Phe	Glu	Glu	305	310	315	320
Glu	Asn	Gln	Thr	Ile	Arg	Arg	Met	Ala	Lys	Tyr	Phe	Ser	Thr	Pro	Asn	325	330	335	
Lys	Ser	Phe	His	Thr	Gln	Tyr	Gly	Glu	Glu	Glu	Asn	Cys	His	Pro	Arg	340	345	350	
Gly	Glu	Lys	Ser	Ser	Met	Glu	Arg	Leu	Leu	Thr	Glu	Lys	Asn	Ala	Val	355	360	365	
Ile	Glu	Ser	Leu	Gln	Glu	Gln	Val	Asn	Asn	Ala	Lys	Glu	Lys	Ile	Val	370	375	380	
Arg	Leu	Met	Ser	Ala	Glu	Cys	Thr	Tyr	Asp	Leu	Pro	Glu	Gly	Ala	Ala	385	390	395	400
Pro	Pro	Ala	Ser	Ser	Pro	Asn	Lys	Asp	Val	Gln	Ala	Val	Ala	Ser	Val	405	410	415	

His	Thr	Leu	Ala	Ala	Ala	Gln	Gly	Pro	Ser	Gly	His	Leu	Ser	Asp	Phe
			420					425					430		
Gln	Asn	Asp	Pro	Gly	Met	Ala	Ala	Arg	Asp	Ser	Gln	Cys	Thr	Ser	Gly
		435					440					445			
Pro	Ser	Ser	Tyr	Ala	Gln	Ser	Leu	Glu	Gly	Pro	Gly	Lys	Asp	Ser	Ser
	450					455					460				
Phe	Ser	Pro	Gly	Lys	Glu	Glu	Lys	Ile	Ser	Asp	Ser	Lys	Asp	Phe	Ser
465					470					475					480
Asp	His	Leu	Asp	Ser	Gly	Cys	Ser	Gln	Lys	Pro	Trp	Thr	Glu	Gln	Ser
				485					490					495	
Leu	Gly	Pro	Glu	Arg	Gly	Asp	Gln	Val	Pro	Met	Asn	Pro	Ser	Gln	Ser
			500					505					510		
Leu	Leu	Pro	Xaa	Arg	Gly	Gly	Ser	Asp	Pro	Gln	Arg	Gln	Arg	His	Leu
		515					520					525			
Glu	Asn	Ser	Glu	Asp	Pro	Pro	Glu	Arg	Arg	Ser	Arg	Val	Ser	Ser	Val
	530					535					540				
Ile	Arg	Glu	Lys	Leu	Gln	Glu	Val	Leu	Gln	Asp	Leu	Gly	Leu	Gly	Pro
545					550					555					560
Glu	Ala	Ser	Leu	Ser	Thr	Ala	Pro	Ser	Cys	His	Gln	Gln	Thr	Trp	Lys
				565					570					575	
Asn	Ser	Ala	Ala	Phe	Ser	Pro	Gln	Lys	Met	Pro	Leu	Ser	Lys	Glu	Leu
			580					585					590		
Gly	Phe	Ser	Pro	Tyr	Met	Val	Arg	Arg	Arg	Arg	Ala	Ala	Gln	Arg	Ala
		595					600					605			
Arg	Ser	His	Phe	Pro	Gly	Ser	Ala	Pro	Ser	Ser	Val	Gly	His	Arg	Ala
	610					615					620				
Asn	Arg	Thr	Val	Pro	Gly	Ala	His	Ser	Arg	Leu	His	Val	Gln	Asn	Gly
625					630					635					640
Asp	Ser	Pro	Ser	Leu	Ala	Pro	Gln	Thr	Thr	Asp	Ser	Arg	Val	Arg	Arg
				645					650					655	
Pro	Ser	Ser	Arg	Lys	Pro	Ser	Leu	Pro	Ser	Asp	Pro	Gln	Asp	Arg	Pro
			660					665					670		
Gly	Thr	Leu	Glu	Gly	Ser	Lys	Gln	Ser	Gln	Thr	Glu	Pro	Glu	Gly	Ala

675	680	685
Arg Gly Ser Lys Ala Ala Phe Leu Arg Gln Pro Ser Gly Ser Gly Arg		
690	695	700
Ala Pro Ser Pro Ala Ala Pro Cys Leu Ser Lys Ala Ser Pro Asp Leu		
705	710	715
Pro Glu Gln Trp Gln Leu Trp Pro Pro Val Pro Ser Gly Cys Ala Ser		
	725	730
Leu Ser Ser Gln His Ser Tyr Phe Asp Thr Glu Ser Ser Ser Ser Asp		
	740	745
Glu Phe Phe Cys Arg Cys His Arg Pro Tyr Cys Glu Ile Cys Phe Gln		
	755	760
Ser Ser Ser Asp Ser Ser Asp Ser Gly Thr Ser Asp Thr Asp Pro Glu		
	770	775
Pro Thr Gly Gly Leu Ala Ser Trp Glu Lys Leu Trp Ala Arg Ser Lys		
	785	790
		795
		800
Pro Ile Val Asn Phe Lys Asp Asp Leu Lys Pro Thr Leu Val		
	805	810

<210> 5
 <211> 810
 <212> PRT
 <213> Homo sapien

<220>
 <223> E529D GPR156 isoform protein

<220>
 <221> MOD_RES
 <222> (512)..(512)
 <223> Xaa is glutamic acid or aspartic acid

<400> 5
Met Glu Pro Glu Ile Asn Cys Ser Glu Leu Cys Asp Ser Phe Pro Gly
1 5 10 15
Gln Glu Leu Asp Arg Arg Pro Leu His Asp Leu Cys Lys Thr Thr Ile
20 25 30
Thr Ser Ser His His Ser Ser Lys Thr Ile Ser Ser Leu Ser Pro Val
35 40 45
Leu Leu Gly Ile Val Trp Thr Phe Leu Ser Cys Gly Leu Leu Leu Ile

50						55						60			
Leu	Phe	Phe	Leu	Ala	Phe	Thr	Ile	His	Cys	Arg	Lys	Asn	Arg	Ile	Val
65					70					75					80
Lys	Met	Ser	Ser	Pro	Asn	Leu	Asn	Ile	Val	Thr	Leu	Leu	Gly	Ser	Cys
				85					90					95	
Leu	Thr	Tyr	Ser	Ser	Ala	Tyr	Leu	Phe	Gly	Ile	Gln	Asp	Val	Leu	Val
			100					105					110		
Gly	Ser	Ser	Met	Glu	Thr	Leu	Ile	Gln	Thr	Arg	Leu	Ser	Met	Leu	Cys
			115				120					125			
Ile	Gly	Thr	Ser	Leu	Val	Phe	Gly	Pro	Ile	Leu	Gly	Lys	Ser	Trp	Arg
	130					135					140				
Leu	Tyr	Lys	Val	Phe	Thr	Gln	Arg	Val	Pro	Asp	Lys	Arg	Val	Ile	Ile
145					150					155					160
Lys	Asp	Leu	Gln	Leu	Leu	Gly	Leu	Val	Ala	Ala	Leu	Leu	Met	Ala	Asp
				165					170					175	
Val	Ile	Leu	Leu	Met	Thr	Trp	Val	Leu	Thr	Asp	Pro	Ile	Gln	Cys	Leu
			180					185					190		
Gln	Ile	Leu	Ser	Val	Thr	Gly	Lys	Asp	Val	Ser	Cys	Thr	Ser	Thr	Ser
		195					200					205			
Thr	His	Phe	Cys	Ala	Ser	Arg	Tyr	Ser	Asp	Val	Trp	Ile	Ala	Leu	Ile
	210					215					220				
Trp	Gly	Cys	Lys	Gly	Leu	Leu	Leu	Leu	Tyr	Gly	Ala	Tyr	Leu	Ala	Gly
225					230					235					240
Leu	Thr	Gly	His	Val	Ser	Ser	Pro	Pro	Val	Asn	Gln	Ser	Leu	Thr	Ile
				245					250					255	
Met	Val	Gly	Val	Asn	Leu	Leu	Val	Leu	Ala	Ala	Gly	Leu	Leu	Phe	Val
			260					265						270	
Val	Thr	Arg	Tyr	Leu	His	Ser	Trp	Pro	Asn	Leu	Val	Phe	Gly	Leu	Thr
		275					280					285			
Ser	Gly	Gly	Ile	Phe	Val	Cys	Thr	Thr	Thr	Ile	Asn	Cys	Phe	Ile	Phe
	290					295					300				
Ile	Pro	Gln	Leu	Lys	Gln	Trp	Lys	Ala	Phe	Glu	Glu	Glu	Asn	Gln	Thr
305					310					315					320

Ile	Arg	Arg	Met	Ala 325	Lys	Tyr	Phe	Ser	Thr 330	Pro	Asn	Lys	Ser	Phe	His
Thr	Gln	Tyr	Gly 340	Glu	Glu	Glu	Asn	Cys 345	His	Pro	Arg	Gly	Glu 350	Lys	Ser
Ser	Met	Glu	Arg	Leu	Leu	Thr	Glu 360	Lys	Asn	Ala	Val	Ile	Glu	Ser	Leu
Gln	Glu	Gln	Val	Asn	Asn	Ala 375	Lys	Glu	Lys	Ile	Val 380	Arg	Leu	Met	Ser
Ala 385	Glu	Cys	Thr	Tyr	Asp 390	Leu	Pro	Glu	Gly	Ala 395	Ala	Pro	Pro	Ala	Ser 400
Ser	Pro	Asn	Lys	Asp 405	Val	Gln	Ala	Val	Ala 410	Ser	Val	His	Thr	Leu 415	Ala
Ala	Ala	Gln	Gly 420	Pro	Ser	Gly	His	Leu 425	Ser	Asp	Phe	Gln	Asn 430	Asp	Pro
Gly	Met	Ala 435	Ala	Arg	Asp	Ser	Gln 440	Cys	Thr	Ser	Gly	Pro 445	Ser	Ser	Tyr
Ala 450	Gln	Ser	Leu	Glu	Gly	Pro 455	Gly	Lys	Asp	Ser	Ser 460	Phe	Ser	Pro	Gly
Lys 465	Glu	Glu	Lys	Ile	Ser 470	Asp	Ser	Lys	Asp	Phe 475	Ser	Asp	His	Leu	Asp 480
Ser	Gly	Cys	Ser	Gln 485	Lys	Pro	Trp	Thr	Glu 490	Gln	Ser	Leu	Gly	Pro 495	Glu
Arg	Gly	Asp	Gln 500	Val	Pro	Met	Asn	Pro 505	Ser	Gln	Ser	Leu	Leu 510	Pro	Xaa
Arg	Gly	Gly 515	Ser	Asp	Pro	Gln	Arg 520	Gln	Arg	His	Leu	Glu 525	Asn	Ser	Glu
Asp 530	Pro	Pro	Glu	Arg	Arg	Ser 535	Arg	Val	Ser	Ser	Val 540	Ile	Arg	Glu	Lys
Leu 545	Gln	Glu	Val	Leu	Gln 550	Asp	Leu	Gly	Leu	Gly 555	Pro	Glu	Ala	Ser	Leu 560
Ser	Thr	Ala	Pro	Ser 565	Cys	His	Gln	Gln	Thr 570	Trp	Lys	Asn	Ser	Ala 575	Ala
Phe	Ser	Pro	Gln 580	Lys	Met	Pro	Leu	Ser 585	Lys	Glu	Leu	Gly	Phe 590	Ser	Pro

Tyr Met Val Arg Arg Arg Arg Ala Ala Gln Arg Ala Arg Ser His Phe
595 600 605

Pro Gly Ser Ala Pro Ser Ser Val Gly His Arg Ala Asn Arg Thr Val
610 615 620

Pro Gly Ala His Ser Arg Leu His Val Gln Asn Gly Asp Ser Pro Ser
625 630 635 640

Leu Ala Pro Gln Thr Thr Asp Ser Arg Val Arg Arg Pro Ser Ser Arg
645 650 655

Lys Pro Ser Leu Pro Ser Asp Pro Gln Asp Arg Pro Gly Thr Leu Glu
660 665 670

Gly Ser Lys Gln Ser Gln Thr Glu Pro Glu Gly Ala Arg Gly Ser Lys
675 680 685

Ala Ala Phe Leu Arg Gln Pro Ser Gly Ser Gly Arg Ala Pro Ser Pro
690 695 700

Ala Ala Pro Cys Leu Ser Lys Ala Ser Pro Asp Leu Pro Glu Gln Trp
705 710 715 720

Gln Leu Trp Pro Pro Val Pro Ser Gly Cys Ala Ser Leu Ser Ser Gln
725 730 735

His Ser Tyr Phe Asp Thr Glu Ser Ser Ser Ser Asp Glu Phe Phe Cys
740 745 750

Arg Cys His Arg Pro Tyr Cys Glu Ile Cys Phe Gln Ser Ser Ser Asp
755 760 765

Ser Ser Asp Ser Gly Thr Ser Asp Thr Asp Pro Glu Pro Thr Gly Gly
770 775 780

Leu Ala Ser Trp Glu Lys Leu Trp Ala Arg Ser Lys Pro Ile Val Asn
785 790 795 800

Phe Lys Asp Asp Leu Lys Pro Thr Leu Val
805 810

<210> 6

<211> 505

<212> PRT

<213> Artificial Sequence

<220>

<223> E553D GPR156 310-814 fragment protein

<220>

<221> MOD_RES

<222> (207)..(207)

<223> Xaa is glutamic acid or aspartic acid

<400> 6

Pro Gln Leu Lys Gln Trp Lys Ala Phe Glu Glu Glu Asn Gln Thr Ile
1 5 10 15

Arg Arg Met Ala Lys Tyr Phe Ser Thr Pro Asn Lys Ser Phe His Thr
20 25 30

Gln Tyr Gly Glu Glu Glu Asn Cys His Pro Arg Gly Glu Lys Ser Ser
35 40 45

Met Glu Arg Leu Leu Thr Glu Lys Asn Ala Val Ile Glu Ser Leu Gln
50 55 60

Glu Gln Val Asn Asn Ala Lys Glu Lys Ile Val Arg Leu Met Ser Ala
65 70 75 80

Glu Cys Thr Tyr Asp Leu Pro Glu Gly Ala Ala Pro Pro Ala Ser Ser
85 90 95

Pro Asn Lys Asp Val Gln Ala Val Ala Ser Val His Thr Leu Ala Ala
100 105 110

Ala Gln Gly Pro Ser Gly His Leu Ser Asp Phe Gln Asn Asp Pro Gly
115 120 125

Met Ala Ala Arg Asp Ser Gln Cys Thr Ser Gly Pro Ser Ser Tyr Ala
130 135 140

Gln Ser Leu Glu Gly Pro Gly Lys Asp Ser Ser Phe Ser Pro Gly Lys
145 150 155 160

Glu Glu Lys Ile Ser Asp Ser Lys Asp Phe Ser Asp His Leu Asp Ser
165 170 175

Gly Cys Ser Gln Lys Pro Trp Thr Glu Gln Ser Leu Gly Pro Glu Arg
180 185 190

Gly Asp Gln Val Pro Met Asn Pro Ser Gln Ser Leu Leu Pro Xaa Arg
195 200 205

Gly Gly Ser Asp Pro Gln Arg Gln Arg His Leu Glu Asn Ser Glu Asp
210 215 220

Pro Pro Glu Arg Arg Ser Arg Val Ser Ser Val Ile Arg Glu Lys Leu

225		230		235		240									
Gln	Glu	Val	Leu	Gln	Asp	Leu	Gly	Leu	Gly	Pro	Glu	Ala	Ser	Leu	Ser
			245				250							255	
Thr	Ala	Pro	Ser	Cys	His	Gln	Gln	Thr	Trp	Lys	Asn	Ser	Ala	Ala	Phe
			260				265						270		
Ser	Pro	Gln	Lys	Met	Pro	Leu	Ser	Lys	Glu	Leu	Gly	Phe	Ser	Pro	Tyr
		275					280					285			
Met	Val	Arg	Arg	Arg	Arg	Ala	Ala	Gln	Arg	Ala	Arg	Ser	His	Phe	Pro
	290					295					300				
Gly	Ser	Ala	Pro	Ser	Ser	Val	Gly	His	Arg	Ala	Asn	Arg	Thr	Val	Pro
305					310					315					320
Gly	Ala	His	Ser	Arg	Leu	His	Val	Gln	Asn	Gly	Asp	Ser	Pro	Ser	Leu
				325					330					335	
Ala	Pro	Gln	Thr	Thr	Asp	Ser	Arg	Val	Arg	Arg	Pro	Ser	Ser	Arg	Lys
			340					345					350		
Pro	Ser	Leu	Pro	Ser	Asp	Pro	Gln	Asp	Arg	Pro	Gly	Thr	Leu	Glu	Gly
		355					360					365			
Ser	Lys	Gln	Ser	Gln	Thr	Glu	Pro	Glu	Gly	Ala	Arg	Gly	Ser	Lys	Ala
	370					375					380				
Ala	Phe	Leu	Arg	Gln	Pro	Ser	Gly	Ser	Gly	Arg	Ala	Pro	Ser	Pro	Ala
385					390					395					400
Ala	Pro	Cys	Leu	Ser	Lys	Ala	Ser	Pro	Asp	Leu	Pro	Glu	Gln	Trp	Gln
			405						410					415	
Leu	Trp	Pro	Pro	Val	Pro	Ser	Gly	Cys	Ala	Ser	Leu	Ser	Ser	Gln	His
		420						425					430		
Ser	Tyr	Phe	Asp	Thr	Glu	Ser	Ser	Ser	Ser	Asp	Glu	Phe	Phe	Cys	Arg
		435					440					445			
Cys	His	Arg	Pro	Tyr	Cys	Glu	Ile	Cys	Phe	Gln	Ser	Ser	Ser	Asp	Ser
	450					455					460				
Ser	Asp	Ser	Gly	Thr	Ser	Asp	Thr	Asp	Pro	Glu	Pro	Thr	Gly	Gly	Leu
465					470					475					480
Ala	Ser	Trp	Glu	Lys	Leu	Trp	Ala	Arg	Ser	Lys	Pro	Ile	Val	Asn	Phe
			485						490					495	

Lys Asp Asp Leu Lys Pro Thr Leu Val
500 505

<210> 7
<211> 120450
<212> DNA
<213> Homo sapien

<220>
<223> Wild type GPR156 isoform 1 genomic DNA

<220>
<221> variation
<222> (117166) .. (117166)
<223> n is a, g, t, or c

<400> 7
ggggaccgtg ggcgtcctgc acatagcagc gggcttggcg cttctcggcg gtccgacgct 60
gatgagggtga gcacagcgac ctttaaggatc cacaaaactt caaacactta attattaagt 120
gaaagtggaa aggggggaggg gctttctctc cttttccaga atctgggcag tttgtttgga 180
accggtaaaag aaactctcat aggaacttga ggtgagcagg ggtcacgcat cagggatgcg 240
agtggcaatt tcagtgggaag agacgggaga gtactgtaat ttggtgtgaa gatggggccg 300
tgggttttct gctgaataag cgaccggctg tgctgaaaat gagagatccc gaaacagttt 360
cccaccgcct gtagactttc cagagtctcc tcacgccgaa tctgctttgc agggcatgtt 420
cacccccagg gtgtagagtg gcgggcacga tgggctcccc catggagatt gcaaagtcct 480
gaaaagggac aattgtattg cactgcgtct gttgaactgc cttgcttctg ggcatgaggg 540
agtcacctgg aagctgcaac atccttgtac cctggcaagc agccctttcc aagttagctc 600
tgtcagaaac tagaggcctc taggtagaac tcaaggtatc catgtactcg tgaagaatac 660
aaaccttgag gtttttaaaa tcgaattttg ttaagatttc aggatagaaa tctgggaaga 720
gaagtcattg catggcataa cttaccctt tgttagtttt ctaggtacat gcatgcttga 780
attagaggta aatgatgccc tagcctatca taaaatgtct ttcctgggtg agttctttta 840
accagaatat ggaggataac attacatttt tgcatcctag ataaaaggga aagattttca 900
gatggggctt acacagcggg agaaattgtt gatatatgtt tattaggcag caaggcctgc 960
aaagaaaaac ttctttttct ccaccagtgg ctgaattctg cacagaatgt ctctcgcag 1020
tctgggtagc agcccggctt gcaaaaacag tgcttctttc attgctgcag gtggggcaaa 1080
tgcgcttgcg gataaatggc tggggaagcg tttgcttaca ggttaaggca atttgagtct 1140
ggagaataaa gtgcttttagc aggctgtgct tgagttaggt gtcccttggt aggaatagag 1200
gtggctttct ggtcccccatt ttgccagcct aattccccct cagggacact actgtctctg 1260
gaatgttccc tctgtttccc cttctcttcc acccccagct tttagcttct cccatttccc 1320
cagtaaaagtc tagaattgag cctggtcaga gtcaaagtgc tgatagccta gggatataga 1380
acttcaagcc tgggtgaaggc agaaatgaga cctaggagag acccaagatg ggtgagatga 1440
aacaactttc agcctagaag gctctcaaaa gagtggaaaa ataatgattg agggaaacag 1500
attctctgga aaggagaata ggtgcttaag tgtttgtttt cagctgaggg ttttaatat 1560
tccatttttg ttgtttaacc ataagggaat ttccattata gggtaggagg aggatgaggc 1620
cttctctgaa aactgcatcc ttctccttga atttgcatth tattccattc ttatgtaggt 1680
ttcagagatt aattggggga aggggggagag aggaaagaag ccagaggctc tgacatgctg 1740
cagaaacagt gcaacgtgga ctgacttggg ctgcaaagggt ggatttgggg gttgaaagaa 1800
atgttctaca tttagttgaa aaaaaaaaaa cagagccttt attttgcaaa ggtcttgaga 1860
atcagaacat tcatgttttag ttgctgatga attttgcctg ataaaggatg caaatcacta 1920

tctcaccttt	ttttctccag	tactttatta	tgaaaaaattt	tagacataca	gagatgtttt	1980
ctacctctca	ttttataaac	ttattatctt	aaaacaaact	tgtaataaaa	aatcagtgtt	2040
tagaatccag	acatatgtga	tctggtcctg	gacagagctt	gaatcagaag	gtgtttcaaa	2100
tatagatgtg	tgaaggatat	taacatttta	agaaaaaaat	atggatctta	ttcttctgac	2160
tttcccataa	gaatcttgag	cagacccctt	aactgccttc	tttttcccat	tcttaaaatg	2220
tcagtcagtt	ggatgatatt	actctcctgc	ttaacaccct	ccaatggctt	cccctcacac	2280
tgtgaataac	attcaactct	ccaccagggc	ttgtgatttg	gtctggtgcc	ctcatattct	2340
atggccgtcc	tcttgcttac	catcgtcctt	gctcttcctt	ctgcctgaac	actcttcctt	2400
cagacactgc	cactgcttct	tttctcagct	cattccagtt	tcttttcata	ctctccagaa	2460
tgatggccac	ctgatctaaa	acagcctgtg	gtcactccct	gtcttctgac	cctgctttat	2520
ccttcttcat	ggcacttagc	actccctgac	actatatagt	atatgtgttt	ccttggttaat	2580
tgggcatgtt	ccccactcta	atgtaaactc	catcaagaca	aggaattttt	ttgtcttatt	2640
tatggctgtg	ttcctatttg	gtatattatg	agcaattaat	aaataactgt	tggattaatt	2700
aggtaactaa	attacacaaa	taaggcattg	actcccataa	gggtggcaga	acccttggta	2760
aaataactaga	agtcctttga	ggtaattcat	aattcaagtt	aatcaatatt	tgataggtaa	2820
atgatgaccc	tggagatcag	tggcctcttt	tatcctcaca	gcacttctca	gctgaatcct	2880
atgctaatag	ctggccagtt	ttgacaaacc	cacatcccaa	acaagacata	aaatatttca	2940
gtcacagaac	ttttcctcac	gtctcttttct	agtcacctcc	accccacaga	agcagcaaac	3000
cttgttctga	tttctaatat	catagattag	tgttgctggt	tcctgaattt	catataactg	3060
cagttacaca	gtatgcactc	ttgtgttttg	cttctttttg	ccctacacaa	tgtctgtgat	3120
attcatctgt	gccattgtgt	gtatcagtag	ttcatttctt	ttttttccaa	ggtagtattt	3180
attgtatgaa	tattgaccat	gtgtttatct	gttctcttgt	tgatagatac	ttgggtgttg	3240
ccagtttgtg	gcaattttga	acaaagctgc	tgtgaacctt	taaagggctt	gcctcatctt	3300
gagtcttctc	tactttatat	gaaaatcttc	cttgtgccac	caatgcagag	agaagtatgg	3360
caaggttatg	ggggctgtga	ctgatgtagc	agcttgcatg	taccccgagc	agtgctctct	3420
ctagacagct	ctgctggggag	ctgacctgct	tcccacttta	gaggggaaagc	acttggaaaa	3480
tgagtgtcta	acaaattagc	gagccctcca	gtgcactctt	aagtgcctta	aatccttgaa	3540
agagacactg	tggaatgcct	gctgccatca	ctgttgattt	tccctcctcc	tctcagcttc	3600
cccatcccag	cacaagttga	ctctaatacag	cttctgagca	ttatgctact	gaggggttta	3660
aacattcatg	agcaagagtc	ttgttcagag	cctgataaaa	tattcatgtg	tttccatggg	3720
gcattggttt	ccatctagac	ttctcaaggc	atttttctga	gatgcatgtc	gtaattgtga	3780
agaactcaga	cagtgatgga	tgatacggcc	ctgtgttatt	aaaccctacc	acacagagca	3840
ccttgctttc	tagggatgga	gaagaatgag	cacacagaaa	aattgacatt	aatcctgtct	3900
agatcaagag	aaaggctaca	tgtactgata	aaaatggcct	gagtaaagag	gggcctgtta	3960
atatagtacc	aacaaaggta	tgaatccata	gaggagagtg	aaaagaactt	gttaaaatga	4020
gaggaatgct	gggatgcagt	cattccaagt	ggaagaatgg	gggaatcagc	attgtaaaat	4080
gcacagttcc	tttgacactc	atgtggacga	ggttcatatg	agacaactgt	gctgagtgtc	4140
gtaattatca	caacctgcta	tgagaggatg	agagtagaag	tggaggctag	gcagggtttc	4200
caagtagagc	cagagagcta	ttccaagagg	agtcaacatt	tctcttcaag	gaagaagtgg	4260
ctttgagtca	ggttctgaag	gaggtgtgcc	tctttgactg	gcagctgcgg	tgtggaaggg	4320
actttccaga	gagacagaat	agcatgatag	agtgagggcc	aaagtgccgg	tgtggtgtga	4380
gtaaggagag	aaggtgggtg	gatgggggtc	agggcagggg	tgcagcaaga	cataaagcag	4440
gagagctaaa	ggccagctta	tgaaggccac	aggaggatgg	acttcagtct	gtttgctgga	4500
gggccgtgta	acttttggcc	agagattggg	ttacattttg	aggagtctct	gggaagtata	4560
tccaccctag	gcaaggcctt	gaggtatgtt	tatgtccaag	gcatttccag	aatattctgc	4620
tgtgtccaga	acactatgaa	gactctacgt	ggtctactct	aagagaggta	aaccagagga	4680
ggtcagatat	actcagtata	ctcctggggc	tgaccagaaa	caggcctcac	caggcacctc	4740
tctgccccca	gcacacaaac	actcagaata	ttctgagtca	gattgaatcc	acagcattcc	4800
ctagacttct	tcatgaccac	tttgcctcag	ctgggggag	tgcaatgatc	taagtatccc	4860
cttatcacct	gaatctgggc	caggataacct	cagacatggg	ttgccaggca	actgagggct	4920

aagtgatgca	gctggccaat	catccccaca	aagcccaggt	ctgctttgac	caggccatcg	4980
ggctgtgacc	agagaggcaa	cttgggggggt	tgaggatcatg	cagactgatg	acttgtggac	5040
acaactgcca	ggcccccttc	atatgtcttc	ttcctttggg	ttgcagattt	ctattcaaaa	5100
atgcctcagg	atgttgattt	tttaacccat	aataaaaaata	gtgaagtagg	gaggagtgtt	5160
aaacatgtca	gtcatctata	ccttatgttg	tcattgggaa	gaaataactg	tggaaacaat	5220
tgtcccggga	aagtcagtct	tcagtcttgc	agtgaggagc	tttgcataatg	tggagattag	5280
ctagaaagct	ctggagttct	gatggtgaga	agggatttct	tgggtcaagg	ataggaaagg	5340
gcaagggagg	accttcatga	ttctccccag	ggctttgctg	gttgaattg	ctcttctgct	5400
gccatgggta	gcatgggggt	tcagtgaactg	aaaacaccca	ggaaagtatg	ctctgggtct	5460
tcatgttgcc	atctgcctac	actggaatgt	cagaccatca	gtcagcactg	ccagctctcc	5520
atcttgattt	tctaagagtt	attgagaaaa	ccttgaaagg	gaaggcagaa	gtgggtgtct	5580
taactagggga	aatgccaagg	tcctaaagggt	gtggtctagg	ttgaagggtgt	ggtaagggcc	5640
tgaagtcatt	ggctctggcag	tacttcagac	caataaagtc	tttcttggct	cttatctaaa	5700
atattcctga	ttttctgtgt	gaggtggaat	ctctcaagtg	ctgcattaat	cagtcttttg	5760
gctgaacagg	taaatagggt	gcatgcttaa	ttgagtgcct	tttctttttt	taaagtttca	5820
gcttttattt	tacattaaga	ggatacatgt	gtaggattgt	tcattgggtaa	attggaccca	5880
ggcataagca	cagtacccaa	taggtagttt	ttcaacccat	gccccctccc	tcccttcccc	5940
ctgtagtagt	ctgcagtatc	tatcttttct	gcgtttatgt	ccatgtgtgc	tcagtgttta	6000
gctcccactt	ataagtgaga	acatgtggta	ttttgttttc	tgttcctgca	ttaattcact	6060
taggataggc	ctccaactgc	atccacgttg	ctgcaaagga	catgatttca	ttatttttta	6120
tcctatgggtg	tttatgtagc	acattttctt	catccagtac	actgttgatg	agtgcctagg	6180
ttgattccac	atctttgcta	ttgtgaatag	tgctgtgatg	cacatatgca	agcatgtgta	6240
tttatgggtg	aatgatttat	atttctttga	atatataccc	agtaatggga	ttgctgggtc	6300
aaaggtagct	ctgtatttaa	gttttttgag	aaatctccaa	actgctttcc	acagtgggtg	6360
tactaattta	cattccccacc	aacaatgtat	aaatgtttcc	ttttcttcac	agccttgcca	6420
gcatctgttg	ttttttgact	ttttaataat	agctattctt	actggtgtga	gatggatatct	6480
tattgtgggtt	ttattttgcat	ttctctgatg	attagtgatg	ctgagcatgt	tttcatgtct	6540
attggccaca	cttgtagtgc	ttcttttaag	aagtgtcttt	tcattgtctt	tgccactttt	6600
ttaatggagt	tatttgattt	ttgcctgttg	atttaagttt	cttatatat	ctggatatta	6660
gacctttgtc	agatgcatag	tttgtgaata	ttttctccca	tgctgtaggt	tgtttactct	6720
tttgatgggtt	tctcttgctg	tgcagaagat	ctttagttta	attaggtccc	acttgtcaat	6780
ttttgttttt	gttgcagttc	tttctgggga	cttggccata	aattctttgc	caaggccaat	6840
gttgataagg	gtatttccta	ggttttcttc	tatgattttt	atagtttgag	gtcttatgtt	6900
aaatctttta	tccattttta	gttagttttt	gtatatgggtg	aaaggtaagg	gtctagtttc	6960
attcttctgc	atatggctac	cagttatccc	agcaccattt	attgaatagg	gagtcctttc	7020
tccattgctt	gttttttgtc	agccatgttg	aagatcagat	ggttgtaagc	gtgcagcctt	7080
atttctgaat	tttctattat	gttccattag	tctatgtgtc	tctttttgta	ccagtaccac	7140
cctgttttgg	ctactctagc	aaattctttg	gaattaagga	aaatagggac	acaatttatg	7200
aagacctctg	ggatgtagcc	aaagcaatgt	taagaggaaa	gtttatagcc	gtaaatgcct	7260
tcatcaagaa	gctggaaaaga	tctcacatta	acaatgtaac	tttgcattta	aaggaaactat	7320
gaaaaaagga	caaaccaacc	ccaactctag	cagaagaaaa	gaaataacta	aaattaaaga	7380
aaaacttaat	gaaattgaga	tgaacaatc	catatgaaag	atcagtgaaa	ccaagaatag	7440
gctatttgaa	aaaataaata	agattgatag	actgctagct	aggttaacaa	agcggggagga	7500
gacagtgaga	gagagagaga	ggatccaaat	aagtacaata	gaaataacaa	agatgacatt	7560
acaactgatc	ctatagaaat	acaaaagatc	cttggagaaa	actatgaaca	gctctatgca	7620
cacaaattag	aaaaatctaga	agaaaatcaat	caattcctgg	aaacaatctc	ttgagattga	7680
atcggagaga	ttgaagtcct	gaatagacca	acatcaaaact	ctgaaattgc	atcagtaaaa	7740
caaacaaaca	aacaaaaaaa	acccttccaa	ccataaaaaag	ccctggacca	gatagattca	7800
cagccacatt	ctatgagaca	tgcaaagaag	aactagtacc	aatcctacta	aaacttacag	7860
aaaatagagg	agcaggggact	cctccccaat	tcatcccatg	aagccagcat	cagcctaata	7920

cccaa	atctg	gcagagatat	gatgaagaga	tatgat	ttttt	gtgtctatgt	tcagaccaat	7980
atccc	tgatg	aacatagaca	caaaaatcct	caacaaaata	ctagcaaacc	aaatttagca		8040
gaacat	caaaa	aagttaattc	accatgatca	agcaggcatt	attcctggga	tgcatggttg		8100
gttcaac	ata	cacaaatcat	agtgagtcac	catgtaaaca	gaattaaaag	caaaaaccgt		8160
tatgat	catc	tgtgtcatct	caatagacac	agaaaaagct	tttgataaaa	tctaacatct		8220
cttcat	gata	aaaactctca	acaaactagg	catcgaagga	acatacctca	aaataataag		8280
ggccat	ccct	gataaaccta	cagctaacat	catactgaat	gggcaaaagc	tggaaccatt		8340
cccctt	gaga	actggaacaa	ggcaagaatg	cccactctca	ccactgctat	tcaaggtagt		8400
gctaga	aagtc	ccagccagca	cagtctggca	atagaaagaa	ataaaaaggca	tccaaataag		8460
aaaaga	agaa	gatgaactat	ctccctttgc	tgacgatata	attctatact	tagaacaccc		8520
caaagact	gt	tccaaaaggt	tactagaatt	gaaaaatgat	tttagcaagg	tttcaggata		8580
caaaat	caat	gtacgaaaat	cagtagcatt	tctaaacacc	aataacgtcc	aggctgagag		8640
tcaaat	caag	aacatgatcc	catttacgac	agctgcaaag	aaaaggaaat	acctaggaat		8700
atagcaa	acc	aaaaaggtga	aagagctctg	caaggagaac	tacaatacac	tgctgaaaaa		8760
aagttaga	aaa	caacacaaat	aatgaaaaa	atatcccatg	ctcatggatt	agaaggatca		8820
atatcatt	aa	aatggtcata	ctgccccaaag	caatgtatac	attcaatgct	attcctatca		8880
aactact	aac	atcagtcttt	acagaattag	aaaaaactat	tctaaaaactc	atatggaacc		8940
caaaaag	agc	ctgaatagcc	aaagcaagcc	tgagcaaaaa	aaaaaaaaaca	aagccggagc		9000
atcacact	ac	ctgagtgcc	tttctgaaca	gatattttcaa	tgattctgtg	attattcatg		9060
agccagt	gat	ggctgcctgc	ttttggatgc	tgctaggata	aatgcagaag	atcagagtga		9120
agagggg	agag	ggaagcataa	cagcagcaga	gagggaaaagg	gaagagagta	gtgacgtgct		9180
gaaatc	gcag	agattgtggg	taccagtta	tctacaagtg	agaaacagggg	ataaaagaag		9240
atcaaata	aac	tacccatggg	aattttacat	gcaaataattg	ctgacttcca	aggcagctgt		9300
gaggagaaa	ag	gaagggagga	gacacaaaagg	cagctgtcac	agtcaatccg	aggaatatta		9360
ataaaaa	actt	gacacatgaa	aacacatggc	cgtatcacaa	cagcctgggt	cccagcaagg		9420
atgtctat	tc	aaacccctct	ttcacatttc	cttatattca	ttcacagtat	taggtatttt		9480
gcaagac	att	catttgcact	tgcaaagata	cacaaatgca	gagtacttaa	aagggtaaac		9540
tatccta	aaaa	tattagtgg	gagattataa	atgattattt	gtattttttc	aacttatcta		9600
tgtttt	ccat	gattgtttta	agaagtgtga	atttctttga	taatcagaaa	aacattaagg		9660
agaaa	ggggg	ttaagtaggg	aggtagagaa	agaggcatgg	ggtgggggaga	gaggattgta		9720
gaaaa	gaaaa	atatgttgg	agatgaatga	acaattttta	aactttatgt	ttcacagact		9780
gctagc	ttgt	gcatattttt	ctttattatt	gaatatatat	gtttatcacc	ctcagaagat		9840
ctggaag	tac	caattggcat	gaaactgaat	tgcaaatact	gagctaagta	tcacacctcc		9900
aagacc	attg	ccttggccag	tgccattctg	tgtgtgacat	gtggcttcca	gtgatgctca		9960
aagtatt	tttc	cgccaaaggc	taatagagaa	cacttcaaac	ctgggcagca	gcatctctcc		10020
cacagg	gttt	aatatattata	cttgtagcca	cgtggctggc	tttgtgcttc	tcatctctga		10080
agtatg	gaac	aggagccaac	aaaggctgtc	aatagttgga	gtagtgggat	tttccaagac		10140
aaaagc	gtga	gttattctcg	tccacgtgtt	tgctggctgc	tcaactggctc	aggcagcccc		10200
ttggca	agct	ctgtggctga	ggctttaaat	aaatagatgt	agtttttgtt	tcacaaccac		10260
tgacct	ttttc	tggaggcact	gttgattctg	ggcttttaatt	ggcttctgtt	gagtgcacac		10320
aggtga	accc	tctcttcaag	agcagaagct	cctatctgct	gttaaccacc	agcatcaatt		10380
caaagca	aat	gccagaggac	cacatacctc	actgaactct	ggggactggg	gttacttgta		10440
gttatgt	ctc	aataaatact	ttttataatt	taacttttgc	atttttaagt	tgtaaaagct		10500
atacac	actc	atggtaacaa	gtctagtaag	acagcagtat	ataaagaaaa	tatggccagg		10560
cgcagt	ggct	caccccatag	ttccaatact	ttgggaggcc	gagatgggtg	gatcacttga		10620
ggctcag	gagt	tcaagaccag	cctggccaac	atggtgaaac	cccatctcta	ctaaaaatta		10680
ggctgg	gtgc	ggtggctcac	tctgtaatc	ccatcacttt	gggaggctga	ggcggtgga		10740
tcacaag	gtc	aggagttcaa	gaccagcctg	gccaagatgg	tgaaaccctg	cctctactaa		10800
aaataca	aaaa	attagctgag	cgcagtggca	ggcacctgta	atcccagcta	cttggggaggc		10860
tgaggc	cgga	gaatcacttg	aacccggggg	gcagaggttc	cagtgagccg	agatcctgcc		10920

actgcactcc	agcctgggcg	acagcatgag	actccgtctc	aaaaaaaaaa	aaaaaaaaaa	10980
attggccagg	taaggtggct	catgcctgta	atcctggcac	tttgggaggc	cgagggtgggt	11040
ggatcacctg	aggctcaggag	ttcgagacca	gcctgaccaa	caagggtgaaa	tcccatctct	11100
accaaaaaata	caaaaaattag	ctggacgtgg	tggcaggcg	ctgtagtccc	agctactcgg	11160
gaggctgaga	caggagaatt	gcttgaacca	gggaggcaga	ggttgcagtg	agccgagatc	11220
gcaccactgc	actacaacct	gagcgatgga	gcgagactct	gtctcaaaaa	aaaaaattag	11280
tcaagtgtgg	tggcgtgtgc	ctgtaatccc	agttacttga	gagggtgagg	cgggagaata	11340
gctcgaaata	gcttgaaccc	aggaggcaga	ggttgcagtg	agccaagatt	gtgccactgc	11400
actccagctt	gggctaccga	gggagactcc	atctcaaaaga	aaaaaaaaaa	gaaagaaaat	11460
ataagtaatc	tccaccttct	ctcactccca	tctttctgac	aaaaccacta	tttaaagcgc	11520
ccaggctggg	cgtgcgggct	gacatctgta	atctgagcac	tttaggaggc	agaggcagga	11580
ggatagcttg	gggtccaggag	ttcaaaacag	cctggacaac	atagtgaac	tccgtctcta	11640
tgaaaaaaaa	aaaaaaatag	ccaagtgggt	ggatatgtcat	cctagctact	tgagaggatg	11700
aagtgggagg	atcgcttgaa	cccaggagggt	tgaggctgca	gtgagctgtg	atcatgacat	11760
tgactccag	cttgagtaac	agagtgaagc	cctgtctcaa	aaaaaaagtt	tcatgtgtat	11820
tcacatgtca	cgatcacagc	tactgcagc	ctcaacatct	ccagctcaag	ggatccttcc	11880
acctcagcct	gccaataaac	tgggaccaca	ggcacatgcc	accacacccg	tctaattttt	11940
aaacattttt	gtagaaacga	ggtctcactg	tgttgcccag	gctgatcttg	aattcctcgg	12000
ctcaagtgat	cctcccacct	cagcctccca	aagtgtctggg	attataggca	tgagccactg	12060
cactcagccc	cttcactcct	tttctatggt	caaacaaaca	tatgagtgtg	tagacttatt	12120
ttctattgta	tgtgaaaatg	gaatcatata	tgttattatt	tctttcattt	tatttagtac	12180
atattatgta	cattattcta	gattaacaca	tataattgat	ccaatttatt	atttttaata	12240
gctaccta	attccattat	aggaggttcc	ataatttctt	cccattcatt	acttccccat	12300
tgatagatat	tcatgttttt	cttccaactt	tttttgcaca	acaacttatg	ctacaataaa	12360
cattctacat	ttattcctat	actttgggtt	ttatttccat	aggagagatt	cccaaaattg	12420
tcatttttgg	gtcaaaggga	atacacaatt	ttaatttctca	ctgtaggtct	cctttacagc	12480
agttgtttct	ctcctccttt	tgtcttttct	tcccctctcc	caccacattt	tgccagcagg	12540
gcctgtgtgt	ttaagaagga	aagcctgcag	tgagaactcc	tctgtgcca	gtgtggatta	12600
tatcagctta	gtggggaact	ggagtctgca	gtgtctcagt	tacatttgtgt	ctctcttgct	12660
tttggttggc	cagactgttc	acaattcccc	ttgtgtat	attccatgct	gtggaattat	12720
acatggctct	catccgtggc	aggatcatct	gagggtggc	tttttgggaa	gggtgtcttt	12780
tcagaaaagaa	taggctcagt	tactgtactt	tctcacaag	ctatatctgt	tatgtttttt	12840
tgttatgccc	tttctttaat	agttggattg	aaaaagggtt	ttcaattccc	atcccgggtct	12900
tctgtcttca	ttttgaggac	ttgggattta	gggagtttta	tgagtatata	atcaatcaac	12960
tgtaactgat	tatttgacat	gaggataatt	agttaagaag	gtaggggtct	tggagcttaa	13020
ggatcagtgc	caagcaacag	acgtgaacat	ttttaaacaa	atggttttta	caaaccgggt	13080
attaggagca	agcttcccag	gagtactaag	ctttcatttt	ttaattttgc	ccttgctggg	13140
atgtaaaact	tcagtctagt	ctaccagaat	agagaggagc	tggattctcc	accacaccag	13200
ggctggagag	gagaaaaatgt	cagagaagcg	ttaagggaag	ctggtaagta	caaataagtg	13260
aaataaatat	aaacagtga	ctgacaaaat	ggcaaaaagt	gaatgaaatt	tgaaaaatcct	13320
cagctgaaga	ttatttgtga	accagtgggtc	ctgtgagcta	gtggacactt	tataaaaatc	13380
tgtgatctct	aaaacatatt	agatacccca	gtgtgaatct	gtgttcagaa	tacaaccatt	13440
agctaagcaa	gacagagaaa	tgataagtcc	tgttggcaga	tattttgcta	ttgacttcta	13500
taacatatgc	tgcaattttt	actcagcagc	tttgggaatgg	atttctatgt	cctagggtga	13560
aaactaaact	aaaagaaaaa	cagaatagaa	gttactgcac	ttaatttcta	aggagaaaaat	13620
tttaacttta	gtttgtgcat	gtatatgcct	gcaaaaataag	cattaccctt	tatgttaata	13680
caaacttcac	atgaatgttt	aattttcaaa	tatgcactga	ccagtaataa	tgatggcaaa	13740
attagactct	atagtaggtt	tatgtttttat	aacttaggga	ttctataatg	tatcttagtt	13800
gatgtcgtag	ttaatagtaa	ggatagtaat	atcttataca	gtttgcactg	tcgtctgagt	13860
aaagattatc	tttaaacatt	tgttcctgtc	agaaaaattt	taaggctaaa	cctattataa	13920

gatattaagc	atctgatttt	ggctataatg	gactatctgt	gagtagattt	ttactcctat	13980
acaggacatc	tagaaaaagct	gagttttaaa	aatctatttg	aaggcataga	agacctaata	14040
aggcagctag	gacttgagag	ctaagacctc	agaaaagaaga	gaaactcatt	gagtgttcca	14100
aatttctaggc	tactttttcc	ctgtagacac	ttaccatttt	taagtagcac	atgaggagaa	14160
cccaaacaat	aagcagctgc	taaaaatcaga	gaagccaggc	agattattcc	acagtctgat	14220
agggctgggg	aggaaaaaaa	aaaattgaat	tcaaggaaac	caaattgattc	aggacatgag	14280
aaacatgat	catggacaga	aaagaggccc	agaaaaatca	actcaatagt	ctaagcaatt	14340
ttccttccaa	gtcattcact	gatttataag	tagcgcagac	caagaggttg	caaaaatcca	14400
aacacaaaaga	aggtgctaaa	aagctgagaa	gctaatacaga	gctacttgca	atcttattac	14460
actaggaaga	taaaaattat	tatagaatgt	aaagcccacc	aatgtggtat	ggcctgaaaa	14520
acaccctaag	ctttcagttg	ggactgctga	cggattatgc	ctgaccagtt	aaaggaaacc	14580
agaaatagac	ccggtcaaat	aaaatattga	agtccatttc	ccgatcaact	tagtcactga	14640
ttagattaaa	gtaatctgtt	cttatttttaa	caccctagca	taagtcttct	ccatattctt	14700
tggagaagaa	aaaatgatcc	agaacctgtg	tatttttcat	atgtggtttc	tggatttcag	14760
caaagcaaaa	caaaaacaaa	acaggcatac	caagatatag	tttccagaat	atggtagaca	14820
gagaacccag	acttctgag	ttgagaagac	agagctcccc	atgtctgggg	agaccagggc	14880
aactagagtt	tgtaggacag	agtattggag	aggagagagc	tgcagagaga	acccagaggt	14940
tcctcacagg	gtacacctca	agtataaagc	tgagtactga	gcagcacatg	catgtaagga	15000
aactacctgg	gataaagaaa	gaactaccca	aaaggattag	aagaaatagt	gctcattgtt	15060
cacacagggc	tgggaattgt	gcctattccc	accagctaga	cttgaaaagc	tcataattca	15120
tggagggttg	ggtagtatac	tttgaaagac	catgccttag	tagtgggaag	tagccctaga	15180
ttgagcactg	cactgatcct	gtctaacaaa	tcttttaaaa	agacccaaaa	ggaacaaatt	15240
gttccagtta	atttgactgc	atcccagaac	aaagctcaaa	actattttaga	ggtatttgga	15300
atagcagtat	tagtaatat	gcagagggaa	gaatattgcc	agggataaag	aaaatcattt	15360
cataatgata	aaggagttga	ttcatcagaa	agacataaca	gtactaaaca	tttatgcatc	15420
taataacaga	acttcaaaaat	acataaatga	gaaattgata	gtgttccaag	gaggaataga	15480
caaattccata	actgtagtcc	aaagtttcat	taaccttctc	tcagtaattg	atgaaataac	15540
agaaaataat	taggtatata	aaagaagata	aaaatacaat	caactagctt	gacctcattg	15600
atctttataa	gatactctac	ccagctacag	caaatacata	ttcctctcaa	gtgtacatgg	15660
aacatttatc	cagttagacc	atattctgaa	ccataaaaaca	agtctcaata	aattttaaag	15720
gatttttagtt	atataagggtg	tgttcttgat	cacaatggaa	ttaattaaga	aatcagtaac	15780
aaaatttctca	aatatattggt	aactaaataa	catccttcag	aataactcat	tagtcaaagg	15840
agaaatcaaa	aggaaaatta	gggccgagtg	gagtgcactca	catttgtatt	cctaacactt	15900
tgggaagttg	aggcaggagg	attgcttgag	gccaggagtt	gaagatcagc	ctgggcaaca	15960
gagtgcagagc	ctgtctttaa	aaaaaataga	aaaaaaaaaat	tagctgggca	tgggtggtgtg	16020
cactcataat	cccagctact	tagctggagg	attgcttttag	cctaagagtt	tgaggttgca	16080
gtgagctatg	atcatgccac	tgcattccag	cctgggcagc	agagtgcagc	cctgtctcta	16140
aaaaaattat	ttttaataaaa	aaataaaggg	aaatgcagaaa	atatttgggg	ctgaaagtaa	16200
aagctcatat	atcaaaaagca	gtacttaggt	ggaattttat	agtattataa	gcttataagg	16260
tggggcacag	tggctcacgc	tggtaatgcc	aacactgtag	gaagtcgaga	caggcggatt	16320
gcttgaaatc	aggagttcgg	gaccagcttt	gacaacatgg	caaaaccctg	tttctataaaa	16380
aaatacagaa	aattagctgg	gtatggtggc	acgtgcctgt	agtcacagct	acttgatggg	16440
ggctgaagca	ggaggatcac	ttgagcccag	gatttcgagg	ctgcagtgcg	ccgagatcac	16500
accactgcac	tccactccag	cctgggtaac	aaagtgcagc	cctgtccccc	cacacccccg	16560
caaaaaaaaag	cttataagaa	gaaagggtctc	agattagtg	cctcagcttt	catcttaaga	16620
aaccaaaaaca	gaaaaagagc	aaatgaaatt	caaaaataagc	agaagaaaaga	aaataagaaa	16680
tatcaaaagca	gaaatcaata	aactagattt	tgaaaagtag	agaaaaatcaa	tgaaagcaaa	16740
tgctgtttca	ttgagaatat	taataaaaatt	gattaacctc	ttgacagaaa	acaggaggag	16800
gaaaaagaga	ggagttacaa	tttaccaata	tcggaatgag	agaggtgaca	tcactacaaa	16860
ttctacagat	actaatggat	aataaggaaa	cattatagct	tttctccaat	aattccatca	16920

acttattaat	agatgaaatg	aacaaattcc	ttgaaagaca	caagctacca	aagttcactg	16980
aagaggtagt	agagaatgta	aaagcccaga	tctattatag	acagtctcga	aagttagaaa	17040
tagaagagaa	cttccctagc	ctgataaagg	gaatctatgc	aaaacgtgca	cctaacatca	17100
tatttagtg	taaaagcaaat	agtaatatata	tcgatttttt	ttctttttttg	agacagagtc	17160
ttgctctttc	acccaggctg	gagtgcaggg	gcgcgatctt	ggcccactgc	aacctccacc	17220
tcccgggtcc	aggcgatctt	cctgcctcag	cctcctcagt	agctgggatt	acaggcacat	17280
gccaccacac	cctgctaatt	tttgtatttt	tagtagagac	agggtttcac	catgttggtc	17340
aggctggtct	tgaactcctg	acctcgtgat	ccacccacct	tggcctccca	aagtgcagg	17400
attacaggcg	taagccactg	cgcccagctt	tttttttttt	tttttttttt	tttgagatgg	17460
agtcttgctc	tgtcgcccaa	gctagagtgc	tgtggcgtga	tcttggtca	ctgcaacctc	17520
caactcctgg	ttcaagtaat	tctcctgcct	cagcctcctg	agtagctggg	attacagggtg	17580
cccaccacca	tgcccagcta	atTTTTTTTat	tttttagtaga	gaatgggttt	cacatgttg	17640
gaccaggctg	gtctcgaact	cctggcctca	ggtgatccgc	ccaccttggg	atcaccaagt	17700
gttgggatta	caggcgtgag	ccactgtgcc	tggcctgcct	agacttttaa	cttatttgtg	17760
taattacttc	aagtatagat	tactccaatt	taaacacaaa	gattgtgaaa	ctagatgaag	17820
aataaacata	ttcaaaatga	ttattaaatg	ttttaattgg	tgacagagtt	tttcatagcc	17880
ttttatcatc	tcagtgcac	atgtttttatt	tgtaggtagc	cacagagaaa	cagctacatt	17940
tataagaaca	ccatgaagaa	taattaaaaat	gttctttttt	tttttttgag	acagagtctt	18000
gctttgtcac	ccaggctaga	gtgcagtggc	aagatcttgg	ctcactgcaa	cctctacctc	18060
ctgggttcaa	gtgattctcc	tgccctcagcc	tccctagtag	ctgagattgc	aggtgtggac	18120
cactacacct	ggctaatttt	ttgtattttt	agtagagatg	gggtttcacc	atgttggcca	18180
ggcttgtctt	gaactcctga	cctcaggtcg	atccacctgc	cttggcctcc	caaagtgttg	18240
ggattacagg	tgtgagtga	cacacctggc	ctaaaacatt	cttttatccc	tgacttcagc	18300
tgagtttagt	ttgaaatgag	gctcttttatt	tgggggtgatt	gggctttgca	ggagggttgg	18360
tgggtggcct	ataattcccc	ccaatattgt	atgtaagata	ttacatgttt	gtatacagtt	18420
tttcaggaga	gagtccgtag	ctttcatcag	tctctcatga	ccaaaaacta	tttaagaatc	18480
atggcttgaa	gaatgaaaga	atcgagtgcc	atgttaagtg	tctaatttct	caataatact	18540
tccctgaaac	taatttctag	agaataattc	aaatgacttg	atctaaatat	gtgtgcatga	18600
gtcatcaaa	cagcctggag	taacatatta	aaagttatcc	caagggtctg	tctggttcaa	18660
actctgatga	aagccctata	tttcttatcc	tggactgggt	ttctcatagt	atgattccca	18720
gatcagcagc	agcatcagca	tcaccttagga	acttggttaga	aatacaaaatt	ctcaggccgg	18780
ccccaggcca	tacctactga	gttacaaaatt	ggagatggga	ccagggaatcg	gtgttttcta	18840
aggagctttc	cagggtgattc	tgggtgtgcac	taaaagtttga	taaccactgg	gttaggctat	18900
aattagaaaa	tcctgttctc	cgccccgctc	ccaagccagg	tttagaacag	tttgtttaagc	18960
aagtatctgc	agaaagacca	gtctaattgtt	gacagcttct	attttccatc	tttatggaaa	19020
aatcgtaaag	cctcaaaagc	ccaaatcacc	ctcacacaag	tgtcttgggt	tgacagcaa	19080
caccaaaca	cagtttagag	taatccaatg	tccagctgaa	attggaatta	tagagacaca	19140
gcatgtgagt	tcactcacaa	aaattttttac	caggaggctt	tttagggatg	agccccgtaa	19200
ttccaagggc	cttggctctc	agcctccttt	gaggcatata	acacagtctc	ttgaacagac	19260
tgaccctcag	taatgagggt	tcattaccct	cttcagaca	tgtggcaccc	tcacaaacat	19320
cctttaacag	agtgtcctagt	atcaccatgc	ttcgtttgca	aagtaactta	atgaattcgc	19380
tcagcctata	ttcttagtac	ccagtggtag	ggatctcagc	tgtagcagca	taaaacttga	19440
actgtccaaa	accagtctct	gaaaccttca	agtgtttatt	ctgtctactc	ctgctgttgc	19500
ttgaagcttg	atgtgtgtgt	acaccttact	gttttgctga	tgagaaatag	cacagggtac	19560
ttctcagtgg	ttctcattaa	aggagggcag	ccaagtggaa	ttcattcttg	gctcttaata	19620
gttttcaaat	gagaatttta	ttgcatacta	atgagcacta	attgacattt	gtgactgttt	19680
tttatggaaa	taatgcatgt	acaatttgca	taatagtacc	taagtgcctt	taggtaacag	19740
tacaactctg	ggaagttggg	gaagggtttt	gtatgatgct	ttttaaaaaa	gttcccaaac	19800
cccagccct	agaatagtat	agaatattaa	caggctctctg	ggatccaaat	ataaggcagt	19860
agtagtgact	cagttcctgt	agttgtacca	gcttgtagct	gagagtcaga	aaatgcatca	19920

gggcaggctct	ctaaaagcag	gaagcgctcc	cacagtagcc	agggaggatg	ttccagccct	19980
ctctaccttc	atgtgtcaac	cctcctgctt	ctcctaagtc	atgagtatct	agacagtgct	20040
gaggattgtt	ccaaggactc	ctacactgta	aaatgttttc	taaacatcac	ttggttgata	20100
tcaacaaaca	tggattgata	acctactatg	tgccaggcac	tgtgctagat	gccagagtaa	20160
gccccatgtt	gcttgctgcc	tgctgcatcc	ctatctctta	gcacaatgag	gcaacagtta	20220
tccatcaatg	tttattgaat	taatgaacat	gctgtctgcc	ctcagggatc	tgaggattca	20280
ttattcttac	aaaatctgac	gttgaataca	gtataaaatt	tgttgctctt	catgttagaa	20340
atattaatta	ttcagaactt	ggaattctgt	taggaaattt	agagaaacaa	gataatcttg	20400
gttttatgtg	ccccaagttt	tctgtatatc	aaatgaccct	tttaaatttt	gtgaaaatga	20460
aagaagccaa	tgtttactga	agatctagta	cgtatcagtt	acttttgcac	acatcctata	20520
catcctatga	tttaagcatc	aacaaaacct	atgagggtga	gatagtatta	tctgtgttta	20580
attgagcaag	cagctaagaa	ctggagaagt	gactaaccta	aggcatcaca	gatagaaaat	20640
tgtggaactg	ggacttaaat	tcagcctagg	ctgtgtctgt	tgacttgccg	cttattacat	20700
taaatgatcc	taggatatgt	taagcaaagc	caaaactctga	agtattgtac	tagtgatacg	20760
gctccgatga	ctggagggaac	actgggggtt	ttgggtctcat	gccggtttgg	ataaaatgac	20820
atggacacac	gtggagtggg	tttagggagg	gaaaagttta	ataggcagga	aagcagggaag	20880
gaagaagaaa	acagctcccc	ggtacgggga	gagaagtagg	gggattcaaa	caaagagaaa	20940
acctcatgtg	cggcagaaaa	gtggctgctt	atatgaggat	gcaggaggag	gtgggtgtctg	21000
atttgcatag	ggctcagggg	attggtttga	ccagtcatgt	cattcctgca	gcctgtgaaa	21060
aaactgaccc	tcccacccta	gctttttaat	atgcaaatgc	agggcgccat	tatgttttac	21120
acacatgggg	acatgtgggg	gtggccatgt	tgccaggcac	atgtaggggc	aagggaaga	21180
agatggcagg	aatcaccatg	tttggatgga	cccagtttct	aatggctggc	atttgcatat	21240
caaagcttgc	tggcccagct	cagagccggg	gctttcctgc	tagacaagaa	acgtttctgg	21300
agctgcttta	aaagaaataa	aaactcccca	aggacccctt	ttcctctcta	tctgcctaaa	21360
ataatttatt	aataactcct	gtaacactag	gatggaggga	tgaattgggtc	caggggtctt	21420
ggtgtgtgcc	ctgcattcag	ttgacctact	gtttacaata	cacctactgt	ttacaacact	21480
attttctaga	tcttgtgggg	aacccaaacc	aagggccagt	ctggctcacc	tataattcca	21540
ccaagcagcc	agaaaagtat	aaacgctcta	cagcaaaggg	ataaatcaag	gtttagtaga	21600
agaaaagctt	tataagtaat	gtggaactaa	aagggtgaat	atagttttca	ataatgttga	21660
gcataaatgt	tctccagatt	gtggaaagat	cactaactgt	tggctgggaa	gggtaggaga	21720
ggagagagtt	tgaaacacag	agaataggaa	ggagtgggtga	tgtagtccaa	taactcacc	21780
agaacccatg	gacgtgaaag	ctttgtttgc	tctcagatcc	ataactagac	taaaggagtg	21840
aatcagatct	gctcccctgc	accccaccct	gctcaccttc	cacacctgcc	aagggccacc	21900
cagcaattcc	attctgcttg	tcaaatcccc	taaggaggat	atgtctggaa	cagccaccac	21960
tcctccccct	gctcttcctt	ctggatatgt	aggattccct	gcacaaccgt	gctccagggt	22020
ccttgggatg	attattcaga	aaccagagaa	gtatgtagaa	aacttaatcg	gaggcactta	22080
aaggctttta	aagggaattt	taaaaacat	ctttccctct	tttataaggc	agtctgagta	22140
tttaagaagc	aaattaattg	agtccacttt	acagtgttgg	ggcaaaagca	tgcaagttcc	22200
aacatttaca	cactaacaga	aaattctttt	cccttccact	gtgctccttt	tctttcttgg	22260
gcctgctcca	caaacttcta	accacagtcc	taaaattggt	ccccatgacc	ctgtgtgctt	22320
cgattgccta	cactggtttc	agacccacgc	tgtggattca	aatcaaacct	gcctttctcc	22380
ctgttactat	gtccaccacg	cacctcctt	gcacacacag	tctttctctt	ctttcctcca	22440
tgtgcagacc	tttaccacag	ctgtcccaaa	tgtgtgaaag	gccaaaccata	actcttcctt	22500
taaaggtcct	ttagagcagt	atggaaagag	tgctgaactt	ggaagacct	gattctcttt	22560
ctatactcat	tatgtgatcc	tgagcccctc	acttaacctt	gcagggcact	tacaaaataa	22620
agagatggag	ttcatgat	cttaagggtca	ttttccatgt	ccaacattct	ctgactcttc	22680
atctttccct	gactcaacat	tctgttccta	tatagtcaac	accttcccac	cttaatctca	22740
tgctcatgcc	ctcttagaaa	gtcttttaca	ctgttgaggg	tgctagtggt	catgcctgta	22800
atcccagtac	tttgggaggc	cagagtgggc	agattgcttg	agctcaggag	tttgggacca	22860
gcctgcataa	catggtgaaa	ccccgtcttt	attaaaaata	caaaaaaaaaa	aaaaaaaaaag	22920

ccagatgtgg	tggtgcttgc	ctgtgggtccc	agctactcag	gaggctgaaa	tgggaggatc	22980
acttgaaccc	aggaggcaga	ggttgcagtg	agctgagatc	atgtcattgc	attccagcct	23040
gggtgacaga	gagacaccct	gtctcaattt	aaaaagaaaa	aaaagaaaga	aagcggcggg	23100
ccgcggtggc	ttacacctgc	aatcccagca	ctttgggagg	ccgaggcagg	tggatcatct	23160
gaggtcaggg	gttcgagacc	agcctggcca	gcattaagaa	actctgtctc	tattaaaaat	23220
acaaaaatta	gctgggcatg	gtgggtgggca	cctataattc	cagctactca	ggaggctgag	23280
gaaggagaat	cgcttgaacc	cgggaggtgg	aggttgcagt	gagttgagat	cgtactattg	23340
cactccagcc	tgggcaagaa	gagtgaact	ccatctcaaa	aaaaaaaaaa	aaaaagaaaa	23400
tatttgcatt	tgtgaactgt	cttctgtgtt	gaggatgttt	gtggcagaag	gagatagacg	23460
taggctctgt	ctacgtctgc	ctgggtgcctc	cacaaggagc	agtgtatgct	cagagaatag	23520
aagtgaattt	tactattagt	ataggtgacc	catattgaaa	atgtttgtaa	atctgctacc	23580
agaacaacac	agtcattcaa	agacaattaa	aaatgcattt	tatacttcct	gctattttata	23640
attattcatg	gatctgctgc	ctacagtcag	gtagtaaaag	gagagccaga	aggaatcata	23700
gtgaacatct	catacaatgc	tatctttgtt	gttggtttga	acataagcat	ttttgcgtga	23760
atttgcgtgt	aggtctcttt	tatttctctt	attgcataac	ctgaggctga	aatacttcaa	23820
gtaatgtatc	tatttgcctc	tattgggtag	aaacatccct	attattccaa	ttttcccttc	23880
tcctgcttaa	aacatatagt	gaaatgaaa	atgcagagat	aaggaaatca	gggaaaagaa	23940
aaatagtcac	aggatactaa	aatgagccac	agatacctga	aactgcatag	ttgctataaa	24000
tgagccataa	atttgattct	gagctttcca	gtggcccca	aaagataaac	ataatagtat	24060
ttattccatg	acataaaaa	gtatttgtat	ttctctgtgt	tcaagaggaa	gagaaatttg	24120
tactatgggt	cctcatgaag	gagccactaa	gtcagtgttg	tagaccacac	attcaacgat	24180
atcgtattaa	tacccatgat	gatgaattca	ttcattcaat	aagcatttat	tgagtactta	24240
ctttgtgctg	tatatgtttc	agtgtattgc	agtaattatt	ctttttgatg	ctcaaattgt	24300
cctattgtgg	gtcagtagga	gcccgttgat	tcattgtcct	ttgacattat	tctgtagttt	24360
ttgatacttt	ttttcctagc	atgatgagat	gttccaggct	tatgtcgtat	atttcttggt	24420
ccgtaactca	aattgaccat	tttgttaatg	aaacttgatt	tttttcagtg	aaaagtgggt	24480
ttatagaaca	caatctgggc	acttgaagtg	tttattgtta	ctgggttgct	attacttaca	24540
agactcagtt	aacaaattag	gaaaaagatt	gatttagaaa	gaaaataaat	cctgagttca	24600
tattgttatt	tccaatttaa	agattaaagg	gttttcgtat	aacttatttt	atatgtgtat	24660
gtcttttctc	ttactttgaa	atcttggttt	ccaataacat	gaacataatt	acttccctta	24720
tcctaatagg	tacgtatatg	tgtatatgtc	tatgtatgta	tgtatgtagg	tatgtatgtg	24780
tgtatgtttc	tatctgtaaa	acaggaaaaa	taccaccta	atggagctta	agatttcttt	24840
atgagtattt	tttgtcctta	gggtatttaa	tcaaattact	gttacttaaa	ataatgtttc	24900
tctatgtggg	tatgccatca	acttcatata	caattatttt	atttcaattt	gtcttcgatt	24960
tttaaggatg	gttttcttct	tctgatttaa	ttttgttttt	aaattatgta	aaatattttc	25020
ttggtttcag	agtcaaactc	atgaacattg	agaggctctat	tttgcctctc	tgtcccctcc	25080
cccttattat	tttactcccc	ttatagataa	tgcttttatt	tttccattac	tttttttttt	25140
tttttttggg	gacaggagtc	tcgttctgtc	acccaggcag	gagtacggta	gtgtgatctc	25200
ggctcactgt	aacctccacc	tcccagggtc	aagcaattat	cctgcctcag	cctcctaagt	25260
agctgggact	acagacactg	accacatgct	ctggctaatt	tttgtatttt	tagtagagac	25320
agggtttcac	tgtgttgatc	aggctggtct	caaactcctg	acctcaagtg	atccgcctgc	25380
cttggcctcc	caaagtgccg	ggattacagg	tgtgagccac	cgtgcccagc	ctctattact	25440
ttttgaaaa	aagccaatga	cctatatgta	tcctatctcc	tttcttacac	aaaaggtagc	25500
aggccagagt	tcaagattac	agtgagctgt	catcatgcc	ctgcacttta	gcctgggcaa	25560
cagagtgaga	ccttatctct	aaagaaaaac	aaacaataaa	aaattttaaa	aataatttct	25620
atgaattaaa	aataatttta	aacacaactg	catatgaaga	caacaaaagg	aaactctcag	25680
gaaacactga	aatatgaaaa	tcaagtgaga	ttagagcaaa	taaggatgtg	tatgggaagg	25740
ttctgtagaa	gacagattga	ggcccaaaca	gagagagctc	taaatacatc	atgaagggtta	25800
ccagaaatgt	gagaaattcc	tgaagaagag	ggaagaagca	aatcctctcc	aaatttagtt	25860
cacttagttg	ataatcatta	gttgattccc	agtagagtca	gtcttttatc	atcagtgcc	25920

ccactgttgt	tctctgcatt	aacaaaggag	atattaatct	ggaaagctgc	aatcattttc	25980
actgtagaat	cagcctttta	tttttttaggg	ttttttaatt	tttttttttt	aggacacctt	26040
catttaagat	cacttcatat	ctcctctggc	ttttgcaa	gctctttggc	tgatctactg	26100
tttccaccac	tgtcctcaac	attttttagt	atattattta	atztatgtat	gtattgggtg	26160
ccactgatta	ttgtttgcct	tccccattg	gaacacagat	tctataaaa	tagggatcct	26220
tattttgttt	accactgtat	tccagggtgc	tagaacagtt	cctttcacat	tgttgggtg	26280
caaaaagaaa	aaagttaa	gaatgaatat	cagcagcaag	agcattttga	ggagaaaag	26340
aaggtgtaac	tgtgggggtc	tccattaatg	tatgtatatc	atcctcttat	acatttgtcc	26400
catcacccgc	tagccctgga	actctcatta	tttttttttc	tggtaatgca	ggctccaact	26460
caactggcaa	tgagaatatg	aactgaggca	actgtatttg	aaaaatgaaa	gaatataggt	26520
gatatgggtt	taaaagaattc	agtatttgtg	tattttttcca	ataagtacat	gcttatgagc	26580
atagcccttac	aaaataacaa	aaataatttt	ttacattttac	tcacacactt	accattttcca	26640
gcactcttca	ttcctttgta	tagatccaaa	tttgatatctg	gcatcatttt	acttctgcct	26700
aaagaactaa	ctctaacatt	tttttatagt	gcatgtctct	cagattttct	ttgtctgaaa	26760
attactttat	tttaactcca	tttctgaaat	acattttcag	tggttattgt	attctgggct	26820
gacttttttt	ttttttccca	gtgcttgaga	gatgccattc	cattctcttg	tggttttcat	26880
tatttttgat	gaaaaatcag	ttgtaagtct	tactcttggt	cctctgtaca	taatctgact	26940
gctgcttcta	aaattttatc	tttattgctg	gttttttagca	atttctgtgc	cttgttttgt	27000
ttttgttatt	tagtgtttgt	tctgcttggg	attgggtgag	cttggatctg	taggtttata	27060
cttttcatca	aatacgaaaa	attttgggtca	ttattttttca	aataatttttt	ctactcctcc	27120
ctcctcactt	tttccccctc	aaacagcagt	tacatgtatg	tcagacaact	tgctattatt	27180
ctataagtca	ttgagacaat	gttcattctt	ttttattttt	aattttttgtg	ggtaaataagg	27240
tgaatatatt	taggggttca	tgagatgttt	tgatataggc	atgcaatgta	aaataagcac	27300
atcatggaga	atgggggtatc	tattccctta	agcattttatt	ctttgaatta	aaaacaatcc	27360
acttacactc	ttatcacttc	tcagcctttt	gggataagat	catgtgtaaa	aacaatgtac	27420
ttacactttt	catttttaaaa	tgtacaatta	agttattatt	gactatagtc	accctgttgt	27480
actatcaaat	agtaagtctt	actcattcta	actaattttt	tataaaacttt	aactataccc	27540
acttctcctc	ccacctccca	ctcccttttc	aacctatggg	aacctatcctt	ctatactctg	27600
ttcatgagtt	cacttgtttt	gattttttaga	tcccacaaat	aaataagaag	atgtgatgtt	27660
tgtctttctg	tgcttggctt	atttcactta	acgtaatgat	ctccagtgcc	atccatgttg	27720
ttgctaatta	ctggacctaa	ttcttataca	tggtatgaata	gtacatcatt	gtgtagatgt	27780
accacatttt	ctttattcat	tcattctgtt	atggagactt	agattgcttc	caaatcttag	27840
ctatagtaag	caatgctgca	acaaacagga	gtgcagacat	ctctttaata	tactgctttt	27900
ctttcttttg	ggatatatatc	cagcgatggg	attgccagat	catacagtag	ctcaattttt	27960
agttttttga	ggaacctcca	aactgttctc	cataatgggt	gcactaatgt	acattcccac	28020
caacagtgtg	caagggtccc	tttttctcca	catcctcacc	agcatttgtt	attgcctgtc	28080
ttttggatat	aagccatttt	aactgggggtg	agaagatatt	ttagttttca	tctgcatttc	28140
tctgatgata	aatgacattg	agcatctttt	catatacctg	tttgccattt	gtctgtcttt	28200
gttggaaaaa	tttctgttag	ctcttttgcc	cattttttta	atcggattat	taaaattttt	28260
cctatagagt	tgtttgagct	ccttatatag	tctgggtgatt	aatcctttgt	cagatgggta	28320
gttggcaaat	attttctgtc	attctgtgag	ttgtctcttg	actttgttga	ttgtatcctt	28380
tgatgtacag	aggctttgta	acttgatgtg	atcctatttt	tccatttttg	ctttggctgc	28440
ctgtgcttgt	ggcatattgc	tcaagaaatg	tttgcccaga	ccaatgtcta	gagactttct	28500
gcaatgtttt	cctgtagtat	tttcatagtt	tgaggcttta	gatttaagtc	tttaatccat	28560
tttcatttga	tttttgata	tggtgagaga	tggtgtcca	gtttcattct	tatgcatgtg	28620
gatataccagt	tttcccagta	ccatttattg	aagagaccct	ctctttccca	gtgtatgttc	28680
ttggcacctt	tgccaaaaat	gagttcactg	tagtttctgg	gttctctctt	ctgttctatt	28740
ggctctgagtc	tgtttttatg	ccagtactat	tctgttttag	ttacaatcat	tctgtagcat	28800
aatttgaagt	caggtaatgt	gattcctcca	gttttgttct	tttcactcag	gataccctta	28860
actattctgg	gtcttttgtg	gttccacata	aatttttagga	ttgtattttc	tatttctgtg	28920

aagaatgtca	ctggatattt	gatagggatt	gcattgaatc	tgtagattgc	tttgggtagt	28980
atggacattt	taacaacatt	gattcttcta	atccatgtat	atgggatatt	tttccatttt	29040
tgggtgtctt	ttcaattttt	ataatctgtg	ttttatagtt	ttcattatac	agatctttca	29100
cttcttttgg	cagggttaatt	cctagatatt	taatttttat	tgtggctatt	ataaatagga	29160
ttacattttt	atttcttttt	cacatagttc	actgttggca	tatagaaatg	ctactgattt	29220
tttataaaact	tttatgttat	gttcaggtgt	ataggtacag	gtttgttata	taggtaaact	29280
catgtcatgg	ggtttgtcgt	acagattatt	tcatcaccca	ggtactaagc	tagtaccat	29340
tagttatttt	ttctgatcct	ctccctcttc	ccactcttca	ccctcagtag	gccccagtgt	29400
ctgttgttcc	cctctgtgtg	tccatgtgtt	ctaactattt	agatcccact	tgtaatgtgag	29460
aacatgcagt	atttggtttt	ctgttcctgt	gttacttttc	taaggataat	ggcctccatc	29520
tccatccatg	ttcctgcaaa	ggatataatc	tcattctttt	tatggctgca	tagtattcca	29580
tgatgtatat	gtaccacatt	ttcttttttt	ttcccttcaa	cttttatttt	aagttcaaga	29640
gtacatgtat	gtacaagatg	tgaagtttg	ttacataggt	aaatgtgtgc	catggtagtt	29700
tactgcacag	atcatcacat	cgcctaggta	ttaaggccag	catccattag	ctattcttcc	29760
tgatgtcttc	cctccctcac	cacacccct	ccgacaagcc	ccagtgtatg	ttgttgcccc	29820
ctcacatgtg	tccatatgtt	ctcatcattc	agctcccact	tataagttag	aacatgtagt	29880
gtttggggtt	ctgttcctgc	attagtttgc	tgaggataat	ggcttccagc	tccattcatg	29940
tccctgcaag	gaacatgatc	tcattccttt	ttatggctgc	atagtattcc	atgggtgtata	30000
tgtaacacat	tttctttatc	tagtatatca	ttgatgagca	tttaggttga	ttccatgtct	30060
ttgctattgt	taatagtgtc	gcagtgaaca	tatgtgtgca	tgtatctttg	taacagaatg	30120
atttatattc	ctttggatat	agaccagta	atgggattgc	tgggtcaaat	ggtatttctg	30180
cttctaggtc	tttgaggaat	tgccacacta	tcttccacaa	tgattgaact	aattcatact	30240
cacaccaata	attccttttt	ctccacaaca	ttggcagctt	ctgttgtttt	ttttgacttt	30300
ttaataatag	ccattctgac	tggcatgaga	tggatatctca	ttgtggtttt	gatttgcatt	30360
tctctaatag	tcagtgatgt	tgagcttttt	ttttcatatg	ttgtttggcc	agatgtatat	30420
cttcttttga	gaagtgtctg	ttcatgtcct	ttgcccactt	tttaatgggtg	ttgtttgttt	30480
ttcttgtaaa	ttggcttaag	ttccttgtag	actctgggtta	ttaaaccttt	gtcagataga	30540
tagattgcag	aaatttttct	cccattcttt	agggtgtctg	tttgctctaa	taatagtttc	30600
ttttgctgtg	cacaagctct	taagtttaat	tagattccat	ttgtcatttt	tgctttcatt	30660
gcaatcactt	tcggcatttt	tgtcatgaaa	tcttttctg	tgcttatgtc	ctgaatgggt	30720
ttgcctagac	tttcttctag	agtttttttt	tatagttttg	ggttttacat	ttaatgtctt	30780
aatccatctc	cagttaattt	ttgtatgtgg	tgtaaaggaag	gggtccagta	ttaattttct	30840
gcatttggct	agccagttcc	cctagcgcca	tttgttaaat	agggaatcct	ttccctattg	30900
cttgtttttg	tcaagcttgt	caacagtcag	atgggtggtag	gtatgtgggtc	tgatttctga	30960
gctattttgt	ttcattgggt	tatgtgtctg	cttctctaca	actaccatgc	tatttgggtt	31020
actgtagcct	tgtactatag	tttgaagtgt	ggtagtgtga	tgcccaagc	tttgttcttt	31080
ttgcttaata	ttgccttggc	tattagggct	cttttttggg	tccatatgaa	ttttaaaatg	31140
attttcttct	aattctgtga	agaatgtcaa	tggtaattta	atgggaatag	cattgaatct	31200
ataaaattact	ttgggcaata	tggccatttt	catgatattg	attcttccta	tccatgagga	31260
tgaaaatgtt	ttccgtttgt	ttgtgtcttc	tctgatttct	ttgagcagtg	gtttgtagtt	31320
ctccttgaag	aggtccttca	cttcccttat	tagctgtatt	cctaggtatt	ttattctttt	31380
tgtagcaatt	acgaatggga	gttcattcac	aatttggctc	tctgcttgcc	tgttgttggt	31440
gtataggaat	gctagcaatt	tttgcacatt	gatgtttata	tccttagtct	ttgctgaagt	31500
tgcttatcag	cttaagaagc	ttttgggctg	agacaatggg	gttttctaga	tataggatcg	31560
tgtcatctgc	aaacaaagat	aatttgactt	cttctcttcc	tatttgaata	ccatttat	31620
ctttctcttg	cctgattgcc	ctggccagaa	cttctaatac	tatgttggat	agaaaatagt	31680
agatagggca	tccttgtctt	gtgccagttt	tcaagggaat	gcttccaact	tttgccatt	31740
cagtatgata	ctggctgttg	gactgtcata	gatggctctt	attattttga	agtatgttcc	31800
ttcaataacct	agtttattga	gagcttttaa	catgaaggga	tgttgaattt	tatcgaaggc	31860
cttttctggg	cctattgaga	taatcatgtg	gtttttgtct	tttattctgt	ttatgtgatg	31920

aatcacattt	attgatttgc	atatgttgaa	ccaaacttga	atctcagggg	tgaagccaac	31980
ttgatcgtag	tggatacgct	ttttgatgtg	ctgctggatt	tggtttgcca	gtattttatt	32040
gaggattttt	gcctcaatgt	tcatcaagga	tattggcctg	aaattttctt	tttttgttgt	32100
tgtatctctg	ccaggtttgg	tatgaggatg	atactggcct	caagaatgag	ttagggagaa	32160
gtccttcctt	ttcaattttt	tggaaaagtt	tcagtagaaa	tggtagcagc	ttttctttgt	32220
accgctggta	gaattcagct	gtgaatctgt	ctgatcttgg	gctttttttg	gttgtaggc	32280
tatttgttac	tgcctcaatt	tcagaacgtg	tcattgggtg	attcagggat	tcaatttctt	32340
tctgcttcag	tcttgagaag	gtgtatgtgt	ccaggaattt	atccatttct	tctagattct	32400
ctagtttatg	tgcatacagg	tgtgtgtagt	attctctgat	ggttgtttgt	atttctgtgg	32460
gatcagtgat	gatatcccac	ttaacatttc	tgattgtgtc	tgtttgattc	ttctctcttt	32520
tgttctttat	tagtctagtt	agttgcctat	ctttttatta	attttaaata	aaacagctcc	32580
tggattcatt	gatttttttg	aaaggttttt	tgtgtctata	ttttcatttc	aactctgatc	32640
tgatcttggg	tatgtcttgt	cttcttctag	ctttgaaatt	tgtttgcttt	tggttctgtc	32700
attcttttag	ttgtgatatt	aggttgttaa	cttgagatct	ttctagcttt	ttgatgtggg	32760
catttagtgc	tataaatttt	cctcttaaca	ctgcttcagc	tgcacccag	agattctggg	32820
atgttgtctc	tttgttctca	ttagtttcaa	ggaatttctt	gatttctgcc	ttaattttgt	32880
tatttaccac	ggagtcattc	aggagcagg	tgttcaattt	ccatgtagtt	gtgtggtttt	32940
gagtgaattt	cttaatcttg	agttctaatt	tgattgtgct	gtggtcagaa	agactgttat	33000
gatttcaata	cttttgcctt	tgtgaaaaa	gtgccatgtg	gtgatgagaa	gaatgtatat	33060
tctgttgttt	ttgggtggag	agttctgtag	atatctatca	ggcctctttg	atccagagct	33120
tagttcagg	cctgaatatc	tttgtttaatt	ttctgtctca	gtgatatgtc	taataattttc	33180
agtggagtg	caaagtattt	cactattatt	gtgtgggagt	ctaagtctct	ttgtaggtct	33240
ctaagaactt	gctttatgaa	tctgggtgct	cctgtattgg	gtgcatatat	atttaggata	33300
gtagctctg	cttggtgaat	tgaacgcttt	accattatgg	aatgcccttc	tttgtctttt	33360
ttttatcttt	gttgggtgtaa	agtgtgtttt	gtcagaaact	aggactgcaa	cccttgcttt	33420
tttctgtttt	ccatttgctt	cataaatttt	tctccattcc	cttattttga	gcctatgtgt	33480
gtctttgcac	ttgaggtggg	tgtcttgaag	acagcatact	gatggccctt	ggctgtttat	33540
ccagcttgcc	attctgtgac	ttttaattgg	gggcatttag	cccatttata	tttaagggtta	33600
gtattgttat	gtatgaattt	gatcctgtca	tcatgatgct	agctgggttat	tttgctgact	33660
tgtttttgtg	gttgcttcat	agtgtcactg	gtctgtgtac	tttagtatgt	ttttgtagta	33720
gctggtaaca	gtttttcctt	tccataattt	gtgcttcctt	caggagtgtc	tgcagggcag	33780
cctgggtgtg	acaaattccc	tcagcatttg	cttgtctgaa	aaggatctta	tttctccttc	33840
acttatgaag	cttagtttgg	cccgatgtga	aattctggat	tggaaaatatt	tttctttaag	33900
aatgttgaat	attggtttcc	agtctcttct	ggcttgtaga	gtttctgctg	aggagtccac	33960
tgttttctgt	tgggcttccc	tttgtaggtg	acctggactt	tctctctggc	tacccttagc	34020
attttttttt	tcattttcac	cttgagaaat	ctgatgatta	tgtatcttgg	agttgatctt	34080
cttgtggagt	atcttactgg	ggttctcggc	atttcctgaa	tttgaacttt	ggcccatctt	34140
gctagcttgg	agaagttttc	ctgtatgcta	tcctgatgca	tgttttccaa	ctcagttcca	34200
ttctgcccc	ctctttcagg	tacccagctc	aagtcatagg	tttggctctt	ttacataatc	34260
tcatatttct	ctgaggtttt	gttcattcct	tctcttttta	tttgtttctg	tattcttgtc	34320
tgcctgtcta	tatgcagaaa	gatagtgttc	aagctctgaa	attctttcca	ctgcttgggc	34380
catcctatgg	atacttgtga	ttgcattgtg	aagttcttgt	gtattacaag	aactttattt	34440
ttttatcttt	atccagtcta	ccattgatgg	gcatttaggt	tgattctatg	tctttgttat	34500
tgtgaataat	gctgtaatga	acatactaga	atgattcatg	tttatttggg	taaatgtgtg	34560
ttgatttcgt	atcctgcagt	tttattgaat	ttatcagttc	taatcatttt	tcttgtggag	34620
tcttttaggt	tttccaaaata	taagatcata	ttgtctgcaa	acaatgatca	tttgagttat	34680
tccttttcaa	tttggatgct	ttttatatct	ttctcttatc	taattgctct	agctaggact	34740
tccagtagta	tgttgaataa	cagtgatggc	agtgggcatac	cttgttgtgt	tccagatttt	34800
agaggaaagg	ctttgtcctt	cccctatgcc	ccaggtaggt	ccaggagtca	aggactagag	34860
tccaaaacct	tagaagtcta	cctggtattc	tattatactg	tggctgagct	ggccctcaga	34920

ccacaagaca	cagtccttcc	cactcttctc	tcccccttcc	aaaggcagag	gaactgcctt	34980
tagtagagac	agggtttgcg	catgttggcc	actgccaacc	cagcccatga	ggaggactgc	35040
cagactactg	ctgatgttcc	cttaaggccc	aagttctctt	aaatcagctt	gtcctgaatg	35100
ttacctagcc	tgagactcac	ccttcaggac	agtgggctcc	cctctggccc	aggggaaggtc	35160
cagaaatgct	gccccagggt	caagtcctgt	aatcagggac	tccaagagcc	ctcttggtat	35220
tctaaccccc	tgtatctgtg	gtggtacctt	aggtgcaaga	caaagtccct	tttacatttc	35280
cttctgcttt	tatcaagcag	aagttttgtc	ctgcagccac	cacagctggt	aatgtactga	35340
gttctacctg	aagccaggaa	gtctcagagg	ctcacccaag	gccctcaaca	tagtccctgg	35400
ttattgctgc	tggttattca	gaaccaaggg	ctcttcactt	agcaggatga	aaatgccggc	35460
agggctgggt	cctttccttc	aatgcagtg	gttccctctg	gcccagggtg	tgtctagtaa	35520
tgctacactg	tttctagggc	ctagaatgga	ggcctcatga	ctctgaccag	tgccctatcc	35580
tgctgtggct	gcgctgggtat	cctagacgca	agacaatggt	ctccccactt	ctccctctcc	35640
tattctcaag	tgggaaggaa	gggtctcttt	tggagctgta	agctgtgtag	cctggggtaa	35700
ggggaggggt	gatgccaata	ctctcttggc	tgccccagct	ggtgtctcag	taggttgcat	35760
gcactcccag	tctgctgtct	ctgggcctag	ttcagcacca	ggactcacct	aagagttgca	35820
gtccttatgg	cctagactgc	ttttgaagtt	tacttgagaa	caaagagcac	tgtggccttc	35880
actggtgagg	tttacaggca	ctcaagttta	gaccactggg	attggtgatt	cttctctggc	35940
tagggctgtt	ttaaatcctc	cctccgtttg	cacatttcag	ctgagtttga	tctagtttgc	36000
ctttctgctc	tgatttctgg	ttcttatgaa	ggtgtttttt	tctgtgtaga	cagctgttaa	36060
cttggtgtcc	ttgcagaggg	aatgatcagt	ggagccttct	atttcgccat	cttgatccgc	36120
cgccatatat	cattcttatc	aatcattttc	tgtttatgca	cctgaaaata	cactggtata	36180
caaaattaag	atccttactt	tcacagaatt	tgtgttctaa	tgggggaagt	caataatcgg	36240
tggacaccaa	tacatatata	aattaaataa	cacattaaaa	ggtgttgagg	acatgctggg	36300
catggtggct	catacttgta	atcccagcac	tttggggggc	cgaggcgggt	gcatcacttg	36360
agatcaggag	tttgagacaa	gcctggccaa	catggtgaaa	ccctgtctct	actaaaaata	36420
caaaaattag	ctgggtatgg	tggcaggtgc	ctgtaattcc	agctactagg	gaggctgagg	36480
caggggaatc	gcttgaagct	gggaggcaga	ggttgacagt	agctgagatc	ctgccactac	36540
actccagcct	ggacaacaga	gtgagactct	gtctcaaaaa	aaaaaaataa	ataaaaaata	36600
aagctgttga	ggacaatgga	ggaaaaggca	gatcagagaa	agaacattta	caaaagccag	36660
agggagtgtg	aagcaatttt	aaatgaggtc	agatttttgg	ataatttcta	ttgctatgtt	36720
tttaagttaa	ccaatgtttc	tttttgcaat	gtctgatctg	ttacattttt	atttcagata	36780
ttatatgttt	atctctagaa	gttctattta	gatctccttt	ttatctttca	attctctcct	36840
cattttgttc	atattttgct	ttatatccta	gagcatattt	ataatagttg	ttttaagggt	36900
cttgtgtgat	agttatatca	tttctgttat	ttctgtgtct	gatattattt	atctattttt	36960
taaaacttta	tgggtatagg	tcataatttt	tcatttcttt	gaatgcctgg	tgattatttt	37020
gaattttaca	ttgttgagca	ctggatgttg	ttatatcctt	tttaagagca	ttgagttgtg	37080
ttctggaatg	cagttgagtt	tttacagatc	actttgatcc	atttgagact	ttccttttagg	37140
gtatatccag	agtaacatct	agtttagagt	taatttgttt	ttactactaa	gatgtggctt	37200
ttctgaggat	tttatccaat	gtcctgtgta	ttttgggggtc	tctccacact	ggctgatgga	37260
aacacagggt	agtctcagcc	ctgtgtgagc	tccaggaatt	actcagctat	tgccctatcag	37320
tgtttttttc	ttcaactcca	agtagtttct	tccagctcat	atccaaatca	tacttaggag	37380
aagactgggg	gggatcctct	gcagatttcc	aaagtgtctt	ccccactctc	tgtatctccc	37440
tcttcttcat	tactctgtcc	cacaaattct	aaccacctca	acatccttaa	attccaatcc	37500
attccccctt	acctcaggta	gaattctagg	ttctgattgg	ttttccctcc	acgtgctgtg	37560
acctggaaaat	gacctccagg	cagtatctct	taggaagccc	agttgtgtgg	catctgttgt	37620
acaatgcctg	aaaaatgattc	tttcatgtgt	tttgtctggt	tttcaacttg	ttcacagaaa	37680
aaagcaattt	gcacagcagt	taattcttca	cagacagaag	cagaagttct	accaactgca	37740
aaacaaccaa	aacaacttgt	taaaagacag	tatttgtatg	actggtcata	aattacgtat	37800
agaagaatag	agattttgtg	agaaagatat	gggcctgtac	agaggggtga	acttgcaaat	37860
gaccatcttg	cttgggggata	gtgtctgttt	tcctgatcct	aatcactggg	aaggattctg	37920

taatctctgt	caaataaatt	gcaaacacta	ccacacatgg	ccttgggtct	actactgtct	37980
atgacataaa	cagtttctcc	ctagagactt	agttgtgagg	gtacaggggg	aaggtagctt	38040
ttggaggggc	ctggaagacc	cttccctttg	tgccttcgat	tctgtatata	tcttgtggtc	38100
agaagtctta	ccattaccct	ctctgataac	tccccaccca	ctttcccaat	cactaaacac	38160
tttttgaaac	cattcaactc	tttcctttca	atgattgagc	ccttcattgt	ttcatcagct	38220
cctcttgtgt	gaatctctct	gaatgtgtgc	caagtttgca	gtttaatgcc	tgtcccatgt	38280
aggagcccaa	tatcacggta	tataaagttt	ctacactgga	tatccatgga	ctgaagaggg	38340
gcctagcatt	cagggttcca	agccagtgag	tttagcttat	ccaagggtag	ctctagaatg	38400
tgtcagaaa	tttattccaa	gtcagagttg	catcccccag	gacttttagg	tcagatggac	38460
aaccccatca	tatttacaga	atccctcaaa	gataatttaa	gtttaagatt	gtcagcccac	38520
ctggggtgca	cagtgttgac	cagggtttct	taaccttagc	actgttgaca	tttggggcca	38580
gataattctt	tgttgttcag	accatcctgt	gaattatagt	atgttttagca	gcatccttgg	38640
catctaccta	ctagatgtga	atagcatcct	tctcttaatt	ttgacaacca	cagatgtctc	38700
cagaattgcc	aaatgtcccc	taaaggtgca	aaattgcata	gttgagaact	actggtaaag	38760
aggcactatg	gcatgccaa	ctctagggag	cccacagaag	tgcacctctg	ggaactaaag	38820
ctgaagaaac	ccaagaggcc	ccttgggtatc	ttcttgggaag	aagttagtcc	agagtgtctg	38880
caccatgtgg	agtgtatact	gggatgacat	tgaccttgga	atgtaaaactc	ctgggattct	38940
tgcctctgca	gatttggagc	agggttttct	tcttctctgc	ttttcagttt	acttatttga	39000
aaatgaggaa	tgggtgtttac	atcacaaaac	actgtagtga	ggacaaaatg	aggttttatg	39060
tatatataca	cccatacata	tacatataca	cttcttccaa	atgatataat	aatatataaa	39120
cattgaatga	ataatggttc	aaatataagt	gtacttattt	gccactatga	ttaaaagggc	39180
aatataggaa	aaatacatct	tcttctaata	catcatgttg	taataatcct	ccctgtgggt	39240
gcagtatggt	tctgtgctag	aaggcacaat	aggaaatctc	taactttaaa	aaaaaagaaa	39300
agaaaaaata	tctttctagc	aattaaaatc	tcaactaaat	tagaatgcaa	ataggttttt	39360
atatttgctt	cttaattttg	cattcaataa	tctgactaga	atatgcaata	atttaaatgc	39420
cttgatggga	gatagtggct	tttagttctc	ttgggatttc	attgtaataa	acctggtaaa	39480
taattcagga	acatatgaga	ggccaatgaa	tggtcagcac	ctgggtctat	attatttgtg	39540
cctaagcaca	cagactccaa	agatggcact	ctccacctgt	cactgttggt	ctggcttaaa	39600
catgggccct	gtgttcagtg	gctattgaga	taatagtaat	ggatatTTTT	gccttgtcca	39660
attttctctc	acaatcaaag	aaaactgtgc	taagctgttt	aaaaaataca	aagcagaagt	39720
ggcagcctct	tttagattac	cactggtaaa	atttcaaatc	tattttctct	attaagggat	39780
tgattgtttt	aaagaattag	ggatatggct	atcttttcta	ctgggtgctaa	tttgagcctt	39840
tttgcccttc	tgtctttgtt	ccacaaggct	gagcttctct	ttagatcaca	ttattcatat	39900
tgaaggatc	ttctgagaga	aataacacca	tcctctggcc	agccactcac	tctgcaggag	39960
ttcctagagc	tccccagttt	ctttccctat	tgcctgagta	gtctatctca	cgctgttag	40020
tctcacagtt	taaatacaaa	cacacaaaga	ctcttgagg	cagcttgggt	acctttcttt	40080
gacccagcc	gactggacat	agagaacaag	agctagagag	aacaagagct	agagtgaccg	40140
acagatcatg	tgtggagaca	gcatggggca	cctgagccca	gcaccatcca	ggatcagaca	40200
gaacttaagc	catgagctgc	ctagaaaagat	cctggggagg	cactgggttt	cccagtatgg	40260
aaaaaagaaa	aatgtggctc	acaagtctaa	gctaaggctc	ttacagtact	gggccataaa	40320
caggatctga	aaagaaactg	cagaaaatgt	tagatatgct	ttatctttgt	tttaaaaata	40380
ttatttacta	taatggctta	aaatatgttg	atttaaatat	atgatatattg	atacctttgt	40440
aatatatata	ataaagtgtg	taataaaaata	taactatata	attaaaatag	atgatatattt	40500
aaaacctctc	taataaaacca	tttacgtgtg	tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	40560
tgtgtgtgtg	tatacatgcc	tttgtttaac	aggtttaatt	gctttccttt	cttcagggaac	40620
cagagtgagg	gtactcgaac	agtgactgcc	atctggtggt	taaccagaat	catcaccttg	40680
tgtagcctga	tggttactaa	gatgtccact	cttgactcac	atggcatgca	ctcgcagcag	40740
gggaccagtt	gaaggatgtc	tgacttttga	gggtcaccag	ttgaaggatg	tctgatgaag	40800
gagcctagcg	aaataaccct	ttgcttctac	ctgaatgggt	tgttcactct	ggattctgag	40860
cctgcagcca	gctccaaaat	ggggcctctg	aagaaaagat	ttgagttgct	cttgtgtctt	40920

agtcaaagat	ctacatccct	accagtgggt	aaccaagact	gtgaataagc	acacaccaac	40980
aggggcatgt	ggtgacatgg	agcctgaaat	aaactgctct	gaattgtgtg	acagttttcc	41040
tggccaggag	ctggatcgga	gaccccttca	tgatctctgc	aagacaacaa	ttgtaagtga	41100
gcagccacag	gatgccaggg	ctgctcagat	gtatgtgggtg	gtgggtgggtg	tggggaggag	41160
gaggtggagg	gaaaggggga	tgaggaaggg	gaggagtggg	aggagaaact	gctcatgcag	41220
gatacatatt	tcccagcact	tggtgacgat	ggggcagttt	gtttttgacc	tatagaagat	41280
ccttcattcc	taacagctcc	tccttattct	gtcctcagac	atcttccac	cacagcagta	41340
agaccatctc	ttcattatct	cctgtcctct	tgggtattgt	ttggactttt	ctcagctgtg	41400
gacttctgct	gatacttttc	tttcttgctt	ttacaattca	ctgcaggaag	aacaggtaag	41460
cagcccagtt	tctcatcaca	catagctcaa	tcatgaaatc	ccaaatgtta	gtatcttttg	41520
gcagcacaag	ccactatctg	gtctcccact	acaggattaa	accacatgag	acattccctc	41580
tgaaatagtc	tacctgttga	gaaggggaaa	gatctagggtc	ggtattgtgc	taactactgc	41640
aagggtatcc	aaagaagaga	atgaagagtc	tctctctata	atggagggtac	aatccttctg	41700
agaagatgag	gtatctgtat	ttaaaatgaa	gaccatgtag	aggattccaa	aacaacacaa	41760
aaacttgagg	acagcacagc	agaaccagtc	tgggtgagtt	agggtttctg	caaaagcagt	41820
gaagcactgc	tacctggcta	tttgctagat	aattctggct	gactagaaag	tcatcagctt	41880
atcagggtaa	gtatggctcc	caggattcgc	aaaagaagca	aaatggtgac	ttttttctga	41940
agggacttat	agcaccttgc	cttggatgca	atctcatcct	tcctcagggc	ccatcccatc	42000
tctcccaccc	ccacactgta	ccctcatcct	accacagccg	tcccaggggtg	cctcatgaga	42060
agccctgctc	cagccctctc	cttagcccac	agctgacttc	tagatggagc	ccacaatcag	42120
aaattaacaa	cttcctcaaa	ccagccaaac	tcgtccagcc	ccactccagc	cttaccctgt	42180
gtggtgacca	agcatgtcgt	gctccattgc	ctgtggattt	gacactcaga	tgagaattgg	42240
tcagttgcat	tttgggatgc	tgttttgcca	tgtaggcat	ggaggacgtg	gaattgttaa	42300
gcagcagtga	ttggttggtg	ggtcagcctc	agcatgggtg	tgatacgtgg	cactccaact	42360
agagtatacc	ccagagactg	cctcagccac	ttttcattct	gttcctcaag	cacactacgc	42420
tgactcccat	ctcaaggctt	ttgtacttac	tgttcctgta	ctgttccctc	tgcttggaag	42480
tcctcctcag	atattcccat	gactagttcc	ttctcatctt	ataggtcttg	gctccagtgt	42540
cacctcttca	gagacacctt	ccctgatcat	cctatctaaa	gtagtatccc	tacccatgat	42600
cacccctca	tctcattcca	tatcctatca	gcctgtttta	tgttccttat	agcaagcata	42660
gtctgctatt	accatatattg	ttgatttacc	tgttgattgt	ctgtatcccc	taccagaatg	42720
gaattctgtg	aacacaggga	ctttgcctgt	cctcttgtgc	ccaccactgt	gtctccagca	42780
tttagaacag	actctgggat	ataatagggtg	ctcagtaaat	atgcatccag	tgatcctggg	42840
aggaaagaga	tttaaatccc	aacggtggct	gctgccaaaca	aagtgactgg	gaaaatcatg	42900
catttcaagg	ttagagaact	atggagtaca	gtcttttcag	ctgtaacatg	tttctataat	42960
gcaaagtaat	actcaattgg	tattaccag	ttggtaataa	gaaaattatg	tcattgattc	43020
atatgttact	tttccccag	caaatcaata	atttaaacad	tcaggggcaa	gctttctcac	43080
agctagtaaa	ggaagcttta	agcttggcag	ttccttccct	tgggtgcaagt	agtgtctggc	43140
ttaatggctt	aagaacttgt	gtcttcccta	caagatgagg	ctgtaggagt	agatgaagaa	43200
gtggagaaga	catttgctt	atgtttaaaa	acttcagttg	attgtttaaag	aaagcacaga	43260
tccagagcag	atttttaatt	ttttgacaat	gttatctact	ggagatgaat	gcccctgagg	43320
acctgtgtct	tgagatttaa	gactgtagaa	gttgactttg	atcctgggta	caaatgctag	43380
tggacattta	ctgggtggta	gtgttttagt	tgggaataat	aatattttat	taatactctt	43440
gttacaaagt	taactgtttt	gagtgttatg	acccatcct	atcttccca	cagtctatta	43500
tttttacata	taattttgca	gaatacaagg	tttatcaagt	atcttatatat	cctgttaaaa	43560
caggaaacacc	tgtaaacagc	attatactag	aaacccttat	atctctttca	ctctattaaa	43620
tattttgctg	cctgttttgt	ttgcagtggg	agcatgactt	ggcataaaga	ataaaatatt	43680
aagagggtatt	gtgaataaaa	acacatttta	caattaaagt	gcttacaagg	tcagacaagg	43740
aaagataaaa	taaccaggtt	tcaaaagtgt	tttattgaac	aatacatttg	ttaaaagatg	43800
cagcatcaca	atcagatgct	ttatttcgtt	acaattctgt	ggtctctaaa	tttgggactg	43860
tgtgtgtgag	tattcatgtg	tgtgtatatg	caagaaagga	gaggaagaaa	aatattttta	43920

cacaataaaa	ataatacaaa	aatgttttaa	tccagttgca	gatattgaat	ttttataaaa	43980
atttcaaaaa	ccagtaaaga	taaagaaaac	ttgaacacta	tcaaccaact	tgacccaatt	44040
gacatttata	ttacctttca	cccaacaaca	gcagaataca	tattcttttg	aagtacacat	44100
ggaacattta	ccaagatata	tcatattctg	ggccatagaa	aaagtctcat	taaattttaa	44160
agggttcaag	ccgggtgcag	tggctcatgc	ctgtgatccc	agcacttttg	gaagctgagg	44220
cggatagatc	accagagggtc	agcagtttga	gaccagcctg	gccaacatgg	tgaaaaccca	44280
tctctactaa	aaatacaaaa	attagatggg	tgtggtggca	tgcacctgta	gtcccagcta	44340
cttgggaggc	tgaggcagga	gaacccggga	ggcagagggt	gcagtgagct	gagatcatgc	44400
cactgcactc	cagcctgggt	aacagagcaa	gactctgtct	caaaaaaaaa	aaaaattaaa	44460
ggattcaagt	catataaaact	atgttttctg	acaatgaaat	taaaatggaa	atcaataaca	44520
gaaagatctc	tggaaaaatcc	tgaaatatatt	agaaactaca	tagaacactt	taatccatgg	44580
tcaaaaaaga	aatcaaaaagg	aaaactagaa	aatattgacc	agaattaaaa	tgaaaatata	44640
acctagattt	gttggatgcc	actaaagcag	tattaggggg	aaatctagag	aactaaaccc	44700
catattagaa	aagaagaaat	gtctcaaatac	catgacctca	tcttccacct	tacaaacaga	44760
aaaaaagagc	aaatgagacc	caaagtaagt	agaagaaagg	aaataataaa	gatcagggtta	44820
gaaaaataaaa	taggaaacag	aaaacaatag	gaaaaaaaag	tcagtaaagc	caaaaagctat	44880
gaagataagt	aaaactgatac	aacctctagc	caaaagtatc	agaaaaaaaa	gaaataagat	44940
acaattaccc	aaataaggaa	tgggagagggt	gacatcacta	tagattctgt	agatatgacg	45000
gataaggtaa	tgttgtaaac	aactatggta	gatagcctct	aagatgttct	tcgatgattc	45060
ccacctcctt	gtagtacac	tcctatgaag	tcctctctcc	ttgagtatga	ggtgaactta	45120
ctaacttgct	ttttagttag	atgtcgcttt	tggcattagt	tcacaaaaac	tgtggcttcc	45180
accttagagc	tctctcattg	tcccactaac	tcccactctg	tgggaggcca	gctgttgtgt	45240
tataagctgt	cctgtaaaaga	ggcccccatt	ggcaagggaac	tgatgtttcc	agcctgcagc	45300
cagcaagtac	ctggggcttg	ctaacagcca	tgtcagtga	ctttgaaaca	ggtgacacct	45360
tgactgtatt	gttgtgacac	cttgactgta	ttcttatgtg	aaaacctgag	ccacaggcac	45420
ccaactaagc	tgtgacttag	aaatattacc	agttcaactt	caaactcttc	taaaaaaaact	45480
gaaaataaag	aagtaattcc	caactcattc	tatgagggca	gtattaccct	gattttcaaaa	45540
ttgaatagga	aaaagaagaa	ggagaaggag	aagaaggaga	aggagaagga	agaggaggag	45600
gagaaggaga	aggaggaggga	ggaggaggag	gagaagaagg	agaaggagaa	gaagaagaag	45660
aagagggaaga	ggaagaggag	gaagaagaag	aagaagaagg	gaggaggaaa	gctataggct	45720
aatatgtcct	ataaacatag	attcaaaaatt	ttaaacaaaa	ttttaacaaa	ttgagtatca	45780
ccaaatgtta	aaaagagaat	acatcattgt	gacaacgtga	ggtttatccc	tggaatgtaa	45840
gctttgttta	atatctaaag	attgatcaat	aactcatgac	atttaccac	taaaaaagaa	45900
aactatatga	tcatctcagt	agatacagaa	aaatttttga	caaacttcaa	catcaatttc	45960
tgataaagtc	tcaacaaaca	gcatagaaca	gaacttcctc	cccattgcgc	agcacagctg	46020
ctgtggcaga	ttgtggccag	actgcttctt	taagtgggac	cccgatccat	ccccctcac	46080
tgggcaggac	ctccttgtag	gaatttcagc	aactccagcc	agggttttat	ggacagaact	46140
ctgatctctc	tgggacagag	cccctcaggg	gaagggtggc	cacagtctct	gtggttcagc	46200
caacttagcc	tttcctgcct	gctggctctg	gagagtctgg	gcagtctgga	caaaaagggga	46260
tccccccagt	gcagtgcacc	cagtccccc	aggggcagcc	agactgcttc	ttgaggcagg	46320
tccctgatcc	cattcctcct	gactgggtga	gaactcccaa	agggatcccc	agacacctct	46380
tacaggagtg	tttgggccag	cgtcagtttg	gagcaggcag	ccatctttgc	tgttttgcac	46440
cctttgctgg	tgatagtgat	acctccaggt	gcagaaggga	cccagggtgat	tagggctctgg	46500
ggtggaccac	tagcaaacca	cagcagccct	gcagaagagg	agcctgactg	ttaaaagaaa	46560
aacaaagcag	caacaacaac	ataaacaaaa	aagatcccca	aaaaaaccca	ttgaaaggtc	46620
agcaacctca	aagactgaag	gtagataagc	ccacaaagat	aagaaagaat	caatgcaaaa	46680
atgctgaaaa	ctcaaaaagc	cagagtgcct	cttctccaaa	tgattgtaat	acctctccag	46740
caagggcaca	gaactgggct	gagactgaga	tggctgaatt	gacagaagta	gccttcagaa	46800
tgagggtaat	aacgaacttt	gctgagctaa	aggaacatgt	tctaacccaa	tgcaaagaag	46860
ctaagaatca	tgataaaaca	ttacaggagc	tgataaccag	aatagccagt	ttagagagga	46920

acataaaaaca	cctaattggag	ctgagaatca	caacgtgaga	acgtcacaaat	ccaatcacta	46980
gtgtctatag	ctgagtagac	caagcagcag	aaagaatctc	agagcttgaa	aactgtcttt	47040
ctgaaaataag	acaggcagac	aagaatagag	aaaaaagaat	gaaaacaaac	aaaacctcca	47100
agaaaatatgg	gattacgtaa	aaagaccaaa	cctacaactg	attggagtac	ctgaaaagaga	47160
tgggggagaat	ggaaccaaata	tggaaaacat	acttcataat	gtcatccagg	agaacctcgc	47220
caatctagca	agacaggcca	acattcaaata	tcaggaaatg	tggagaaccc	cagtaagata	47280
ctccacaaga	agatcaaccc	caaaacacat	aatcatcaga	ttacccaagg	tcaaaatgaa	47340
agaaaaaatg	ttaagggcag	ccagagagaa	aggccaggct	atctacaaag	ggaagcccat	47400
cagactaaca	gtggacctct	cagcagaaat	cctagaagcc	aaagaaactg	gaggccaata	47460
ttcaacaatt	tttttatatt	ttgttttttt	gagactgagt	ctcgtctgt	cacctaggct	47520
ggagtgcagt	ggcgcgatct	cagctcactg	caagctccgc	ctcccgggtt	cacgccattc	47580
tcctgcctca	gcctcccga	tagctgggac	tacaggcgcc	cgccaccgcg	cccagctaata	47640
tttttgtatt	tttagtagag	acgggggttt	actgtgttag	ctaggatggg	ctcgatctcc	47700
tgacctcgtg	atctgcccac	ctcggcctcc	caaagtgtctg	ggattacagg	cgtgagccac	47760
tgcgcccggc	ctcaacattc	ttaaagaaaa	gaattttcaa	cccagaattt	catatcaggc	47820
caaattaagc	ttcataagt	aagaagaaat	aagatccttt	tcagacaagc	aaatgctgag	47880
ggaattgtta	caaccaggac	tgccctgcaa	gtgctcctgc	aggaagcact	aaatatggaa	47940
agaaaaaact	taccagccac	cacaaaaaca	cactgaagta	cacagaccag	tgacactatg	48000
aaggaaccac	ataagcaagt	tggcaaaaata	aacagctagc	gtcatgatga	caggatcaaaa	48060
ttcacacata	acaacactaa	ccttaaatagt	aaatgggcta	aatgccccca	ttaaaagaca	48120
gagaatggca	agctggccaa	agagcaaaga	cccgtcagca	tcagcaaaca	cccagatgct	48180
gtcttccaga	gacctatctc	aagtgcagag	acacacatag	gttcaaaaata	aaggaatgga	48240
ggaaaaattta	ccaagcaaac	ggaaaaacaga	aaaaagcaag	ggttgcagtc	ctagtttctg	48300
acaaaaacaga	ctttaaacca	acaaagataa	aatagacaag	ggcattccat	aatggtaaaaa	48360
ggctcaattc	aacaagtagc	gctaagtatc	ctaaatacat	atgcacctaa	tatgggaaca	48420
accagactca	taaagcaagt	tcttagagcc	ctacaaagag	acttagactc	ccacacaata	48480
atagtgaag	actttaacac	tccactgaca	atattagaca	gatcattgag	acagaaaatt	48540
aacaaagata	ttcaggacct	gaactaaact	ctagattgaa	tggacctgat	agttatctac	48600
agaactctcc	acccaaaaac	aacagaatat	acattctttt	catagccaca	tggcactcta	48660
aaattgatca	tataatcaga	agtaaaacac	tcctcagcaa	atgcaaaaaga	actgaaatca	48720
taacaaacag	tctctccaac	cacagcacaa	tcaaattaga	actcaagaat	aagaaattca	48780
ctcaaaaacca	tacaactaca	tggaaatgaa	caacctgctc	ctgaatgact	cctgggtgaa	48840
taatgaaatt	aaggcagaaa	tcaagaagtt	ccttgaaaact	agtgaacaaca	aagagacagt	48900
gtaccagaat	ctctgggaca	cagcgaaaagc	tgtgttgaga	gaaattttata	gcactaaatg	48960
cccacatcaa	aaagctagaa	agatctcaaa	tcaacaacct	aacatcacaa	ctaaaaaaac	49020
tagacaacca	agagcaaaaca	aatcccaaag	ctagcagaag	acaagaaata	accaagattg	49080
gagtggaaact	gaaggagata	gagacacaaa	aaaaaaatttc	aaaaaaacca	caaatccagg	49140
agctgatttt	ttttgaaaaa	aaaaaaagtta	ataaaaataga	ctgttaccta	aactaataaaa	49200
gaagaaaagag	aagaatcaaaa	tagacacaat	gacaaatgat	agggggggata	tcaccactga	49260
cctcacagat	acaaacaacc	atcagagaat	gctataaaca	cctctatgca	cataaactag	49320
aaaatctaga	aggaatgggt	aaattcctgg	gcacaaacac	ttgcccaga	ctgaaccagg	49380
aagaaattga	atccctgaat	agaccaataa	tgagttctga	aattcaggca	gtaacaaata	49440
gcctagcaac	caaaaaaagc	ccaggaacag	acgaatttac	agctaaattc	taccagaggt	49500
acaaagagga	gctggtacca	tttcttctga	cactatttca	aacaattgaa	aaggaggggac	49560
tcctccctaa	ctcattctat	gagaccaaca	tcattcctgat	acaaaaacct	ggcagagaca	49620
caataaaaaa	acaaaacctc	ggacaaatat	ccctgatgaa	catcaataca	aaaatcctca	49680
ataaaaatact	ggcaaaccaa	atccagcagc	acatcaaaaa	gcttatccac	cacgatcaag	49740
ttgacttcat	ccctgagatt	caagggttgg	tcaacatatg	caaatcaata	aacgtaactc	49800
atcacataaa	ccacatgatt	atctcgatag	acacagaaaa	ggcctttgat	aaagttcaac	49860
atctcttcaa	taaactctca	ataaactaag	tattgaggaa	tatacctaaa	aataacaaga	49920

accatctatg	acaaacccac	agccagtatc	atactaagta	ggcaaaagct	ggaagcattc	49980
cccctgaaaa	ctggcacaa	acaaggatgg	cgtctctcac	cactttttatt	caacctagta	50040
ttggaagttc	tggccagggc	aatcaggcaa	gagaaaagaa	taaagtgtat	ctaaatagga	50100
agagaagaag	tcaaactgtc	tttgtttgca	gatgacatga	tcctatgtct	agaaaacccc	50160
atcgtctcag	cccaaaacct	tcttaagctg	ataagcaact	tcagcaaagt	ctcaggatac	50220
aaaatcaatg	tgcaaaaatt	gctaacattc	ctataaacca	acaacaggca	agcagagagc	50280
caaatcatga	atgaactccc	attcacagtt	gctacaaaga	ataaaaatacc	taggaataca	50340
gctaacaagg	gaagtgcagg	gcctcttcaa	ggagaactgc	aaaccactgc	tcaaggaaat	50400
cagagaggac	acaagcaaat	ggaaaaacat	ttcatgctca	tggataggta	gaatcaatat	50460
tgtgaaaatg	gccatatggc	ccaaagaaaat	ttatagattg	aatgctattc	ctattaaact	50520
accattgaca	ttcttcacag	aattagaaaa	aactattata	aaattcatat	ggaacccaaaa	50580
aacagcccca	atagcccca	tatctttttg	cttaggattc	taagcaaaaa	gaataaagct	50640
ggaggcatca	tgctacctga	catcagactg	tagtacaaga	ctacggtaaa	caaaacctca	50700
tggtactggt	acaaaaacag	atacatagac	caatggaaca	gaatagagaa	ctcagaaata	50760
agaccacaca	cctacaaaca	tctgatattc	aacaaatctg	acaaaaatga	gcaatggggga	50820
aaggactccc	tatttaataa	atgggtgctgc	aaaaactggc	tagccatatg	tagaaaattg	50880
aaagtggacc	ccttccttac	accgtataca	aaaattaact	caagatggat	taaagactta	50940
aatgtaaaa	ccaaaactgt	aaaatcccta	gacgaaaatc	taggcaatac	cattcaggac	51000
atagacattt	catgacgaaa	atgccaaaag	caattgcaac	aaaacccaaa	attggcaaat	51060
gggggtcta	ttaaagagctt	ctgcacagca	aaagaaactg	tcatcagagt	gaacagacaa	51120
cctgcagaat	gggagaaaa	ttttgcaatc	tatccatctg	acaaagggtat	aatatccaga	51180
atctacaagg	aacttcaaca	aattttacaag	aaaaaaaata	ccccattaaa	aagtgggcaa	51240
agggcatgaa	cagtcacttc	tcaaaaagaag	acatacatgc	agccagcaaa	catgaaaaaa	51300
agctcaacat	cacagatcat	aagagaaaatg	caaatcaaaa	ccacaataag	aggtgggtgg	51360
gtcacttgag	gtcaggagtt	caagactaga	tctagaatca	gaaataccat	ttgaccagc	51420
agtcttatta	cgggggtatat	accaggaat	ataaatcatt	ctattataaa	gatacatgca	51480
tgcataactt	cactgcagga	ctattcacaa	taacagagac	atggaatgaa	cccaaagtcc	51540
catcaatgat	agactggata	aagaaaatgt	ggtacatata	taccgtggaa	tactatgcag	51600
ccataaaaa	gaataagatc	atgtcctttg	cagggaactg	gatggagcaa	actaatgcag	51660
gaacagaaaa	ccaaacactg	catgttctca	cttataagtg	ggagctgaac	tatgagaaca	51720
catagacaca	tatgggggaga	acaacacaca	ctggggcctg	ttgggggaagg	ttgggggagg	51780
gagagcataa	ggaagaacaa	ctaattggatg	ctgggcttaa	tacctaggtg	atgggttgat	51840
ctgtgcagca	aaccacctgg	cacatgttta	cctatgtaac	aaacctgcac	aggtaccctg	51900
gaacttaaaa	gttaaaaaaa	ttttaaaaaag	aagagaactt	cctcaacctg	ataatgtgca	51960
tctataaaaa	aacctatacc	taacatcatt	tttaattggt	aaagaccgaa	tcctttccca	52020
ttaggatcag	aaagaagaca	agatatccac	tctcacgact	tctattcaac	actggagggtt	52080
ttagccagtg	caataaggta	agaaaaataa	acaaaagtca	cctacttttt	aaaaaaaagta	52140
agaatgaaaa	tatttttacc	ctcagatgac	ctgatcacct	atgtagaaaa	tccagtgaaa	52200
catttaaaa	gaagaaacag	ggcaggcatg	gtagctcacc	cacccaaagt	gtaatcccac	52260
cactttggga	agctgagaca	gaaggatcac	ttgaggtcag	gagttcaaaa	ccagcctggg	52320
cacagagtga	gaccttgtct	ctataaaaaa	ttaaaaaatt	agctgggcat	ggtgggtgcat	52380
agcttttagac	ccaaacactt	agaaggctga	ggtgggagga	ttgcttgaat	ccaggagctt	52440
gaggctacag	tgagctaaga	ttgtgccact	gcactccaaa	ctgggtgaca	gagccagacc	52500
ctatctctaa	acaaaacaaa	actactagaa	ctaatacatg	agtttagcaa	ggttgcagga	52560
tacaagatca	atgtacaaca	ctcaactgta	tttccatata	ctaacaacaa	ataattgaaa	52620
aagtgaaatt	aaaagcaata	ccatttaca	cagcatcaaa	tagatgaaat	atttagggat	52680
aacctaaaca	acaatgtgaa	atgcctgtac	actgaaaact	ttaaaacatt	gctaagagaa	52740
tttttaaaaa	tctaaataaa	tggagataca	ttgtgttgct	gggttgggaag	actcaatatt	52800
gtttaaatgt	cagttcttcc	ctagttgatt	tatagactta	atccaataac	agtcacattt	52860
cctttttttg	tataaattga	caaactgatt	ataaaattca	tgtgaaaata	tgaaggacct	52920

agaatagaca	aaacaacttt	taaaaagaat	gaagttggaa	gactaggacc	acctgatttc	52980
aagacatatt	acaaaaactaa	cagtaatgca	gacagtttgg	tactgggcaa	ggatagacat	53040
attcatcaac	agaacagaat	agactacaga	aataaatcca	catgtatatg	gtcaactgat	53100
tttcaacaaa	ggtacaaaagg	caattcagtg	gagaagggac	agtcttttca	gcaaatactg	53160
ctggaacaaa	tgtatatcca	tatgcaaaaa	tgaactttga	tctagctaca	tgttacacca	53220
tattaagaaa	ttaactcaaa	atggatcaca	gacctattta	taaaacctaa	acctgtaaag	53280
tttataaaaag	aaaacatata	agaaaaattt	tgtgaccttg	gaataagcaa	atatttcctta	53340
ggtacaatac	caaaagcatg	gtccataaaa	gaaaacactg	atgaattaga	ctttttaatc	53400
attaagaaca	tcttctcttt	caaagagaat	cttaagagaa	tgagaaaaag	ccacagacta	53460
gaataaaaata	tttgaaatca	tatatctggc	tgggtgtggt	ggctcacgcc	tgtaatccca	53520
gcacttttagg	aggttgaggt	gggtggatca	cctgagggtca	ggagttcaag	accagcctgg	53580
ccaacatggt	gaaaccccgt	ctctactaaa	aatacaaaaa	aaaatgagcc	atgcgtgggtg	53640
gaggcacctg	taatcgtagc	tactcaggag	gctgaggcag	gagaattgct	tgaactcagg	53700
aagcagaggt	tgcagtgagc	caagattgct	ccattgcact	ccagcctggg	tgacaacagt	53760
gaaactccat	ctcaaaaaaa	aaagaaaaaa	aaaaactcta	aaaacgcaat	acagtgggtgc	53820
tcccttatct	gtggttttgc	tttccatggt	ttcagttacc	tgtggtcaac	catggcctga	53880
aaatattaaa	tggaatattc	cagaaaatac	caattcatag	gttttaaaatt	gtacaccttt	53940
ctgaggagca	tgggtgaaatc	tcatgctggt	ccactctggc	ccacccagga	cacaaatact	54000
ccttttgtcc	aacatatcca	tgccatatac	actacctgcc	tgttagtctc	ttagtagcca	54060
tcttgattat	cagattgcct	gtcatggtat	tgaagtgcct	tgtgttcaag	taacccttat	54120
tttgcggtgg	ccccaaagtt	caagagtaat	gatgctgaca	tattgttata	atttggtatg	54180
gtttggctct	gtgtccccac	ccaaatctca	tctcaaattg	taatcctcac	atgtcaaggg	54240
agggacctgg	tggaagggtga	ttgggtgatg	ggggcagttt	ccctcatgct	gttctcatga	54300
tagtgaggga	gttctcacaa	gatctgggtg	tttgttaaagt	gtctggccct	ttcccctgca	54360
cactctctct	ctcctgccac	cttgtgaaaag	tgtgtcttgc	ttcccctttg	cctttcgcca	54420
ttattgtaag	tttcctgagg	cctcccccagc	catgcagaac	tgtgagtcaa	ttaaacctgt	54480
ttttctttat	aaattattca	gtctcatgta	gtacctttat	agcagtgtga	gaacagacta	54540
atacataatt	gttttattat	tagttatggt	tgccaatccc	ttactgtgcc	taatttataa	54600
attaaacttt	attataggta	tatatgtata	agaaaaatca	gtatatatgg	ggctcagtac	54660
tatccatggt	ttcaggcatc	cactgggggt	cttggaatgt	atccccctc	agataagggg	54720
gactattgta	ataagaaaac	aattcaatat	tttaaaatgg	gtaaaagatt	tcaacagata	54780
cttcacaaaa	gaagatatat	ggatgacaaa	taagcatatg	aaaagatgtc	caataccatt	54840
actcattaag	gaaatgcaaa	ttaaaaactac	attaaaaatac	cactacacac	tcattagaat	54900
ggctaaaatt	aaaaagactg	agtaaattccc	atgttggcac	acactgctga	ggagaacata	54960
atttggtcca	accacttcac	tttgggaaggc	agtctggggag	attatttatt	tattttattcc	55020
attcctggct	gatttttttt	atagaaatag	agtttcacta	tgttcctcag	gttgggtctca	55080
aactcctggg	ctgaagcaat	ctgcctgtct	tggcctctca	aagtgctagc	attgcaggca	55140
tgagccaccg	cggccggcca	tggcagtttc	tttaaaaagtt	cagcatatac	ctatgatgtg	55200
atctagctat	gccactctta	ggtttttacc	caagagaaaat	gaaactgcat	gtccatacaa	55260
agacttgtag	gccaatgttc	atagcaactt	tctttgtaat	agccaaaaaac	tggaaatagc	55320
acaaataccc	attagcaagt	gaatggctaa	acaaattgta	gtatatccat	acaatagaat	55380
cctgctcagc	aatttataaac	atgaattatt	gatacttggga	agaacaaaaga	tgaatctcaa	55440
aataattaca	ctgaatgaaa	gaagccaggc	aaaatgacta	catgctatgt	aaatccaatt	55500
ccacaaaagtt	ctataaaaact	aaactaatct	attgttaact	aatctgtagt	gacagaagca	55560
gatcagtcgt	tgcctgtgga	tgagtaggggt	tggcaaaagag	tcaggaaagg	aggatgacaa	55620
aggggcatgt	ggaagctttt	tgggggtgatg	gatatgttta	taccttgatt	atgggtatttc	55680
acagggtgcat	acatatatca	aaacttatca	aatcatgtac	tttaaatatg	tatgtcatgc	55740
acttttaaatt	gtgtgccagt	tataaccttaa	taaagctagt	aaaactatta	tacattctta	55800
tttttctgag	caggttctca	tggagaacaa	aatacaccat	acctagtgtt	cgttttcttt	55860
tttttaatta	attaattaat	tgatttttat	tagtgttcat	ttcaaaggac	cttgctaggt	55920

gtcctaaaaac	ctatctgatg	actttgcctg	atactgatga	ttttattatg	attttaaaaa	55980
atattttttag	tagagacggg	ttttcgccat	gttgggcagg	ctgggtctcga	actcctgacc	56040
tcaagtgatc	ttcccacctc	agcctcccaa	agtgtctggga	ttacaggagt	gagccaccat	56100
gctcagccaa	tactaataat	tgatatggga	gaatgttttg	tttttcctag	attcctcatg	56160
cagcttaata	aggaccataa	taacttaact	cttagaacia	aggagatatt	tcaggcccaa	56220
agggaagcac	atctggtgcc	tcctctgaaa	ttcacaaaat	aagggcgttg	ttgtaagttc	56280
tgcatgaagc	taaacttggt	caaagtttat	aagttcaaaa	gtaaataaaa	ggactatctt	56340
ttattctgag	accttatctt	aatatcactt	gtgataatga	ttatagatcg	tagctgttat	56400
ttacatatgt	ctacttctca	gggttaaagg	tggcatttcc	acagcagtat	ctgggatttt	56460
attgcctatg	aaatcaagaa	ggtagagtaa	caagaattgt	gtagggtagt	agcttttacc	56520
ttacatgcaa	gttaacaagt	tagcctggta	atgtttgatg	gatgttagct	aaagacatga	56580
gactcttggg	tcagagaaaa	aacacttgat	tactcatggc	aaaagcagta	atcagaactt	56640
aatattgagc	ttttactggg	ttccatgccc	cacgtgccat	gaggggaatg	aaagtcccat	56700
aatggatgtt	tatggatgtt	tgcacacaca	cagtgggcta	ccatttaagg	agaggaatcc	56760
tgagcctggg	aagtccactg	cttttatagt	gagttgtaac	aagcctgttc	tttgtctagg	56820
ggaagatgtt	acctgatccc	tcaaggttgc	tcattacaaa	cacaaccctg	agaaatggcc	56880
tggataaaga	gcagtcagag	ccttgcttct	tggcatacct	gacaagaatg	cacagagctg	56940
ctcagggccc	ctggtaggtt	tgccctccac	actaggggact	gtgcatggag	gcacctgcca	57000
cttctgcctg	catcctgggc	tagcgtgaca	gtcagagaca	cagacaccag	tgaatggctg	57060
aaatatgttc	ctgtgggtctt	ctcactccac	tacaacttcc	ttcccagtta	gggtccccc	57120
gcaggccctt	tgagctgcac	ctggcagagt	tgagttacat	actttcatgt	accctgctga	57180
gtttgtcttc	tttgccctca	gaaattccaa	catactacat	gagtcatggt	tcttggtatt	57240
attgttatac	ccttctcaga	atctctctga	ctcccagat	ttcacatcgt	tttccatttt	57300
tgtaaaaagg	ctcaaggtct	ccatgctatg	gagaagagtt	atactcatct	tttctttatt	57360
cttgcatctc	tgaaaagcctt	acattagcat	ccaagtgagg	tttctctatc	aatatcaaca	57420
gtaaatatatt	agtgaactaa	acacctaacta	tgctcagcat	aatgtataaa	atatgattta	57480
agggttcctg	ggagcttcaa	atgcatcacc	tgggtgcaaa	aacatgagga	aaccaaaaag	57540
tacattctgg	tgggtttttt	aatagcattt	aaaaaataat	gccttgctgc	agggatagga	57600
gctgtgctgc	tttcatatca	attctgttct	ctttgtgggt	tgagaaactg	gagctgaagg	57660
gaaggtgatt	gggaataaaa	gaaagcagta	ctgatttttc	tggctaaaag	aaagtttgca	57720
cactgtcatg	cactattaga	atttctggga	tcttctttat	aatccccggt	ttgatgggta	57780
ttggccaaga	aggaagaagg	ggagctagtc	aggcctagaa	taattaccag	ccatacagca	57840
taatctgggg	ctagtgttgc	agggtcaagg	actgaatgag	gcagagtgc	caggagcaga	57900
tcctgcaagg	ccttgacca	aaaggaagct	aagggtcata	gaaggaaaat	attgtattga	57960
tcatcaattc	tagaggattg	ggcatagagc	caaaaatagg	agggtgatca	tgagatcaaa	58020
agccattggt	ggccaagcgc	gatggctcac	acctataatc	ccagcacttt	gggaggccaa	58080
ggcgagcaga	tcacttgagg	ccaggagttc	aagaccagcc	tggccaacat	ggcaaaaacc	58140
tgtctctacc	aaaaatataa	aaattagctg	gccatgggtg	cacatgcatg	taatcccagt	58200
actcaggagg	ctgaggcagg	agaatcactt	gaacctggga	ggcggagggt	gcagtgcagg	58260
gagatcatgc	cactgtactc	caacctgagt	gacagagtga	gacctgtct	caaaaaaaaa	58320
aaaagccact	ggtatgtagg	aatggtgcag	gaaaaaagtg	caaagcagaa	atgaggtgaa	58380
aatatataga	actatgaaca	ggaatgaggt	ctttcttgag	tactggctgc	cagatggagt	58440
acgagtgggt	cagcagaagt	taatgaggta	gggttaaaagt	taatgcatag	gaatagtttc	58500
tgacagctct	tctgatgctg	tccatcctgc	agtcaggcct	atatcaatat	cagccctaga	58560
tgaagtgggt	acaccttcct	ttgtgcacct	actgttacaa	atagtcatgg	ctgtcattac	58620
tccatcacag	ctgatggcac	ttactagggt	gagagaagcg	gggctctgtc	tcccttacca	58680
tacagtgagc	tccttgagtt	tattcatctt	tgtgtttcca	ttgtgcctgg	actgcgcact	58740
gtttcccgaa	tgaacaaatt	aactggccta	gaatatatct	atgatgataa	aggtcagttc	58800
ttagattatt	gttttcattc	tttaactgtt	taagataatg	tcaactctat	gtaaaaattg	58860
tgccctaggt	aagcagttgc	tttttattat	tattctctct	ctttcttgat	ggttactccc	58920

tctaggagcc	caaagcatga	cgtccagagc	cccagattcc	cagccatcct	ggttgtgacc	58980
cttcattctc	aactttcatt	tcaatcttag	tatgccatga	aaagccgtct	gcttttgaag	59040
cactatcagc	cacagagttc	tgtactttta	gaaggccttc	tcatagtcag	attctcacaa	59100
atatacctat	tgtttcaata	aatattttatt	gaattggcca	gcaatgtttc	agatactgtt	59160
ctaggtgctg	gggttacatc	aaagaacaag	gtaggcaaaa	tcactaccct	cgtggactttt	59220
gctttcctgg	agggggaata	ggcaggacat	aaaataaatt	gtaaactatt	cgggatgtta	59280
gtgatcagag	aagaaaagta	aaacagggac	agtgaatggg	gactgtcaga	gtggtagttg	59340
ctattcaaga	tcatttgacc	aagggaaggcc	tcgctgagga	agtaacattt	gagaatagac	59400
ttgaaaggca	taaaaaaaca	agtcattagg	taaaaacat	tccaggcaga	aggaacaaat	59460
aatgcaaagg	gccagggatg	gaaacatctg	tagtgttcag	gggaaagcaa	ggaggccagt	59520
gtgactggag	cagagtagat	taggcaaaga	acaggagtag	ataagatcag	caaggtaatg	59580
ggtgccacat	cacgtaaggt	cacacaggac	agtgtaatga	ctttggctttt	tactctgtta	59640
tggggagcca	ttgcaggatt	gggagctgtg	aaatggcaca	ccttgcttac	atctaatagg	59700
aaatctgctg	ctgcattgag	aatagacctt	taaattttta	aagagatatc	tatggcatta	59760
ccttaataaa	agtcatgctc	cttggagtgc	ctcaattcat	gtacattaat	gggtaaaagt	59820
ggaattcaag	aaaccttgga	aatgtatggg	ggagtcctct	ttgtttctcc	tctgctcatg	59880
tctggtgggt	gagcactaac	gccatctctt	cctaagcgag	ggctccctag	cagagcaccg	59940
tgcacatgga	ttcttcctat	gctctgcatt	ctttgccaca	gggatgccat	aatttggcaa	60000
tatgcagtag	agactgcctc	aagaggcagt	tcccttcttt	atctaagcca	agagaaaattt	60060
ggttctgcaa	gtaacaagta	attactgctg	atgacattcc	ttgtacacac	ttgaagagag	60120
cgtggaccgc	aaaataaaaa	ctggagcaaa	aagggactat	cagataatcc	agattaaaga	60180
ttggaaaagg	ggaaaacaca	ttattttacac	atacaacact	tgattttatg	agtagagaac	60240
acaacttatg	tgtatgtacg	ttgtacactt	gattatatgt	gtagagaatt	caaaaagtgtt	60300
cagataaaatt	atttagactt	aaaaagagac	aaataatttt	gggaagggtga	tagtggcagt	60360
agtagcatag	gttttagata	ttcctgaatc	tccacataaa	aacagcaact	agatagaaga	60420
cacaaaactc	atgggcaaca	aaataaaaatc	catttacaag	aaaattagat	gatgagggtat	60480
tcttatgatc	ctcaaaaatat	aaccggttgg	ggaaagacca	cccacagcca	caagagctgt	60540
gttatttgtg	tctacgtagg	agaaataaga	gagaggcaat	ggacatctga	cagacctgag	60600
aacagagaac	tcaaaaatagc	caaagggtat	tacttggaag	gcatgggtgg	ggcaatttga	60660
gatcagcagc	tgaacttaaa	taaggggtga	gtgcaaggga	tccacctctg	gaaggcttaa	60720
aaggaatgca	gcagtctagc	tgctgtgaaa	tttctagact	gatctggtgg	ggctcccttc	60780
caagatagga	tctcatgaag	aagagaaaact	gtggggagta	ttgagctcaa	aattgagcag	60840
aatgaagaca	atacagatga	agaagggaaga	ggaatatcca	aatgaaagca	tatcagagtc	60900
aggaaatctc	cttggaaagc	aagccagagt	attttttaac	accatattaa	tacaatatag	60960
caaaggaacc	atgtgaagtt	agaaaagcta	tctgaaccaa	atgtcttttt	aaaatcacat	61020
aaaaactaaa	ttcacacca	caaaaatcta	cagcaggaaa	atatcaaggc	caaatccaac	61080
acaacattat	taacctaaaga	aagagaataa	ggggaatatc	tgcagacaat	gaaagcatgc	61140
caaaaagata	tgattgaaaa	tagattgaga	ccctaattga	ctatttcagg	tgcatcctaa	61200
gacattgaag	aagtcataata	agacatagaa	aagcaacata	aatcaaatga	ggaagctcag	61260
aaatgagaca	attcaagaaa	aaattagaaa	taaacatcta	aaaatgaagg	ctgatctaga	61320
aggaaactcaa	caacaaatga	atacaacata	attctttaac	ataaataaaa	ggtagaaagg	61380
aagaaaattt	tttaaatgga	atgaaaaaag	atttttaaaa	agttttgaaa	gaaaacaaca	61440
aatattgaaa	ataggcaaaa	aagatcaatt	tatcaataat	aagagtccct	gaaaaagaaa	61500
ataaaaagcaa	ggaaaagaaa	caagtataaa	acaaacaaaa	ccctctaatt	taagaaaact	61560
gaaaatttga	aactacgtat	ggaaaagaaca	cactgtgtac	ttgagtatat	cataatgact	61620
aagttcagca	gagttgttgg	atgaaaaggtc	tatgtgtaaa	caccatttta	tgtaacattt	61680
aaacaaaattt	tttagatcat	ttaaaaacagc	ataaaaaata	taaaaatccta	tttgtgacgg	61740
ctttctagtg	tgtcaacttg	actaggccaa	actacatttc	ctagaattct	ctttcttgta	61800
tgttttctga	ccacaaaagga	gattctttct	agatttggaa	agctaaggga	agttccagcc	61860
atcttatagc	acacacattg	ttgcgaacct	gctgatccac	ctactgggggt	gaagcagagc	61920

tggacatgca	attgctctac	cttccccctgg	accctccatt	aacttgtcag	gccccctgggc	61980
caggtgtgtg	tgattagctc	cacgacaaag	ggccacagct	tctgcaggat	atactcatta	62040
cctagatcag	aggcaacaat	aactgacatg	ggtttcagtc	tcttcacagg	ggtgtgagca	62100
tgctctaatac	tcttgatttt	ccctcctgac	tgctgcctt	gtagacttca	agctctagca	62160
tcagatgtgg	agacaacagc	cttacagaga	ctgcttaaag	agctcccaaa	attgcataac	62220
tcaactgcct	gtgacacatc	catatatctc	tttttgaatc	ctggctaata	cagtaggaaa	62280
agatatgcat	tatctctata	tagaaaatca	taaaatattt	tgagaggaat	taaattctat	62340
attcattgat	cagaagactt	aatattgtaa	aaatatcatt	tctccccaga	ttgatataata	62400
ggttcaatgc	aatagaaaatt	ccaacaactt	gcatatgtgt	gtgtgaaact	tgacaagcta	62460
aatctcaaat	ttatacggaa	attcaaaggg	ctaaaaatag	gctggaaaaga	aaaggacaag	62520
ctgggcgcgg	tggctcacgc	ctgtaatccc	agcacttttg	gaggccaagg	cgggcagatc	62580
acatgaggtc	gggagttcga	gaccagcctg	gccaacatgg	cgaaacaccc	tctctactaa	62640
aaatacaaaa	atttgccggg	catggtgggg	ggcgcttgta	atcctagcta	cttaggaggc	62700
tgaggcagga	gaatcacttg	aaccagggag	gcagaggttg	cagtaagcca	agatggcacc	62760
attgcactcc	agcctggatg	ataagagtga	aactctgtct	aaaaaaaaaa	aaaaaaaaata	62820
ggacaaaagt	agaggatttc	ttcttctgga	tatcaatatt	tactataaag	ctagtaatta	62880
aaacctgcta	aatatgggat	tggagcaagg	agagacaaat	agatcaatag	aacagaatag	62940
agagaatcca	gaaaagagtca	aggatatata	gatgcttttc	aataaatggg	gcagggtcag	63000
ttggctatcc	acatggagaa	aaaagtgcaa	cctgaatcca	cctcaacaaa	attacttcca	63060
ggtgaactac	tgaaatggaa	aacaaaaaaaa	cttcaggaaa	gtcatagaag	agagtatctt	63120
tatgaactag	ggacatgaaa	atatgttaaa	cagaacacaa	caagtattat	tcataaggga	63180
aaatattgtt	aaattgctct	acattcgttc	aggagcagcc	tgggcaacat	ggcaaaatgc	63240
cgtctctgct	aaaaatacaa	aaatacagcc	aggcatcgctg	gtgcatgcct	gtggtcccag	63300
ctactctaga	ggctgagggtg	ggaggatcac	tggagcctgg	gaggcagagg	tcacagtgag	63360
ctgagatcac	gccattgcac	tccagcctgg	gtgggtgaca	gaggaagacc	ctgtctaaat	63420
tgaaaaaaaaa	aaaaaagctc	tacattagaa	attgagaact	tctgttcatt	aaggacatca	63480
ctaaggaaaaa	aggcaagcca	tagactggga	caatgtattc	acaatgcata	tgtcatcaaa	63540
gaatctttat	tcagaataaa	aaagtgggaa	tctatatgaa	aacatagaaa	atccactttt	63600
ttaaaaatgt	gcagtcttat	gtttatcaca	gcactgttca	cagtagtaaa	gtcatagaat	63660
ccatctaagt	gtccatcaac	agatgattgg	attaaaaatgt	ggtatatattt	tgccatggaa	63720
tactatacac	ctataaaaaat	aaatgaaatt	atgtcttttg	cagcaatgtg	gatggaactg	63780
gaagccatta	tgcttactga	aatgactcag	aaacagaaaa	tcaaaaacca	catgttctga	63840
ttgataaagt	ggagctaaac	agtgggtata	cacggacata	caaggggcat	aatagacact	63900
ggagactcca	aatgggtggga	ggatggggagt	gggtgaggga	tgaataacca	cctttcaagt	63960
acagttcagg	tgattgggtac	acttaatgcc	cagatttcac	cactgtgtaa	tatatccatg	64020
taacagaact	gcatttgtat	ccctaaatcc	ataaaaaataa	aaaaatttaa	tttcaaaaaa	64080
taaaaaatgt	gcaaaaagata	tgaacaggta	catcacaaaa	gaacaaatcc	agatagccaa	64140
taaacaaatg	aaaaaagggt	caacttcatt	agtcacgaga	gaaatgcaaa	ttaaagccac	64200
agtgtgataa	tactacatac	tcacttgaat	gtctgcaatt	aaaaaaaaaga	ctgacaaaac	64260
caagtgttga	gaaggatgta	gaacaactgg	aattctcatg	catagtgtgg	aagtgtgcat	64320
tgatacaatc	acttttgaaa	actgttttagc	agtatctact	aaacttgaac	atattcatac	64380
cctgtgtcct	agcaattcca	gcaaaaattgc	atacatatat	tcaccaaaat	aatgcactag	64440
aatattcata	gcaacactat	ttgtaatagg	cccaaattgt	aaactgtttg	aatgtccatc	64500
aacagttata	atatctattt	ataatgtcca	atatatcaca	gtatactcca	tgccacaata	64560
tagatggctc	tcacaaaaat	aataaatagt	gttgagcaaa	ggaagccaga	aaaagagatt	64620
ataccctatg	ttactctttt	tacatgatgc	acaaaaacag	gcagagctaa	tctaagatgt	64680
tagaagttag	attgggtggg	tggagaaaaag	ggagaataga	gcaagaggaa	gacttctgaa	64740
gcactaataa	tatgtttttt	gacttgcacg	ctgggtgccc	aggtgtgtca	gtttttgaaa	64800
attcagtgaa	ttatacatctt	atatatatgc	atttttgttt	atgcatattt	ttcttcagca	64860
aaagtttaaa	aaataatctt	tgggcttcct	gaaaagataa	aaaggaaacg	tttaaaggat	64920

acatgtcaat	tttttagcag	agacaaaatt	tttaaatact	attttctgaa	aaaaaattct	64980
ccctcacagc	tttataattt	ttattaatat	tgaaggatat	aatgaatagt	tttactgtaa	65040
atgcagaagt	aaattttata	agacttgttt	atggcaccat	taggaatagt	ttttaaaaaat	65100
cagaacttgt	gtttatcaaa	agacactatt	aaatgacacc	aaaagcacaa	gtaacaaaag	65160
aaaaatgtgt	ttaatatcat	caaaaattaaa	aatttctggc	caggcaccgt	ggctcacgcc	65220
tgtaatccca	gtactttggg	aggccgaggc	aggcagatca	caaggtcagg	agtttgagac	65280
cagcctgacc	aacacggtga	aaccccatct	ctactaaaaa	tacaacaaat	tagccaggca	65340
ttgtggtgcg	cacctgtaat	cccagctact	tgggaggctg	aggcaagaga	atcgctcgaa	65400
cccaggagggt	ggaggttgta	gtgagcgaga	tcttgccact	gcactccagc	ctgggtgaca	65460
gagcaagact	ccacctcaaa	aaaaaaaaaaa	aaaaaaaaaatt	ctgtgcttca	gataacacca	65520
ttaagaaaagt	aaaaaagaacc	tacagaatga	agaaaacggt	ttcaaattat	ataatagacc	65580
tgataagggga	ctcacatcta	gatatataaa	gaatgcttac	aactcaataa	tacaaagaca	65640
aataaaaacaa	tttttaagtgt	ggcaaagaat	ctgaatagaa	gtatctcaaa	aaagatatat	65700
gaatggccag	taggcacatc	attaccctta	agggaaatca	aaatcacaaat	gagttaccac	65760
tttgcacccc	ctaagatggc	tataatataa	aaattaacaa	gtgtttgtga	ggctgtggag	65820
agattagaac	cctcattcac	tcctcctagg	gatgtaaaat	agtgtctgag	ctagggaaat	65880
agtttggcag	tttcccaaaa	tgttaaacat	agggttacca	tatgactcag	tgattaagct	65940
cctaggtata	tactcaagaa	aatcaaaaaca	tatgtccatg	taaaaacttg	tacatgaata	66000
ttgatagcag	cattgtttat	aatatcccta	aaaggaaaca	acccaaacat	gtatcaacta	66060
ttgaatggat	aagtgaatgt	tgttatatcc	atacagtga	atattattca	gcaattaaag	66120
tgacacactg	actcatgcta	ggacatggat	gaaacttgaa	aacatgatgt	taggtgaaag	66180
aagctagtgc	caaaaagatca	catttgattc	catttatatg	aaatgaccaa	aatagacaaa	66240
tctatagggga	cagaaaggag	attcgtgggt	atatgtggct	ggggaaatgc	aaattaaaaac	66300
tactaggaga	tacataccga	tggatatgtat	gcttatcttt	aaattatctt	taaaatttttt	66360
aagataataa	gataaagatg	tgaaaactatg	aaactctcat	ttactcactg	ggagggtata	66420
aactggtaca	accacattag	aaaagaaaatt	ggcgtatctt	ttaagattaa	caacacatat	66480
accttgagag	ccagcaaatc	catttctaaa	ttctactcag	tagaactatg	tgcataattta	66540
tatcaatagg	tgtacaaaaa	tattcatagc	agcattattg	taatcaccca	aatgttcac	66600
agaagtataa	ggaataaata	aattgtggta	tattcctgca	atgggatatt	atatagcagc	66660
tacagttaca	cccagcaaca	tgtataaatc	tcacaaacaa	catcaaataa	aaaagccaac	66720
cacaaagtag	catccactat	gattcccatt	tatgaagttt	aaaaacaggc	ataactcaac	66780
tatagtatta	aaagtcaata	tagtagttca	ccttaaggga	gaagggaag	agtaaaaagt	66840
ataatatgag	gtagaatttt	gaggatattgt	aatgttctct	ttcttgggtt	atagttttct	66900
atatgatgtt	ttctttgtta	caatttactg	agctatacat	ttttaatttg	tacacttaaa	66960
aatacatttc	ctggccaggc	gtgggtggctc	gtgcctgtaa	tcccagcact	ttgggaggct	67020
gaggcaggca	gatcaggaga	ttgagaccat	cctggctaac	acagtgaac	cctgtctcta	67080
ctaaaaatac	acaacaaaaa	ttagccaggc	gtgggtggcgg	gcacctgtag	tcccagctac	67140
tcaggaggct	gaggcaggag	aatggcgtga	acctaggagg	cggagcttgc	agtgagccga	67200
gattgcacca	ctgcacttca	gcctgggtga	cagagcaaga	ttctttcaaa	aaaaaaatat	67260
atatgtgtgt	gtgtgtgtgt	gtgtgtgtgt	gtgtatgtgt	gtgtgtgtgt	gtctgtgtgt	67320
gtgtgtgtgt	attctggccc	aagattatag	tttttttttaa	ggcagtctgt	caggggtcta	67380
caattgtatg	agttataaat	aaggagtgc	aatatcttca	gtgaactcct	gaacatgaaa	67440
accaagggtc	gactgcgaat	accttcttta	catacaacca	gacattatgg	aatgaatgtg	67500
ttccccccaa	attcatatgt	tgaagctcta	actcccagtg	tgtctgtatt	tggagatagg	67560
gtctttgggg	aagtaattaa	agttaaaatta	ggtcatacaa	cctacagaat	tggagaaaat	67620
at ttgcaaac	tgtgcatctg	acaatggtct	aatacccgagc	atctataaga	aacttaaaatt	67680
tacaagaaaa	aactaacaac	cctatgaaaa	agtgggcaga	gttaattttt	tcatgagcaa	67740
tggaaaaaaa	ttaaaaagtc	tgaaagcagg	caaagaacat	gaacagacac	ttttcaaaag	67800
aagacataca	tgcagccaac	aggcatatga	aaaaaagctt	agtatcactg	atcattagag	67860
aaatgcaaat	caaaaccaca	atgagatacc	atctcacacc	aattggaatg	gctactatta	67920

aaaagtcaaa	aaataacatg	ctggcaagat	cgcagagaaa	aatgaacaca	tacactgttg	67980
gtaggagagt	aaattagttc	aacattgtgg	aaagcagtg	ggcgactcct	caaagagcta	68040
aaaacagaac	taccattcac	cagcaattcc	at ttgtgg	gtatacccaa	aggagtataa	68100
atcatttctac	cataaaagacg	caggcacatg	aatgttcatt	gcagcactat	tcacaatagt	68160
aaaggcatgg	aatcaaccta	aatgcccac	aatggcagat	tggataaaga	aaatgtggta	68220
catatacacc	atggaatact	atgcagccat	aaaaaagaat	gagatgatgt	cttttgtttg	68280
aacatggata	gagctagagg	ccattatcct	tagcaaacca	acacaggaac	agaaaaccaa	68340
atactgcatg	ttctcactta	taagtaggaa	ctaaatgatg	agaacacatg	gacacaaaga	68400
gaggaaaaaac	acacactaca	cactacctga	gggtggaaga	tgggaggagg	gagataatta	68460
gaaaaaataa	ctgttaagtc	ctaggcttag	aacctgggtg	acaaagtatt	ctgaacaaca	68520
aacccccga	cacgagttta	cctgtataac	aaacctgcac	atgtacccat	gaacttcaaa	68580
taaaagtctg	tgtgtttttt	aaggcagaag	tcagccccta	ccttgaaaga	actttctaca	68640
tagatggcta	cagtgttact	gagcgttttt	tttttggctc	atcctgaatg	tcattgggaaa	68700
acttttaaac	tgctctggat	caagattagt	gcctgtggta	tttcatttct	cctactcaac	68760
tgttgcagtt	acatgatctt	agaaattcct	tttggcata	tgatgactgt	tatcattcaa	68820
gttacatcaa	gagagacttc	tttctatgag	gagctattaa	gacctctttt	tggacacata	68880
cacaacttca	at ttacatct	aagacaactt	at tttaatga	aattgcttat	ttgtttgctt	68940
tagtccttag	attatatgat	catttgggca	gggactattc	tttgaatatt	tcctggcaca	69000
tttttgtctc	aataaagagg	aaggtgaagg	aagaaagaaa	ggaaaggaag	aaggaggagg	69060
ggaaggcatt	cttgttttct	atatcctaaa	cctataattt	tgtcaaaaaa	gaatattaaa	69120
tttgcctaaa	atgttaacaa	aaaatagggtc	ataatgatgg	ggccctaatt	caacagggct	69180
gggtgcccta	taagagggaag	aggcattgaa	gtttgtctct	cctgcatgca	caaagagact	69240
atgtgaggac	acagcaaaaag	gacagctgtc	tacaaaccag	gaagaggcct	cgccagaaat	69300
cagcccctga	aaaaaacctgg	gtcttggact	ttttgcctcc	acaactgtga	gaaaataaat	69360
ttctgttggt	taagccaccc	agcctgtggg	gttttgttat	ggcagcccg	gcagactgat	69420
acaccagaca	ttcactgtat	ccaactgttt	caccataata	gccttttcta	ttttgatcaa	69480
attactgcat	caggatttga	tcttaaat	catgtttcct	ttgcttttgt	aaatgtagct	69540
gagcatccaa	at ttactca	gtttggatgc	taacaagatt	agacagttat	ctgacagtaa	69600
tcagtgcctg	atcctattct	gtgtcttctt	ccatcaccat	cccactaaag	agcttgcat	69660
ttttgtttct	tttagccaga	tagtaaacat	ttttcaggca	ttttgaattt	tgccattgta	69720
aatggtgaaa	gattctctct	ctctctctct	ctctctctct	ctctctctgt	gtgtgtgtgt	69780
gtgtgtgtgt	gtgtgtgtgt	attaggagg	gggtgtgtatc	gggatgctaa	tctatgcaca	69840
gtgacctttg	tttctatctg	gctgagcaga	tgtaggaatt	aatcattgtc	actcctggat	69900
gggtgctgctg	cagctgtccc	ccactgcctt	tctgcccctg	atagatttat	tagtgtgttt	69960
tgtttgctga	aaagcatgcc	tcagcacaga	agaactggca	aattagagaa	gctttatctg	70020
tgagtataat	tttttggaaa	catggttttt	tctacacatc	tgtacctata	tactctgagc	70080
tctttaaaaa	aaaggaggag	gaagagagca	aagaaagaaa	aggaaaacaa	acaggtaata	70140
ttgtttctgt	aacatcagaa	cgattat ttc	ccagctgaga	atgttcatac	tggaacagtg	70200
tcatggccat	ccaccttagg	attgcagaga	accaattgtt	ttctaacctc	tgtatttctt	70260
tttgcaactg	cccaccccc	caccacttta	actgccaa	atcagccaga	at ttgtggcat	70320
actttggctc	taggcacaag	aaaataagt	gtctgggtta	cttagtgcta	aat ttat tttt	70380
atagtaggcg	tcactacaac	cttgagactg	taactaacac	tttctaggct	ccaagcaacc	70440
ccactacgta	gatatccctg	cagcctcatc	aaattcaacc	cgtggggata	ttgataccgt	70500
cctggatgga	aatcagagta	gccacacccc	tttcaatgtt	gggaatctgc	caaacaattc	70560
agtataaaatt	tcctgggcct	gggctgtgta	ttttcattcc	acccacccc	caa atcagtc	70620
agcatgccct	ggggcgagaga	ctaaaagagcc	gccagtgcct	attcagagtt	ggcttattcc	70680
tttctgatgg	cccatcccc	ccccgaaatc	caagaccttg	gccttagata	tcttggctag	70740
cctgggcctt	tctgggtacca	cccttcactc	tctaggagct	ctgagaattt	tctgcacttc	70800
ccgacgctgc	ttgatagagt	gactcacagc	ttactctttc	attgactctt	tctgtatttc	70860
tcttcttcag	aatttctctt	ctgctgctgc	tttttagacat	ccttgcattgt	tcagtcccta	70920

aatcaccact	gcttggttatt	actttcatgt	tcccaacatc	tggcatatgg	gtcttaatcc	70980
catgggtcca	cccagactca	tgaatttaaa	ctcttctggt	ctaaactctt	ccaccaccat	71040
ttgagcctca	attctgtgaa	cagttttgtc	tctaaaagcc	acatacctta	gtgtaagaag	71100
gcagattaat	cctctgaatg	tcaacttaac	agttaggcct	atctcccaag	aaagagaaat	71160
gaaaactcct	aattagtaat	gactcatttt	gatcaaataa	tcaatttttg	gaccattttc	71220
ttaaaactat	attttattgc	ctgtaactat	ttcctggagg	ataataatca	tccttaaatt	71280
actatgtgtt	ttgtgaagtt	ggtgctttac	ttttcgtgtc	ctaaatatgc	atatctgaat	71340
ctttaaattg	tagcttctct	ttcaagtgtt	ctaggatttc	atttgccatg	gttgggatct	71400
ctttgtgatt	tgataggttt	cgatcacatc	ctcactagcc	ttctttccaa	gccacagaac	71460
ggtctgtctt	cattcagtag	agaccctgcc	attctagttt	tctcgctgga	atttgttttc	71520
ccatatcctt	cttgagcaaa	ggtgactaaa	gccaaatggt	tcattctggc	actttgtgag	71580
acgtgggctt	taagctctca	aaagaagaga	aaatctcata	gttttatatg	agatatacaa	71640
tgaacaatag	taaaatagaa	atgttattgg	caagaggagt	ttttctccaa	tatccatgag	71700
taagaattcc	ttggacacat	aagataacaa	gaggaatata	cttactctgt	tttccttttg	71760
agatattctt	tacataccat	gaagttttcc	tttctaaagt	ttgcaattta	atagttttta	71820
gtatattcac	aagcttgggt	aaccaccatc	actatcta	tccagaacat	ttttatcacc	71880
tgcaaacaaa	accttgtacc	tgtagcagt	ctctcctcat	ttctctcttc	ctccacacc	71940
tggaaaccac	tagtctactt	tctatctcta	tagatttgcc	tattctggac	atttcatata	72000
aatggaatta	ttgaacatgg	ggccctttgt	gtctggcttt	tctcatttag	cataatctta	72060
gcataatatt	tataagggtt	ccctgtgttg	tagcataaag	cgttacttca	ttccttttca	72120
tggctgaaca	tcccattata	tggatattcc	acattttgtt	tatccattca	tcagttgatg	72180
ctatctgttg	tttccacttt	gaggctctta	agaataatat	gctgctgtga	acatttgtgt	72240
acaagttttt	tcatgaacat	gtttttactt	atctgggtat	atacctagga	gtggagtcc	72300
tgggttatat	ggtgactgtt	taacataagt	gtagaactgt	ttttcaaagt	gactatacta	72360
tttcacaatc	ccaccaacaa	tgtatgaggg	ttccagtttc	cctacatcat	cactaacact	72420
tgttttatta	tctgcctttt	taattctagc	catcctagt	ggtatctcat	tgtggttttg	72480
agtcgtattt	cccttatgac	caatgatgct	gagtgtcttt	ttatgtactt	attatccatt	72540
tgcttatctt	ccctggagaa	ctgtctattc	aaatcctttg	acatttaaaa	aaattagatt	72600
gtcttggggc	cgggtgcggt	ggctcatgcc	tgtaatccca	gcactttggg	aggctaaggc	72660
aggcagatca	cctgaggtca	ggagtttgag	accagcctgg	ccacatgctg	aaacccatc	72720
tctactaaaa	atacaaaaat	tagctgggta	ttggtggcac	atgcctgtaa	tcccagctac	72780
tctggaggct	gaggcaggag	aatcacttga	acccaggaga	cggaggtttc	agtcagccga	72840
gatttgtcca	ctgcactcca	gcctgggcga	cagagtgagg	ctctgtctca	gaaaaataat	72900
aaataaataa	ataaataaat	attgtcttgg	aaatatactt	aaattaattg	gcctatagtc	72960
ccagctactc	aggaggctga	ggtgggagga	ttgcctgagc	ccaggagttt	gatgtttcag	73020
tgagctatga	ttatgtcact	gctctccagc	ctgggtgaca	gagtgagccc	ccatctctga	73080
aaaaaaaaag	gaagaaagag	gaagaggaag	aagaggagga	ggagaaggag	aagaagaaat	73140
gctcttaagt	caatagttct	caaacttggg	tcacattaaa	gtttcctaaa	atcctgatgc	73200
tcaggcttta	ccctaggcca	gttaaatgat	aatatcttgg	ggtaggaccc	aggcaacagt	73260
tttagaaaaca	aatctccagt	tgattcta	gtttgagagc	cattgctata	gactacatga	73320
ctaagctgat	gataccaata	taaaaatggt	aaagatttga	taatttagaa	attatgccag	73380
gtattaaaaa	tgggagactt	aactcaaatg	tgaatcataa	aatgccta	caggtaaaaa	73440
gatagagttg	agatttgtaa	taaagattga	taaactttcc	tataatagga	agtttcaaac	73500
cacctatagc	tagagaaaa	gtctggctgt	ggttcttgcc	tagtgagcag	gaattgggtt	73560
tatgaggtaa	ccatgggaga	gccaataaat	gtgagtgtat	atgacaatta	aatctttaag	73620
cccagataat	ttatgtcaat	tattcaatgt	tcattaagga	aagtgaaaaa	aaatgagtat	73680
tagctaggag	aaatggaaag	ggaggctttt	gaaaggcata	aaaagattgg	aggctatttt	73740
aagagacttt	attggaagca	tagaaaaaga	gtatctgaga	atttttaaaa	atccaatcac	73800
ataaaaaatgt	gacagtcaca	gtggttattg	tggagggaaa	atgacatctc	tcaaagaatg	73860
taaaaagctc	cccaagggag	agcagggagc	ccacagagtg	tattagggtta	agtacaaaat	73920

aggaaaaaag	actttaagaa	acacttttga	agagagtcca	aaacacataa	agggattatt	73980
taaaaatctat	taaaaggaag	aagctagaat	aacagtggga	tcttttgctg	agaataaggg	74040
ggcacagggga	gtgctgaggc	acaaaaagac	aatagacaaa	ctaattatgt	gcctctgaat	74100
gtattgagaa	agataccaga	gtgatagcac	attcaaattg	cctactacga	atggatcagt	74160
agtagttaat	tcaatggttt	tctgtgtttt	gcataatttca	agtcaggtag	gcagaataaa	74220
tactgattaa	tcactggaaa	ctcttgggtg	ttatcttgag	atttctgaag	gcctccagaa	74280
gaaatttttc	tcgtcttgcc	tctccctaaa	gccactgccc	ttgtcctccc	tctcctatta	74340
ccaccaaggc	tcctaagtgt	atagtctacc	ctagtcacct	cacttttctca	tctccaattc	74400
attcttcaac	ccattcttct	aactccattg	aaaggctcatt	aaatctgact	cattgccaaa	74460
gtcattaaat	caacagatcg	cttttttagac	taaattcttt	ctagccttta	gatatataac	74520
accattaact	gtttcttctg	ttcttccttt	ctgaaacctc	ttttcttaac	atttattata	74580
tgtgaatgtc	ctggtttttac	ctgtctactt	cttgctagct	accttctactg	gctccagaat	74640
tacttacgta	tttctctttt	ttgttttttt	tttttaaggc	tagtcaagtg	aagcagtggg	74700
aatggagaag	gaacacagaa	atctgtaact	ggttgtgatc	aattaattgt	agacactact	74760
gacttcagac	aagccttacc	tatttaattt	tggtaacact	ctgggttcca	gtctcgattc	74820
acttcttaca	ctatatcctt	caccttgttt	taacctctcc	tgtgacatat	cctagtgtg	74880
cctctcttcc	catttttctaa	cttcatgggt	gatatagtca	tatagatgtt	tcacagttta	74940
ttctgatcca	gtaacaaaaa	ccagattaat	atcttaccag	caaacttgct	cttcctttgt	75000
gtaattcctg	tcgtgggttaa	tagcactacc	atccaccctg	tctcattctg	gattcctttg	75060
tctccctaca	catccggcta	gttaccagg	tttagatatt	taacctctga	aatgtctttc	75120
aaatctttct	attgtccatc	tccattgccc	aaccatagtc	ttcatttggt	tttcatctgg	75180
actattgcaa	tagtccccta	actcatcttg	ccgacatttt	cagctactga	tctcttgcca	75240
gcattttttt	ttccccaac	acaatctagt	tttaaaaatac	agacttctac	tgccctacata	75300
actccttagg	taagtattta	aggctttttg	tagtctggcc	ctaacataaa	atatccactt	75360
ttccccttga	aattaagttg	tgccctgggt	gtacatgaga	atggccattc	cttgagcaca	75420
ccatgcacat	tcctcaccat	gtctttgttc	atgctcttcc	ttgtttcaca	actcttctca	75480
tttatcacct	gacaaactcc	tatctatcct	ttaagacaaa	tttctgtctc	tcaaaatgtg	75540
ggccctgggc	cagagcagca	gtatcacctg	ggaacttggt	agaatacaac	ttcttggggc	75600
cccactttag	actctgttta	atccaaaact	ttgtgtgata	aggaccagca	atgtgaattt	75660
taacaagctc	accacatgat	tctgatgcat	tctaaaattt	aagaaccact	gttctaggga	75720
acaatttttt	tatcaatggc	catagcactt	tacacatacc	tgtattactt	actgcattat	75780
ttaataacca	tgtttactta	ttcacttatt	tatctgggtc	gctaagttgt	gagtccccag	75840
agtcaaatac	aatgggtgctg	tgttctgaca	cctgccatag	tgtctagcac	ataacaagtg	75900
cttgataaga	attcagcata	ctaaaatata	cccccttccc	tccaggattc	agtctagcta	75960
gagtaaatag	agagggcaag	atcaaatgg	gtccaaggca	tctactctta	aaggctgata	76020
tacaccacac	aaacaaaaag	cttacacact	gacaataaca	aatgtcagca	aagtaataac	76080
caacgggtac	taggcttaat	acctgggtga	taaaataatc	tgtacagcaa	actccaatga	76140
tactaattta	cctatgtaac	aaatatacac	ttgtacccct	gagcttaaaa	taaaagtttt	76200
taaaaaaaata	aataaagcaa	atgtcagcaa	ggatgcagag	aagctgaatc	tctcatacat	76260
tgtctgatgta	cctactctgg	aagacacttt	agaagtttct	tataaaaatta	ttccctcact	76320
gtgcgattca	gcagtttcac	tcctgtgtat	ttaccgtaga	gaagtaacta	tgtatgttca	76380
cacaaaaagc	tgtatgcaaa	tgtttttttag	cagctttgtt	tgtaatagtc	aaaaactgga	76440
aacattaaca	atcaaaaaag	aaatcaagaa	aacaattcca	tttgtaatcg	catcaaaaaa	76500
tgaaaaacttg	ggaaaaaatt	ttacctaaaa	gatgaaagac	ctatacactg	aaaactataa	76560
aacactgatg	aaataaatga	ggaaggcaca	aatcaatgga	aagatatccc	atattcatgg	76620
attgaaaaaaa	tttatattgt	taaaaatagcc	atactaccaa	agcaatctac	aaatgcaatg	76680
caatcttacc	aaaattctga	tggtgttttt	cacagaaaata	tgaaaaaaaac	taaaattctt	76740
atggaaccac	aaaagacccc	aaatagccaa	aacaatcttc	accaataaga	acaaagctgg	76800
aggatatcacc	ctagcctatt	taattttcaaa	atctactata	aagctatagt	aatcaaaaaca	76860
gcatgatgct	ggcataaaaa	cagacaaacc	aatggaacag	aatagagagc	ccaaaaataa	76920

atccatccac	ttacagtcag	ttgattttttg	acaaaagtac	caagaaaaca	caaaagagaa	76980
aggacagcct	cttcaataaa	tggtgttggg	acaactatgt	atccacatgc	aaaagaatga	77040
aattatgcct	gttaccgccag	cacttttgga	ggccaagggtg	ggccgatcac	ttgaggtcaa	77100
gagtggagac	cagcctggcc	aacatggtga	aaccctgtct	ctattaaaaa	tacaaaaatt	77160
agccagggtat	ggtggcatgc	acctgtaatc	ccagctactt	gggaggctga	ggcaggagaa	77220
tcatttggac	ccaggaggca	gaggttgcag	tgagctgaga	tcgcaccact	gcactccagc	77280
ctgggcaaca	gagagagacc	ctgtcttaaa	aaaaaaaaaa	aaaaaagaaa	ttggacattg	77340
gacccttata	ccatatacaa	aaaatccact	caaaaatgaa	ttaaaagctt	aaatgtatga	77400
cctgatactg	taaaaactat	cagaataaaa	cacaggagaa	aagctcctgc	cattggtccg	77460
ggcaatgatt	ttttggttat	ggccccaata	gcacaggcaa	caaaacaaaa	catagacaaa	77520
tgggattaaa	ctaaaaagtt	tttgcacagc	aatggaaaaca	ataaacagag	tgaagagaca	77580
acctacagaa	tgggagaaaa	tattttgcaa	ccatacatct	ggtaaggggt	aaatattcaa	77640
agactataag	gaactcaa	caatagcaag	aaaacaaata	atccaataaa	aagtggacaa	77700
aggacctgaa	tagacacttc	tcaaaagaaa	acatacaa	gtccagcagg	tatatgaaaa	77760
aattctcaca	tcactgatca	tcaagaaatg	caaattaaaa	ccatgagtta	ttagctcata	77820
cctgttagaa	tggctcttat	gaaaaagaga	gatagcaaga	gttggggagg	atttggagaa	77880
aagggaaccc	tatacactat	ttgtgaggat	gtaaattagt	acaactatta	tggaaaacgg	77940
tatggagggt	cctcaaaaaa	ttaaaaatag	aactatcata	taatcaagca	attctacttc	78000
tgggtgtgta	tctaaaggaa	atgaaatcag	tgtatgaaag	agatacctgc	actccccatgt	78060
tcactgcaac	attattccca	atagccaaga	tatggaacca	acctaagtgt	tcatttacta	78120
atgaatggat	aaagaaaatg	tgagatatat	atgtacacat	acacacacac	gatggagtac	78180
tatttagtct	taaagaagga	aatcctggca	tttgcaaaaa	catggatgaa	cctggaagac	78240
attatgctaa	gtgaaataag	caagacatag	aaaaacaaat	actacatgat	ctcacttaca	78300
tgtggaatct	aaaaaagttg	aactcataga	agcagagagt	agaatggtag	ttgccacaga	78360
ctagggtgga	ggtggttgac	agaaaatggag	agatgtttgt	cagatcaaaag	agcacaaaagt	78420
tccaggtagg	acagataagt	tgtggagagc	tatacagtat	agtgtctata	attagtaata	78480
acgtgttgta	tacttgaaga	attccaagag	agtatgtctt	aaatgttctc	accataaaaa	78540
aagataagta	tgtgcagtga	tggatgttga	ttaaattgat	ttataaattt	taattatttc	78600
acaatatata	caaatatcaa	aataccatgt	tgtataccat	aaatatataa	tatttgtcaa	78660
ttctgcctta	ataaagctgg	gagaaaaaaa	ctggaaaccc	aaatatcctt	caacagggtga	78720
atggataaac	tgtgggacat	ccatacaatg	gaatactatc	tagcaataaa	catgggacaa	78780
agtattgata	gatgcaacaa	cttggatgga	gctcaagggc	atatgctgcg	tgacagatgt	78840
cagtctcaca	agcttacaca	ctgtaagagt	ccagttctat	acaacattct	taaaagacaa	78900
atttatagtg	atggagaatg	ggttagtgg	tcctaggagt	taggttgggg	aagcgtgtca	78960
ctataaagga	tagcatgaga	gagttgtgtt	tataagtgtg	tatgtgtgat	ggaacagttc	79020
actatcctga	ttatgatgg	ggtttcgtgt	ggatgaatttc	atagaaatct	atatatgtga	79080
taaatttcat	aggactacac	acacacacac	acaaaagtgc	cataaaaaact	ggtgaaattt	79140
aaatagagcc	tgtagtttat	ataatagtat	tgcactaatg	tcaatttcct	gattttgatc	79200
atgaactctg	gttatgtacg	atgttattgg	ggaaaagctgg	gcgaaggata	cacagggaact	79260
ctctgtactg	tttttgcaac	ctcttgtgag	tcttaataaa	tttcaaaatg	aaaagctttt	79320
gagaaaaata	aagcacaggg	atttctgaca	aaagctaaat	tagaaaagcac	tgcttgacat	79380
aatgctaaaa	caggacccag	gaagtggaga	gctcactgcc	tggtggagggt	gggaaagggg	79440
taaagggaag	tggagattct	tgcttgaag	aacatttgg	agaacgtggg	ccaggcctct	79500
caaacaggtc	actcctggct	tggggaggag	ctaatactaa	ggtggaaagg	gaaatgaaag	79560
cttacttctc	atcagcttcc	catatgggga	agggggccgg	aatctctcct	caataggcct	79620
ccattttctc	aatagggaaa	acggagagaa	gggggaaaagg	gttcctcttt	aacaatggtc	79680
acaaaagggtg	atgtgtgcag	tgaaaagatta	aatggtataa	gaactcaggc	tctggaatca	79740
aaccagcct	caaatccagt	ggcttgattt	tctattgaac	tttgctatac	cctgtttctc	79800
tatttaaaaa	caggggtaat	gatactactt	aactctgaaa	gctgattaca	ttagattgtc	79860
tatgtagagc	acttagcaac	cacctagcac	atagataatc	agtgttggct	actcttttta	79920

atactatttct	atgccattac	caatttttcta	agacgtaaca	ataatacact	cagatgattc	79980
tgaccataat	gtaatttttg	attaaagtgtt	cttcaggatc	cttcaatgct	tccaactcat	80040
aaattatatac	agccctcagt	ccctatatata	gtaaatacaa	tttaaattaa	aatagttgtt	80100
acttttctatt	acatgtcttt	tatgtgtcttt	gcacttttaaa	tacactatatt	ctaacccttta	80160
tagcatgcag	gataaatact	atttttcccca	tttttcagatg	aggaaactgc	ttcagagtgg	80220
ttaggcaaat	ctccaacatc	tataaacaac	acagtaaacc	taggcagtct	gatggcaaag	80280
cccaagctct	ttccactaca	ctgttacctc	agtagtaatc	cataaaagat	gcttaaacac	80340
atacatattg	tctattagtt	gttctttttta	catcacatta	catgggcaga	ctctacaact	80400
cctgccacag	cctggcgag	acacttccag	gccattgctg	aagccagtgg	agacaccaga	80460
cgatgacaga	aaccaagaac	ccaaagctga	ttgtagcaag	aattcagtct	ggagttcagt	80520
cagtagataa	atccgagagg	catcatggaa	attgtgccaa	gggtccaagg	tcaagccagc	80580
agtcagaatc	ttaaaggggca	ggcaaaaccc	agcaggaggc	tctgcaggct	ctgtgcccc	80640
cgggagattc	atggcttcct	ctctgtctcc	tcttggtgac	actgccggct	ataaatgggg	80700
gctttgtgga	tcctcagttg	aggaggcagg	tgaaaattct	tggcctacca	gcactactac	80760
aggacgttag	aaactagggc	agggaagacc	tgggtcttca	ttaatcagtg	tgatgaaaac	80820
aggccccagg	cagttgggtc	cactagtggg	aagtgaagaa	acactgaagg	aaaccaggag	80880
tcaggacatc	tggatttgct	gtcccaacat	gggtccctatc	tggcgataaa	acagcatgca	80940
aatttcttca	tctaaaaatg	aaggaatcag	gtcagatcac	tgattttcaa	actgtgttcc	81000
tcagaaccca	aggactccag	tcctgctgtg	gagagatagg	tgggagcaag	caaggccttc	81060
ctgtacagca	cgcttccttt	catctcttcc	aagtactgaa	ccttctaatt	ctaattgattt	81120
attcagcgta	acaggcatth	aataagtttc	tactaggctc	ggggccttgt	agaagggtgct	81180
gatggggaca	aagctgagta	aaaccagctc	ccaacatcat	gaattcctag	attctggctt	81240
aatggggaac	cattccagca	gctgtcactg	ttcaggattc	ctctcagatt	ccaagataca	81300
ccaaggccccg	gagttctgcc	acagaattga	agataagaaa	gagaggaaaag	aggccgagtg	81360
cagtggctca	tgcctgtaat	ctcaccactt	tcggaggccg	aggcaggcgg	atcacctggg	81420
gtcaggagtt	tgagaccagc	ctgaccaaca	tggagaaaacc	ctatctctac	taaaaataca	81480
aaataaattg	ggcatagtg	tgcacacctg	taatctcagc	tactcgggag	actgaggcag	81540
gagaatcgct	tgaacctggg	agggtggagg	tgcggcgagc	cgagatcgcg	ccaccgcact	81600
ccagcctggg	caacaagagc	gaaactccgt	ctcaaaaaaa	aaagaggaaa	gaggaatctt	81660
ccccagtatg	gcaggcaatc	tttctgcct	caaggagatc	aattttacatg	tcacctggaa	81720
gcccataata	ttctgcttta	gcagtgactc	cttggtgattg	gatgtttcct	atggccaatt	81780
gtgcctgtgc	ttcatgccct	acttaaaatc	aggacatctg	ctctgccctt	ttggaagagc	81840
tacaagtctc	ctgccaggaa	ttgctcaagg	ccttttctctg	cagctaaacg	gagaaaaggaa	81900
gttgaaatca	ttgcctcata	aattacaaca	catgccaggg	ttgtaacct	gagtctgagg	81960
ttctaggcga	aaagaggatt	ttgtgtgtgt	gtctagtgtt	ttccccacag	catttaaaag	82020
ctcatctaaa	atatattata	attgcatgag	atatggcaaa	aatacattca	gaaactaatt	82080
ttttgaagat	aaacaaacaa	agcagaatgt	gcccataata	ttcctaagta	aagccacaca	82140
aacttccttt	ccagtaaggg	tatccttttg	ggctttttcc	ccctccttgt	caccaactta	82200
tcttgaattt	atcactatgc	tttttccacta	ttgttcctaa	acttcagctg	ttatataatg	82260
agatagtggg	catttagtct	tatatccaaa	tttccatatt	tcagctttta	aaatagttgc	82320
aaggatgctt	ttaaagttga	tcctggccag	gagagggtggc	tcactcctgt	aatcccaact	82380
ctttgggagg	ccaagatggg	aggattgctt	gagtccagga	gtttgagacc	agcctgggta	82440
acaatgagac	cttgctctctg	caaaaaaata	aaaattaact	gggtgtgatg	gcatgcactt	82500
gtagtgccag	ctacttggga	agctgagggtg	ggaggattgc	ttgagcccag	tagataaatg	82560
ttgcagtaag	ccaagatcat	gccagtacac	tccagcctag	attagagagt	gaaactctgt	82620
ctcagaaaatt	aaattaaaatt	aaattaaaaa	gttgatccta	gcaaaactaac	accggaacag	82680
aaaacccaac	accgcatgtt	ctcactcata	agtggggagtt	gaacaatgag	aacacatggt	82740
cacagagagg	ggaacatcgc	acaccgaggc	ctgttggggg	ttgggggcaa	ggggaggggag	82800
agcattagga	caaatactta	atgcatgtgg	ggcttaaaac	ctagatgatg	ggttgatagg	82860
tgcagcaaac	caccatggca	catgtataac	tatgtaacaa	acctgcacat	tctgcctatg	82920

tatcccagaa	cttaaagtaa	aataaaaaaa	gaaagaaaaa	aaaagttgat	ccttaggcct	82980
gtttatagtc	caagggagct	gtgaatgctg	aaatttgtac	actgtcaatt	tatatgtata	83040
ttcacatatt	aatatctata	gtacacatag	attcaggaat	gtagactttt	gtcaaatggc	83100
ctagtagata	ctgataaaac	aacttctaata	attaaattaa	aattttattc	tattttaaag	83160
aaaaagaaca	aataagaaaa	tcgtctttgc	aatgaaaagg	tcagaaacca	aggatgtggt	83220
gtcctaatat	gctgatagca	gagattatat	ctcctttgcc	ttcctatcac	tggttcttaa	83280
taccttggca	agttagtatt	taggaattgt	tgaattaatg	tttggcacat	gaagatcatt	83340
aaagcaataa	ctcataaagc	atggggaaaa	caaggtcatt	tgctaaaggg	gaatttgggg	83400
gcacgatatt	tagcaagtct	tctttcacac	ttatagctaa	atattttgtt	tatttgatta	83460
tttgattgat	ttgggtgtaa	attctattgc	acctctggta	aaccaagtca	gcctgccctt	83520
cctggttaag	aaagagagac	agaaatgcaa	agtgtaacca	gcttattaat	aagccgagga	83580
tagagaaaaa	aaatttgtct	ctgggctggg	agcagtggct	catgcctgta	atcctagcac	83640
tttgtgaggc	cgaggcaggc	gggtcacttg	agcccaggag	tttgagatca	gcctgttcaa	83700
catggtgaaa	ccccatctct	actaaaatta	caaataattag	gcaaggatgg	tggcatgtgc	83760
ctgtaatccc	agctacttgg	ggtggctgag	acacgagaat	cgttgaacc	cgggaggtgg	83820
aggttgcagt	gagctgagat	cgcctcactg	cactccagcc	tggctgcact	ctagcctggg	83880
caacagagtg	agactttgtc	taaaaaaaaa	caaaaaacaa	ctgtctctgg	cataacttga	83940
gaagggagaa	gctagaagag	acctttgggt	tcatacaggc	caagcactgc	taaccattca	84000
gctattctgt	gggcagaatg	tctttgttct	tccaggtgca	acttcagcag	ctgtgggcct	84060
gaactgacag	tgcggggtaa	ggatatcact	ctctccatgt	gaaacaaagc	aggactacag	84120
gaaagcaggc	tgatttggaa	aggccaggcc	caccaggagc	aagaggcagt	gctgagtgtt	84180
tggctcatga	caaaacataa	tttacaaatt	tactggcttc	aaggatgtaa	aaagttataa	84240
tttactggct	tcaagggtgt	aaaaaggcct	gcttcctagc	ctagctgcaa	gcagcaactc	84300
agtccatgat	cagcagatth	tctgaagcct	gggggtggga	tgcatgttgt	taacctctga	84360
tgcagatgtc	tgctgagagt	ctgtaatctg	tgtggctcatg	aagatgagat	ttcatccatc	84420
aattgcttga	caagggctat	catcgtatct	ctgggcctgc	gtggctctca	acacacgacg	84480
taagaaacat	attggacaaa	agcatttctt	gggagaattc	tccagcaaga	attcagccat	84540
tggcaaagaa	tctttcaagt	ggccctatct	cactggagac	aagtaaacad	atacgcagtg	84600
catatgtgaa	tatacactcc	ttcaagggtc	tgcactttcc	tagaaacaaa	aagaatgaga	84660
ggaaaaagct	ttacaggcat	cctgttagga	tgctttctct	cgtttatttt	taggctcttt	84720
tcagctctgt	gctaagaggg	gaggcaaaagg	aagggttac	ccagaatgca	aagcttttta	84780
gtgagggttt	gggggtgtgca	aatltgttaa	agtgggtgaaa	accagtgctc	tatggaaagt	84840
cacagcatcc	acagcactca	gagcccccca	aatatctctg	gcccttgtgt	tcactaattc	84900
caaggaattc	tcagccattc	caggggactg	tggggatccc	cctgaaacca	ctacaattac	84960
ccagaatgtg	cccctcctaa	cacataggca	ttgaaccagt	tcctaactct	cccccaactc	85020
tcacagatct	ctagtacttt	aagagccata	tggcacacat	gcttagccct	cagccttctg	85080
cctaataagg	gagtgttttg	ccagggaaaa	ataagattag	ggaagaggac	aaagaaagaa	85140
gaagagaagg	agtttccata	tccattaatg	aattcattca	acagatgggt	atggaacact	85200
taccattttc	caaagaccgt	actatggtgt	gggttataga	ataagaaaca	gcctggcttt	85260
tgaggagtag	aaactgtccg	gtggaactaa	cattaaaagg	tggtaatata	acatgacaat	85320
tgtactgatg	cacatagacc	ctgggggtgt	ttagggacat	agaggatggc	accaaacctta	85380
gactgagggc	atcatccaga	cagatacatg	ctcttgtttc	tgtgagtcct	gtgaggtgag	85440
tcactcacia	agaaaatgta	aagaaataac	tcagaataaa	taaaaagata	gatggcacag	85500
taagcttggc	agattgatgt	tggagaacgt	cagttttggg	ggcaacaatc	tgcaagggtg	85560
tctaattttc	tcctgcacca	ctcggctgcc	cggatgcaaa	agcagacaat	ggattgtggc	85620
tctgatctga	gtttttattgg	gcagatgctg	cagaagggtc	tgtttgaaaa	gggaatagga	85680
tgttattgag	agaacagttc	agatgaccaa	ccagggtatct	gaaattaggt	agagacagta	85740
agagagactg	ataaactatg	aggaagcaaa	agaaccaagt	gactggagggt	ctataggctg	85800
tcaatgtaca	aatgtggcag	gagtaagcac	atgagagggc	tggaggatag	gatgctcact	85860
catttattcc	tcagatgttt	attgagtgcc	ttcagtgtcc	aggtagtggt	ctagttctga	85920

gagtacatca	tgcacaatgc	tattgggagg	agaaaacaat	aaataaaatc	ataataataa	85980
acaagtaaat	tatgtaatat	gttaaaaagg	aataagtact	atggttggat	gggggcaggg	86040
gaagagaata	gagcagaata	agaattcaga	attccgagga	tagggtataa	ttttaaatag	86100
ggttgtcatc	atagctctgg	ttgagaagg	aacatatgaa	cacacaatca	ggagagaaa	86160
aggatgagct	atgcagatac	atgtattgaa	atattccagg	cagagagaac	agccacttca	86220
aagcctcgca	gtgtgtgagt	gcctgggtgt	ttcaaggaaa	agcaaggagg	ctgtgtggct	86280
ggagtggagt	gggcctggag	aagatgtaag	aaatgagggtc	aagaaacaac	agggatcgag	86340
tgtgtaggct	ttgtagactc	tggtaaagac	tggctttccc	tctgggaaat	agagagtcac	86400
tgtggggttt	tgagcacaga	agtgatgtga	tcttatgtct	ctttaatgga	ttactctagc	86460
tgctatgttg	aaaaatagact	tgagggaagt	gccagggttag	aagcaggggag	accagttagg	86520
aggctatttg	aataatccaa	ataagaaatg	caaagtaaga	ctttgatcag	gtggtggcag	86580
cagagggtgg	gagaaggagt	tagattctgg	atgtatttctg	aggatagagc	caacaagatt	86640
tatgacagat	tggatgtggg	tagtgagcaa	gagtcaggat	gactccaagg	tttttgggtcc	86700
aggcaaattg	aaagggtggag	ttgccattat	ctgaaatggg	gaagaagggtg	agcaattgag	86760
agggagactt	ggagttaa	tttgaacaga	ttgtagtcaa	attgggtgtg	ggatattgg	86820
gtttacaatt	cctgaagg	aaccattctg	agtgacctta	agaccagag	tgtaacctgg	86880
ggatgggtgt	ctgaagagga	ataaagtga	atcattatga	ttgaataatt	tagaactctg	86940
gaggctgaaa	agctaata	atctcctagg	atgttctacg	aggatgggtg	cccaggcacg	87000
agagtaggga	acgggggtcag	gccttatgat	ggatacttta	aatacaata	gttagagggtc	87060
acactaatat	tagcttgagg	tgtgcagaat	tttaattggg	tgcagattag	tgtatacatt	87120
agaaataagc	aagatattaa	aagatcaaat	ttgctgaaac	acatcagata	acattatgat	87180
aaaggatatt	ggagttttat	ttgagttaga	tttacaatcc	cattgtagca	tggatcaaaa	87240
acagtaagtt	gataaagaaa	tcagataaat	tttcacaatt	taaattttta	ttgttttatt	87300
aaaaagcatt	ttggaaagac	attcatattt	ggttttggat	aggttaaagc	tcagtgatac	87360
cattttacatc	aattttttata	gcatttttaga	gagcatgggtc	ttgtgacatc	ttaggataag	87420
ttttctgtta	gtcacagcat	gccacaaggt	accttgtgct	ccatttctctg	gccatgtttt	87480
cagactcagt	aacttcaa	aaaataaact	gccaagttga	gaaattaaca	tttgataaag	87540
tttttgcaac	atcataccat	tgagctgggtg	gatgtggctt	aagcatctga	attcattaga	87600
gactattgaa	atgataatgc	agaattatac	aggttttgca	gatgtagttc	aataatttatc	87660
tatatgtatt	gaaacctcac	ttgaggatag	aaaaatcaag	caagttcttg	tcttacattt	87720
ccactcaata	aatgaagg	aagagataat	gagaaagcta	tataatcctt	taaaaaaaaa	87780
attcaccttg	tttctgactg	acagtaaccc	aattcagggtc	ttttactctt	cataaatgga	87840
agacaagtaa	cctagatagt	actggctatc	tataattaaa	tatacaatat	tgaaatctat	87900
ttgctttgtg	gaaattatgt	gtttgtggct	gattaaaata	ttcagctatg	taggcttcat	87960
cttttagctc	aatagaaaaa	tataaatgac	attgggtgact	gaattcctac	caacgtggca	88020
aagacattcc	ccagacatac	ataattcacc	tgctgaattg	gagatgattc	acctttcagt	88080
gacttcacag	gtgttaactt	ggccaaacaa	aaaagggaaa	tcattcttgta	ttcatctttt	88140
gttccttgag	gcaagttttc	agtaagattg	ctcgggaaaa	atatcacaat	atacatatat	88200
aagtccatag	tatgtctatt	tgaataatga	attagcacca	ctgtctgaga	ggtgaaaact	88260
attcaatgta	tattttctgg	aaaataacta	aattgagttc	ctcttaacta	aatcagaaa	88320
agaaggaatc	ctcaatcagg	atttcatgta	gtactgtatc	actcaaagga	aaactgattg	88380
tatagtggta	ctcaataaaa	gtgggtccaa	agaaaaatta	tgagagaaac	gtaccgatca	88440
gtgatctgga	ccaaacagac	atgtggctgt	gaaatccagg	cagttgcttg	gtgacgaggt	88500
caccatcaga	tagtcatggc	ttatgtgcag	gaatgtgaga	atggccatgg	ggaggaatgg	88560
cctgggttat	gggtcttgca	ggagtcccac	tgcttgtgcc	attgctcaaa	cttctgactg	88620
ccctgtgcag	ccggtgccag	gtcagcagta	ctctctgctc	tgaatcagtg	tcagcactgg	88680
tctctcta	gtagtacctt	tcttcaaaaa	atgctttgtg	aagctgctgg	ttagcactgt	88740
tcttacttct	gtagttaata	ttcaccacat	attccccctt	ttttgtggag	agataaagaa	88800
attaaggaaa	atcactctcc	ataagtccac	aatctgaaga	catggagggt	gaggaggcag	88860
acctgaatga	ataagtggat	catatgatag	ggctagatct	taaatttga	tacaggagac	88920

ttaaggtaaa	ccacagaagc	ttgttgttta	tacatgtagc	tcttttgcta	aatataaatg	88980
tggcatgtga	agattaataa	atctgaatgt	aatgtacaga	atgtactaga	acaggaaaaa	89040
attggtgttt	actgagagct	gaaggttaca	tcaaaaatct	aaaaagtaat	atttttgcat	89100
catcttaaa	tttgcaaa	gttttggcac	atacatcatc	tcatctttgc	aataacctgt	89160
ggggtagata	caaaagatga	tgttattttc	attttccaga	tgaggaaata	ggagcctggt	89220
tcctggtcag	acaggcttag	tcagctgtga	gtggcagagc	tggtgttccc	acctgttacc	89280
ctcaacccca	gttcatttgc	tcctaacatg	attgtatcct	ggataaacat	ggtatcaaga	89340
atggagaggc	caagcgcggt	ggctcacacc	ggttatccca	acactgtggg	aggccgaggt	89400
gggcggatca	cctgaggtca	ggagttcgag	accagcctgg	ccaacatggt	gaaaccccat	89460
ctctactaaa	aatgcaaaaa	ttagatgggt	gtgggtggtgc	gtgcctgtaa	accagcttac	89520
tggggagact	gaggcatgag	aatcacttga	acctaggagg	tggaggttgc	agtgagccga	89580
gattgcccc	ctgcactcca	tcctgcacaa	tagaacaaga	cactgtctca	aaaaaaaaaa	89640
aaaaatggag	agtgaatttt	gggaggctga	ggcaggcaga	tcacttgagg	tcaggagttt	89700
gagaccagcc	tggccatcat	ggcaaaagcc	tctctctact	aaaaatacaa	aaatcagcct	89760
ggcgtggtgg	tgggcacctg	taatcccagc	tgctcggggc	tgaagcagaa	gaattgcttg	89820
aacctaggag	gcagaggttg	cagtgaacca	agatcatacc	actacactcc	aacctgagca	89880
acagagagag	actctgtctc	aaaaaaaaaa	aaggatggag	agtgaagaaa	aactcagaga	89940
ctttgaaata	agaagtga	gaggccgggc	acagtggctc	acacctgtaa	tcccagcacc	90000
ttgggagacc	gaggcaggca	gatcatttga	ggtcaggagt	gagagaccag	cctggccaac	90060
atggtgaaac	ctgtctctac	taaaaacaca	aaaattagct	gggcatgggtg	gcgggcacct	90120
gtaatcccag	ctactcggga	ggctgaggca	ggagaatcac	ttgaaccagg	gaggcagagg	90180
ttgtggtgag	ccaagatcat	gccattgcac	ttcagcctgg	gtgacagagc	aagactctgt	90240
ctcaaaaaaa	ttaaaaaaag	aagaagaaat	gaaagaaact	tggcaattga	ttgggtgttt	90300
ctgataaaga	aacagaagaa	ggaaaagggtg	attcctaggt	ttctaaaacc	tgggaagaggt	90360
ggacagttag	attataatat	aagcagctga	tgttggcaac	atgcctacta	tgtgccaggc	90420
catgtgccaa	gcattttgcc	atattgcctt	attaaatcct	tacaactctt	tgaaggtaga	90480
tcgcataatt	attattctca	ttttaga	gggtgtgcat	gaaagttgct	ctcactttta	90540
gaaaaagaaa	aaaatcttcc	ctccaaaaca	aggctaagct	caactggatt	cactggccta	90600
tgctgacagt	acctggggcc	tgggacagtg	gtttgggtgtt	cttggtgtgta	tggatgtatt	90660
acaatgtcag	acacaaagta	actaagccgt	gctcctggcg	gttatgatgc	ttgcaaattcc	90720
agcactgcca	aactgttttag	tgctctctag	gtgctttgcc	tgtggttaga	acaagcttca	90780
ctaagtggat	agttttgcct	tggccctgcc	tttaaggcag	tctgccatgt	catcaagaga	90840
cataggttag	aatgctctcc	tccttagtta	tgatttaaaa	ataaaaagtat	aacaaagtat	90900
aattatcaaa	tgactatttag	tagaaatggt	gcattttatat	acactattta	gattacaatt	90960
cttaaataca	atgtctttcc	ttcttggttac	ttgtaattaa	ttagtatcag	tcactgtcca	91020
gtgtgagcct	ggcattgccc	ttaggttaac	cagttcacat	cctgaacttc	tgttggtgcc	91080
cagggtatatt	gtctgaaacc	ctgattatatt	acatctccct	ctaactttca	aatttgtctc	91140
caatctcatc	taaaactatt	aatacttgag	aaaaggcctt	tccccaattt	cctgcttcta	91200
atcccccttat	cctcttttctt	tcttgaaaaa	gtagaggaaa	atggttttaca	tatcaaataa	91260
agtaaatagt	atatgaaaaa	aaaaaaacct	ctaagggtc	caaactctgt	ggatatctac	91320
ctgctgggtta	tttatttact	aagctgcaca	tagcaatccc	ctagcaacca	taaacttcat	91380
gcataaaatc	ccaactcttc	tccaatacca	cctgtttgta	ggtagtcatc	cttcttttaa	91440
aagacttggg	agttatacaa	ggaataagtg	ccagagttta	gttctttgtg	aaaataaatt	91500
taaagaaatt	ataagttttc	acagggtgtg	aaagatgttt	cttcccagtg	gtccttcact	91560
ccaaggctgc	actggagatt	atgctggtga	ggaagctttg	gtctcgtagg	tctttggccc	91620
caaggcaaaa	ggcatgggt	gtaagtgtct	ttcttcctga	tccctcttag	gattgtgaag	91680
atgtccagtc	ccaatctgaa	cattgtgacc	ttactgggca	gttgtctcac	ttacagtagc	91740
gcttacctct	ttgggattca	ggatgtttta	gtggggagct	caatggaaac	tctcattcag	91800
gtaggtgaag	ttttaaaatt	tggttttgac	tataaagttt	tgattatttt	tttaaacag	91860
ctgctcccgt	gggtggtggt	ttcctttatc	cttgaggtgg	gcacttttcg	agggaatccc	91920

agaacacttg	gtgaggttca	ctctgtacct	cgtgcgctct	gtgggaccca	gaccctacag	91980
atcagagtgt	gtggagaact	gataaagggt	cctcttgtga	ctcttctgtc	cccttccacc	92040
catagacaag	actgtccatg	ctgtgcattg	ggacctccct	tgtgtttggc	cccattctgg	92100
gaaagagctg	gcgactctac	aagggtgttta	cccaaagggt	cccggacaag	agagtgggtga	92160
gtaggcagca	agtacacaat	gcttgactgt	agatggtagc	ttcagcattg	gttaacagct	92220
agagaagctc	atgcacatta	ctgagcctag	cccctttcag	gacatccaaa	gttcctgttt	92280
ctcattccaa	accctggaat	catgcagcct	cataaggcct	caggctctgga	aggctgtgga	92340
tcagtgtctg	tgaagatagg	gcttcaaacg	tgggctctgg	ttcctatgta	ccccaggccc	92400
tgtggggaca	tgtgagctgg	ccaatacctg	gcaccagtgt	gaggcagaac	aagataccca	92460
gagactgttg	tttggcacag	gtgcgagctg	gaagtgaagg	gaggaagagt	gattacagag	92520
aaactatagc	aagtaagtag	ttattttcctt	ccctggagtc	cagttctttt	ctatgtagaa	92580
ggcagttctc	tgtactgaga	aggatgtgcc	caaagcagtg	agcaaggaag	agcagataga	92640
atcaactcta	agttatgtag	cagccagatc	accgacatgt	ccctgggtatc	agtcatcaac	92700
ttaaccacat	ttccccattt	tatcaggttg	tctgatgaga	ctgctcaaac	ctcaattcct	92760
gaccattatc	ctcattgggt	ataggccctg	cccagaccca	atatatcatt	cagttgggtgt	92820
ttactttctc	ggaatgatgg	gaatttatatt	tagcaaagt	tattgaatca	tgggtcatac	92880
ttacaaaaag	ctcagctgtg	agcaaccata	cctatgaaga	agattgccta	aaaggacaaa	92940
aactgcattc	atccctcaag	aacaccaatt	tcttttttaa	acagctttac	tgaagtataa	93000
ctgacatgca	gtgaactgca	catattttaa	gcatatgatt	tgataaattg	tgacatggat	93060
atacaaccaa	gaaacatggg	gcataatgaa	catatccctc	atcttcaaaa	gcttccttgc	93120
aaccctttgt	tatctccctc	ccctgtccaa	tccttatatc	ccttgttcct	atcctcagaa	93180
aatcattgat	ttgtgtcac	tgtagatgag	tttgcatitt	ccagagtttt	acataaatgg	93240
aaccatgcag	tatggactct	gttttctctg	gcttatittt	ctcacataat	tgtttttatg	93300
aatattatag	ttatttatct	atgttgtgtg	catcaatagt	tatttctttg	ttattgctga	93360
gtagtattac	aatgcataga	cacaatttgc	ttatctgtag	atggatgttt	gggttatcgc	93420
cagttgtggc	gattaaaaatt	aaagctgcta	tgaacattcg	tgtacaaaagt	ctttgttttag	93480
acataggctt	ttattttctc	tgggtgaaaa	cctaagagta	tggttggatc	atatggtaag	93540
tgtatattta	actttttaag	taacagtcag	actgtttttc	gaagtggttg	taccattctg	93600
catttccacc	agcaatgtat	gagagtccat	ttcttcaca	ttcttggcaa	catttgattt	93660
gatcagtctt	tttcatttta	ggcattctaa	taggtatgtg	tggtagtatc	tcattatgct	93720
ttcaaatttg	catttctcta	atgcagtatt	gagcatttct	tcacttgctt	atttgccatc	93780
catacacctt	ctttggcaaa	ctttctgttc	aaatcttcca	cccatttttt	tttttttct	93840
gagacagagt	ttcattcttt	cgcccaggcc	ggagtgcagt	ggtgtgatct	tggctcactg	93900
caacctctgc	cttctgcttt	ccagcaattc	tcctgcctca	gcctcccaag	tagctgggat	93960
tacaggcacc	caccagcaca	cccggcta	ttttgtattt	ttagtagaga	tggggtttca	94020
tcagtgtgac	caggctggtc	tcgaactcct	gacctcgtga	tccgcctacc	ttggcctccc	94080
aaagtgtctg	gattataggc	atgagccacc	acaccagcc	tcactcattt	ttaaattgga	94140
ttttttgttg	tcttattatt	gagttttgtg	agttcttttt	atattctgga	tacaaaccct	94200
ttatcagatg	tatgatttgc	aaagattttc	ttccagtttg	ttcttttgtt	ccttttactt	94260
tcatttactt	cagaatgtct	ttcaaagata	agacatttct	cattctgatg	aagttgaatt	94320
taccaatgtg	ttctttgttt	ttaggtttct	tgtttattttg	tttgtttgtt	tttgtatttt	94380
tagtagagac	ggggctttac	catgttggcc	aggctgggtc	caaactcctg	gcctcaagtg	94440
attcaccagc	ctcagcctcc	caaagttcca	ggattacagg	catgagccac	cacaccggc	94500
cccaatgtgt	tcttttatgg	atcatgtttt	tgggtattata	tttaagaaat	ttttgcctaa	94560
cttaaggccc	caaaaaggttt	tctcatgtgt	ttacttccag	aaattttaga	gttttagctt	94620
tgacatttag	gcctatgatc	ggtatatggg	atgatgtatt	gattgaattt	tagtttttta	94680
catatagaca	tttgattatt	ccaacatcat	ttgttgaaaa	gattgtcctt	tcttcactga	94740
attacctttg	tgcctttgtt	aaatcagttg	tccataagtg	tgtagatcta	tttctggacc	94800
ctccattctg	tctcactgat	gtgtctatct	caacagcaat	gccatattac	cctgattact	94860
gtagctttat	actaaatcct	gaaatcagggt	agtattagtt	ctttgacttt	cttcttctct	94920

ttcaatgctg	ttttggctaa	tctgggtcct	ttgaatgccc	atgtgaatth	ttgaatcagt	94980
tcactgattt	ctacaaaaat	tcttttggga	ttatgttgaa	tctaatagat	caaattatgg	95040
agaattggct	tcttactaat	gttgtgtcct	ttgacccatg	aacccattta	tttaggtcct	95100
taatttttcc	catcattttt	ttgtactttt	caatattgct	ctttcacatc	tttcatcaaa	95160
cttattttcta	gggattttat	attttttatgc	tattttatata	gttactattt	ttttaaatth	95220
cactttccag	ttgtttgttg	ctaataaata	gaaatataat	tattattatt	atthtttttt	95280
gagatggagt	ctcactctgt	cgcttaggct	ggagtgcagt	ggtgcgatct	cggcttaccg	95340
caacctccgc	ctcccgggtt	caagcaattc	tcctacctca	gcctcccaag	tagctaggat	95400
tacaggtgcc	tgctaccaca	cctggttagt	ttttgtattt	ttagtagaga	tgaggtttta	95460
ccgttttggc	caggttggtc	tcaaaactccc	aacctcagat	gatctgcctt	ccttggcctc	95520
ccgaagttht	gggattacag	gcattagcca	ccatgcctgg	ccacagaaat	ataattaatt	95580
tttatatgct	tagcttgtat	actgcaacct	tgctaaacta	catgttagtt	ctagcagctt	95640
ttttatagag	tctatcagat	tttctacaaa	gatgatcata	tcagcagtga	ataaagataa	95700
tttattttcca	atctcttgtc	tgattgcact	ggctagatac	aatagtacaa	tctgaataga	95760
agtggtgaga	gcagatatat	ttgttattct	tgatcctatg	gggaaaacag	tcaaaactaa	95820
gaatgatatt	agcagtagtt	ttattgtaaa	ttccattttat	ccagttgggg	cagtactatt	95880
ctattcttat	tttgctgaga	gttttaaatca	agaactgatg	ttgggttttg	tcaaaagctt	95940
tttctgggtc	tattgagatg	atcatacagt	ttttcttttc	ttagttttatt	cgcattgggtg	96000
attatgttaa	atgggttttt	ttttaaaccc	ttacacaata	gacttttatt	tttagagtag	96060
ttttaagtta	acataaaaaat	tgagcagaag	gtacagagggt	tttacaataa	cagtctttcc	96120
ccacacatgc	atagcctctc	ccattatcaa	tattcccat	cagagtatat	acttattaca	96180
attgatggaa	ctacattaat	acgtcattat	caccagagt	ctgtacttga	cattaggggt	96240
cacttttggg	gttgtagatt	ttatgggtct	ggacaaatgt	gcaatgacat	gtatctacca	96300
ttacagtatc	atacagagta	gttttactgc	cctaaaaatc	ctctatgctt	ctgctcatta	96360
tctctttctc	tccccatatg	ttaaatgatt	taggggtgtca	aaccaacctt	ccatccctgg	96420
gattagcttc	atttgggtcat	gctacattat	cctcttcata	tattgttgga	ctcagtttta	96480
taaaaacttt	gtttagaatt	tgtacattca	tgtttttaat	acataattgct	ctgtgggttg	96540
cttghtaatat	atthtttctag	ttttgggtatc	agggtaatgt	tggctttata	aaatgagttg	96600
ggaaactattc	ccttcttttc	aatthtcagga	ataatthtcta	tagaatagca	taattggcac	96660
tcattgtataa	gtaccttaca	atagtatgct	tccttttatc	cccattccta	tctttgtctgt	96720
tacattgttat	aggccccatg	caattctttt	gttttaataaa	tcaattatct	ttaaaaatat	96780
tttatttttt	tattttttaag	accagggaca	acattgtgaa	ttttgttatt	ttcttttaattg	96840
atattttaaat	aatgaaaact	aatcatgtat	ttttctgttt	agttaccatt	tccagtgttc	96900
ttattttcct	gtatagattc	acatttttat	ctcatattat	tttcttttgc	ctgaaggata	96960
tctaaccattc	cagtgtgggt	gtgctactac	tgaattcttt	cagcttttga	ttattctgaaa	97020
aagtctttat	tttgctttca	tttctgaaag	atatattact	gagtatagaa	ttctagactg	97080
aaattttctt	ttcttcttct	agtactttca	agattgttct	gcactgtctt	ctcacttggc	97140
cttgtattctg	atgagaagtg	tcaggtttat	tttatgtcta	cacaaaatgt	gtctttcttc	97200
actgcttgct	ttgagtagtt	tcccttttatc	actggttttg	aacagtttga	ttaggcaatt	97260
ggtttgtttt	taatttttaca	aacaccttga	atcacgtaac	tggttgtgct	tcttttctact	97320
ggttgtcaaa	agctcagatc	cacatttctt	ctgctccaat	tagtaaatgc	tattatataat	97380
acactcttca	tctgagcctt	catcataatt	ccctttattt	tctctcttcc	cggttgttaa	97440
atatttttaat	cctatcacag	tatatatttt	tctcaatttt	atthttttag	tcacaaacta	97500
acacattctc	ttcatcctaa	gtcaaatacg	gatgggtccct	gacataaaac	agttcaactt	97560
acagtttttc	tatttttaca	tgggtgtgaaa	gcaatccaca	ttcagtagaa	accatactta	97620
aaatacccat	acaaccactc	tgtttttcac	tttcagcaca	gtagtcaata	catttttatga	97680
gatattcaac	acttcattat	aaatttaaatt	aagctttgtt	ttagattgatt	ttgcccaggt	97740
gtaggctaata	ataagtgttc	tgagcacatt	aaaggtaggc	taggttaagc	tgcaatgttt	97800
ggtagccatg	gtgtattaaa	tgcattttttg	acttatgata	ttttcaactt	atgatgggtt	97860
tatccggaca	taaccccatc	ataagtcaag	atcataagtc	aatctgtaat	tcattatgtat	97920

ataatgaaaa	tgctaatagat	tcttcctgca	tctctgagtc	ccaccctctc	agttaatagt	97980
tattaacatt	gtggtgtgac	attcatatct	atgtgcttat	ataaacatat	agaaataata	98040
gtttattttat	tttataaaaac	accttgagtc	ctttgtggga	aaaggtagga	tatgaagaag	98100
ttaaacaaaat	ggaaatgtgt	aatgctaata	atgatatcag	catagaagtc	attgtaaatg	98160
tttgggtgtct	gtttcatttt	tgatagctac	atgtgaagct	ccttgggagg	gctgaccttg	98220
gagcatatag	ctgagagcac	atgggatact	ctagcccctc	tgtcatttag	ccagtcaaca	98280
aggagaagtt	ttgaccttga	ctcttttgca	gattatcaaa	gacctgcagt	tgctgggggtt	98340
ggtggcagcc	ctgttgatgg	ctgatgtgat	cctgctcatg	acgtgggtgc	tgactgatcc	98400
catccagtg	ctccagattc	tcagtgtcag	tatgacggtg	aggggccaaa	tccctagaga	98460
atctcatccc	caaactggac	tgacctctgt	ggatacacag	gagtcatcct	tgcaacaaga	98520
agataaaagga	ctccaagagg	agggagagtc	aggagttgtg	gcttccatgt	aattcttgcc	98580
ctagtctgct	gccactccca	ctgctcctcc	tgcccagagtg	tctctttgtg	ggcatacaat	98640
gagatatcag	catgctggaa	tctgcctggc	agttctgcca	cttccacatt	atcaataatt	98700
aaaactttca	gctatcggca	gttaccttcc	cctaattgta	gagggtggagg	tagtagttta	98760
aggtggcctt	tggagtcagt	caaccctggg	tcaaattcca	gctctacca	gctcaccagt	98820
tgtgtgacct	tgggaaagtt	atgtaacctc	tctaagtctg	tttcctaatt	ggtaaaattg	98880
agataataat	actacctatc	tcatagggtt	gtggcaaaaga	ttaaatgaaa	caatgtaggt	98940
aaaagactta	accatgtcca	gtacatacta	ttcaattaac	aagaagtatg	gccgggcacg	99000
gtggctcacg	cctgtaatcc	cagcattttg	ggaggctgag	gcaggtagct	cacttgaggt	99060
gaggagtttg	agaccagcct	ggccaacatg	atgaaacat	gtctctacca	aaaatacaaa	99120
aattagccag	gcgtgggtggc	acatgcctgt	aatcccagct	acttgggaag	ctgaggcagg	99180
agaatctctt	gaaccagga	agcagagggt	gcagtgagct	gagattgcac	cactgcactc	99240
cagcctgggt	gacagagtga	gaccctgcca	aaaaaaaaaa	aaaattatta	tatatctcca	99300
gcctcacgag	gggctgagga	atacagtgga	atcatggaat	cgtgacactg	caagattaat	99360
gtttaaggat	tcaatgattt	gcaaaaagca	ggtgcataat	gaaatagttt	atagttttgt	99420
tgaggcacta	atgtgattgg	ggtagcaaaag	cacataaatg	aggggtaagc	cctagtgtca	99480
ccaagcacac	agctgttagc	ccaactttat	catctcttct	cctaacacgt	agtcactctc	99540
atthaggttc	tagtggagtc	acctaaatgc	tgcagttttt	acatactgag	ggggatatcat	99600
gtactctaga	agaattcatg	ctccagcatg	ttcacaaaga	tctgctttgt	gttcctggta	99660
attgtgggca	cctccagttc	tgactctgtg	tcccttctag	gtgacaggga	aagacgtgtc	99720
ctgcacttcg	accagcaccc	acttctgtgc	ttcccgggat	tccgatgttt	ggattgctct	99780
catttgggga	tgcaagggtt	gtaaccacat	ctgatatggt	ctctgtcacc	aagaaaatgg	99840
atatgaagag	ggaattacag	gaattaacga	ggtgatgtct	gcaaagaatc	ttgaactcag	99900
aggagacctc	tgttgatgca	taaacttcaa	agccatgact	gtttttactt	ttctattttgt	99960
atltgtttgg	gggagaccct	ccaactcttt	agactccctc	attcagtcct	cccccaaatc	100020
atctggaatt	caccactgt	ttctcctatt	tattggtctg	gtttcttaat	tgatttgaca	100080
ataccagttt	tcccttcac	ttccctgcaa	gaggaattat	gaggagaaat	ttgaccagc	100140
tttattttgt	ctcctaagt	cccttattat	gtctcttggt	ttttcttcaa	gatttgggcg	100200
aagggtgcct	ggtgcctttc	acccacctga	ctttctccct	ctggttggaa	gcaagactgg	100260
ctctgagaca	gatggcagca	ttcacagggc	cctttgaggg	gttccacctg	tctcacagt	100320
tctcccatat	tgcccaaat	ctctcaccat	tagactcatt	tgtctctgtt	agatgggcaa	100380
aagtagaata	ttattttccag	aaggtagagg	atacctgcat	ggagcactga	ggatgggtcct	100440
cagaacagga	cagctgggtt	tcagcttagg	gagacagaga	actggtgctg	aggggtacag	100500
ggcagtcctg	attccataaa	caagcaagtc	ctgcctgaca	gcagactacc	tgttgactat	100560
cagggcagag	agttctgggt	gactgattac	tggcagagga	aaaggaggag	ttttttaga	100620
aataagtacc	ctttaagggt	aaactctggc	cgggcacagt	ggctcacacc	tgtaatccca	100680
gcactttggg	aggctgaggt	gggtggatca	cttaagggtca	ggagttcgag	accagcctgg	100740
ccaaacatgg	tgaaactctg	cctctactaa	aaatatagaa	attagctggg	tgtgggtggta	100800
tgcacctata	atcccagcta	cttgggaggc	ttgaggcagg	agaatcactt	gaacctggga	100860
ggcagagggt	acagtgagcc	aagattgcgc	cactgcactc	catcctgggc	aacagagcga	100920

gactctatct	caataaaaaa	aaaaaggggg	ggtaaacttt	accactttca	ccactaagaa	100980
agtattagaa	gttgttgctt	gtgaggaaca	ggtttagggg	taggccagac	tagggcaggg	101040
aaacattcct	ttttaactat	gtgcaaatat	tactttgaca	gaaatatatt	ttaaaaagaag	101100
actctaggaa	gtgaacagct	cttgatctcc	agaatcttgc	taatgggttaa	aaaaggagct	101160
ttagttgtga	cagatcaggg	tttgaatctg	actccgcccc	tggctagcca	accctgagcc	101220
tcatttaacc	tctctgagcc	tcagtttcca	aattttaaaa	tgcggatgat	gataatatcc	101280
cctcagaact	gttctgtctc	taaagagtta	atgcatgtta	agagttttca	gccgctcctg	101340
gtccatagca	agagctcaat	aaatgttaga	tattattatt	actattcttc	cactgcccc	101400
tagacacttc	tggaaaatac	attgcctctg	ttggttcctt	gagtcctgt	agaagagtgt	101460
gtcctcccta	gcccagaaaag	ccagcacttc	ccccatagct	acttactttg	tgactcaatt	101520
tgattttatt	tctccattgc	cttttatata	ctctcatttc	cattctatatt	tactgtaata	101580
tctttctgta	ggaaaaagaa	ggaaaaggat	ggagcatcag	gaaacttact	gagccagacc	101640
ccatagactc	cctggtcagt	gagaagctcc	tcaggaggac	cccaatctcc	acattgagtc	101700
ctaggacccc	tgctctctgt	caactgcccc	ctacccaca	cttctcagca	gttaaggcca	101760
gtgatatgca	aggatcaa	atgactcact	cagacaccag	ccaggaatgt	atagacactt	101820
gattcacacc	catttcccc	ttaacaagaa	ttttaatgga	attaaaaact	tttagtgga	101880
tcatatctga	acatttcaaa	atcacagaat	taatttcatt	tgctttttat	taaattagca	101940
atgatccaac	tctgctgaat	accacctgat	ggcgtcagtt	acccaaaagt	tgggcttccc	102000
tggctcctg	acttatgtgt	cctctagtca	ttgaagatct	caggggtggcc	acatttggcc	102060
ttcaggcccc	atttgggaca	ctgggcatta	ggggaacctg	gaaggatatct	cttccatgct	102120
gactccttcc	cttctggcac	agccagttct	ccaaaatatg	ttcttttagtg	tcacccatga	102180
aggtggagtt	gaccacgtca	tatgatattga	gggtcaccag	caggtgtcct	gctgatacct	102240
gactttatatt	tcattattag	ttctccctct	gaatcccaca	gtcccacccc	cacctcgtct	102300
cccattggcat	cttcacgttc	tgagtcatca	acatgaacat	ttttaggctg	ggcgcagtgg	102360
ctcatgccgg	taatcccagc	actttgggag	gctaaggcgg	ttggatcacc	tgaggtcagg	102420
agtttgagac	cagcctgacc	aacatggtga	aaccccatct	ctactaaaaa	tacaaaatta	102480
gctcagcatg	gtggcacaag	cctgtaatcc	cagctactcg	ggggctgaga	caggagaatc	102540
gcttgaaccc	gggagacgga	ggttgtagtg	agcagagatc	atgccattgc	acttcagcct	102600
gggcaacaag	agcgaaactc	catctcaaaa	aaaaaaaaaa	agaagatttt	tgtgcttacc	102660
ttaaatctac	ctaccagacc	aagtgttaaa	agccaggacc	atgacttctt	tgtgtcacta	102720
ttttctgccc	tacacgtact	atggcactgc	acacatagtc	agaaagggtga	acctaattga	102780
atctatgtgt	tatgtattat	tgactaaagc	tttgatttct	gtatgaatgc	agctcctgtg	102840
gagggggcag	cactttaagg	tgctatgagt	tattttctcc	ttagtacaaa	tgacaactct	102900
gagagcaggt	ttatattcat	aggaaagaga	acagaatagg	gccctggggt	ccttgtaggg	102960
gagcaagaaa	tgtcacaaaa	agggtgagaa	ctatagatgg	agctttcgct	gtctgtgcct	103020
gccccacagt	cttgctggg	tcccagcctg	cctttgttct	cccccttttt	tacccttcat	103080
ctcccataaa	cactcactgg	catggagccg	ctgctagcct	gtagagatcc	tttggtgtaa	103140
ttttttgaag	gcccattccct	tctagtca	tgcatcttg	caggtgcaag	gcttggcaag	103200
cagatggtgc	ctttgggcaa	attagagaaa	agagccccct	cctatgggca	ctaccctggc	103260
tgtggcacat	gacttgacaa	gcagatcaga	ggtcactttc	agcttccctg	tgaccctca	103320
gctttgagca	gggcaacacc	agacaatggc	tgtggttagca	ctcactatca	gaggttctgt	103380
gggcccactg	tcctccaagt	gccaacagc	tctttctgta	gggatactaa	cccaccaca	103440
tgatcctgtc	ctatgccttg	tctcagaaga	gtcttattta	atggctgact	tgctgacttc	103500
tgataaacta	attctcagca	aaggagagga	aaataacatt	tattaagtat	ctagtaggta	103560
taaggggctg	ccctgagggt	tttcttatgt	gatatcttag	taaatcctca	tagcagtcct	103620
taaggtaggt	attattatcc	taattttaca	gatgaggaaa	ttggttgcaa	acctactgct	103680
cattgacctc	ttgttccact	tctctgagcc	tccgtcacct	cttcaccccc	cagggctctgc	103740
tcctgctgta	tgggtgcctac	ctggctggcc	tgactggcca	tgtcagctcc	cctcctgtga	103800
atcagtcctt	aaccatcatg	gtgggggtca	acctccttgt	actggctgct	gggctgcttt	103860
ttgtagtcac	cagatacttg	cattcctggc	ccaacctggg	ctttggactc	acatctggag	103920

ggatctttgt	ttgtacaact	acaatcaact	gcttcatctt	cattccccag	gtatggattt	103980
tgcagggtg	gtcctcttag	tcactctaga	gtttttcact	gacaaattgc	tcattttgtt	104040
ttctactgat	acctttccat	gccacttatt	ggagagtcag	aaagcagaca	ggggatccta	104100
gtgagctggt	tgcctttgtc	ctttctcact	gtcctgggtca	gcaaggggga	caaggcagag	104160
tggccaagc	agtgggtggca	gccccgtgtt	gcactctttcc	acacctgtgg	tgctgtctcc	104220
ttgggggggc	tgccctcgag	tcctgctttt	ccatccaccc	tctgggtctgc	tgactctggt	104280
ccccatcctc	ccctcatttc	catcatgtta	ttactatttc	tttcactagc	ctgggagcaa	104340
ggaaccttta	tattttttcca	attgggggatt	gcagactcac	aggaaaaaat	ccatttagat	104400
ggaactttat	gatttaaaagt	gctttctctt	tctttttatt	ggaggaaaaat	acagaacatt	104460
tctctgcttt	ttacaataag	gagaggtaga	aactaaataa	aaatatgttt	catattatgg	104520
ggattttaaa	aaatcaaatg	agggaggaag	acagaagcag	aaatagccag	atagcaaaga	104580
agaaaggtag	tcagaggggaa	cagagaagga	atcctaggct	cagaaagcaa	ggggatgtgg	104640
gattgttcat	gctacaccct	ggggaccatc	aagccacata	tatctagggt	aatgaacttg	104700
gcactaggta	ctttcttgtt	tccctcctag	ttctcctttt	cttccctctg	agacctccct	104760
catcccactc	ctccttcaag	accctgtcct	gattcccatt	gcaacttcca	gttgactgta	104820
aactaattcc	tcgatgatga	gctaactgat	aatgtaagt	ttggctgatg	gcacgttaca	104880
gtgtatttgt	gaaaagggaag	agtgcacttt	gggtcatgat	ggtatgacat	gggcatagcc	104940
ctgttacgat	tcttctctat	cacaaatcct	cattacagta	ctcaacagaa	tacataaata	105000
tggaaaaatc	tgtagcagca	gcactagaaa	cgatggatgg	ctattgcctc	tgtgccagaa	105060
actggaggaa	tttttgccaa	atcttaatgc	cgtaaaaact	ggaatgaagg	aagccattta	105120
gagctgaggc	ttgtttgtct	gggatgaggc	agaaatgggc	tctgagaagc	aaggactgtt	105180
tctccctggg	agaccggggg	cggggcgggg	gtgggtgggc	aggggtaagg	gtaggcaggt	105240
gccttttggg	aagcccaccc	cttaggccct	gcagccaata	ttgttggatt	ggtagcgatc	105300
aacaatgcag	agaactggtg	ctgaagggtg	caaggcagtc	ctgattccat	aaacaagcaa	105360
gccctgcctg	acagcagcct	acctgttgac	tgtcagggcg	gagaggcctg	gttgactgat	105420
tactggcaga	ggaaaaggag	gagtttttgt	agaaataagt	accctttaag	ggtaaactct	105480
ggccaggcac	agtggctcac	acctgtaatc	ccagcacttg	gtgaggctga	ggtaggcgta	105540
tcacttgagg	ttaggagttc	gagaccagcc	tggccaacat	ggtgaaactc	tgtctctact	105600
aaaaatatga	aaattagctg	ggcatgggtg	tgcacgccta	taatcccagc	tactcgggag	105660
gctgaggcag	gaaaatcact	tgaaccggg	aggcagaggt	tgcagtgagc	cgagattgcg	105720
ccactgccct	ccagcctggg	caacagagct	gctaaccctt	ttcttccttg	cttgctgca	105780
ctatagagac	agcaacagct	agactcttct	tttgccagct	tcccatagag	ataggagtgc	105840
ctatatgaca	ccattttgaa	cactagaggt	tttctgagaa	gcttctgaga	aagcttttgc	105900
tttcttgaaa	aagggtataa	gcatggctaa	catcacctt	tttaccttct	tcctgccttg	105960
aatgtatgtg	attcctagag	ctatggcagc	tctcttgtga	acataaggaa	aagactaaga	106020
gaatatagtt	ataatactag	gaagatacag	ctctttccat	gtaagattat	aaattctgga	106080
ggaaatgatc	tatgaaggga	atctgcagtt	cacaagaaga	ggactacaaa	tgtctaaaga	106140
tttagagaag	ctgccttcct	ctggagtaga	agtgtttaga	agataccgga	cttgtaata	106200
gaattcaaa	gatattgtct	cttctcaact	aaagcaaaact	atcatgaaaa	aaagctaata	106260
ttaataaaa	attgaataag	gattaaaaaat	atggtatttaa	atttaaaaatc	ccaatagaag	106320
cattgactgg	gcaattagac	actacaaaat	attgaattag	tgaattactt	taaggaaaca	106380
gaaaataagg	aaacaaatga	gagactagat	aagaaaatat	ggaaaatggc	cagatgcagt	106440
acctcatgcc	tgtaatccca	gcattttggg	aggccgatgt	gagcggatca	cctgagggtca	106500
ggagttcgaa	accagcctga	ccaacatggt	gaaaccccat	ctctactaaa	aatacaaaaa	106560
ttagctgggc	gttgtggcat	ccatctgtaa	tcccagctac	tagggagact	gaggcaggag	106620
aatcgctga	acccaggagg	cagaggttgc	agtgcagcaa	gatcacgcca	ttgcactcca	106680
gcctgggcaa	caagagcgaa	aatctgtctc	aaaaaataaaa	ataaaaaagaa	aaaaataaaaa	106740
tatggaaaac	atctaggaat	acaattgaga	gctgatagga	gtctctgaaa	gagaacaaaa	106800
taatttgggg	cagaagtcat	tatcaaagag	ctatcagagg	aaaatgtttc	tgaacaaaca	106860
aagccttggg	cagaaaactg	aatgaattgg	caatctccat	gatggcgccc	tgcttactgc	106920

tcctctctcc	atcctcacct	ctcaccactg	cccccttgca	tcgtaagcct	cagccacatc	106980
acttccccctt	tgcttggtgt	ttgagtcctc	agcagctagg	acaattgtga	catctgggta	107040
ctctacacac	aaaaatgcag	aatgaagtgc	tgcttgaaat	ctgccttcca	ggttttcact	107100
aagcaacaaa	cacttgattt	gttgaattgg	gaatggaaat	ggaatgatta	tgaggtacag	107160
gaattgggtg	gatggactgc	actggccttg	ctttccttct	atctcactcc	ctctttccct	107220
cctagctttc	ttaagcttcc	tttctcttac	tctgtctttc	ctcttccatt	ttctcccttg	107280
tgtttttttt	ttttctcctc	tggaactaac	tgaccatgat	gtgaaactaa	aaaatatatt	107340
ttgtagtctg	ttgtatttta	ggtttagatg	gtaagtagtt	ctttttcaaa	atataaaaga	107400
aactgaggtt	tgtaggtttt	ctgtgtgttt	ccctctggct	ccgaggtctt	tggtagaaga	107460
acgattctcc	ctgtgatact	tgcactgtgt	attcctagaa	gataatttgg	gaaagtaatt	107520
tgagtaaaatt	tgggaaagtg	ggtgagggga	actatctggg	taagggttgg	gggttgtagc	107580
aaaacgggggt	tccttcttgc	cagttagctt	tcagacatga	ctgtgatggg	aggagtttgt	107640
gaaagcaaaag	gcacagatac	ccccagggca	gcgaggcagc	gccagagagc	gggtgaaatg	107700
gatgacatta	ctaaggagac	aaggggcccc	agaagccttc	tttacacagg	cactcaggaa	107760
atgcctgagt	gtttatgcc	agcactgagg	tcactactag	aagtcagcca	gccgctgctg	107820
ttctgacctg	aatatgaccc	atcccccagc	cctctgtctc	ctcagagagg	caggcaggtc	107880
ctaaggtagg	acattgtttt	ctctctcctc	taaccccgaa	agcatttcat	ctgctcctcc	107940
ctgaagatgt	gcaggccttt	ctaactctgcc	ttataattat	atgtatatgt	cccagcaccc	108000
ctactagacc	agttagcatt	ttaaagaaaag	cttccttcat	ttgttcatgc	atgcatccat	108060
ccatccactt	attaactgct	gggtacatgc	acttaaacac	agagtccgcc	tctaggtcta	108120
gtggggagca	aacatgaaaag	gaattatcat	acatgtgtta	agagctttga	gaaaggcctt	108180
ccccagccca	tctgagaact	cagtggcacc	ttctcagaaa	atgaggctgg	gcatggtggc	108240
tcattgcttat	aatcccagca	cttttcaagg	ctgaggcggg	tagatcgctt	gagcccaaga	108300
gttcgagagc	aacctggtca	acatggtgaa	acctggtctc	tgcaaaaaat	gcaaaaaattg	108360
gctagacgtg	gtggctcacg	cctgtaattc	cagcagtttg	ggaggacaag	gcgggcagat	108420
cacgtgaagt	caggagtttg	agaccagcct	ggccaacatg	gtaaaaaccc	gtctctacta	108480
aaaatacaaaa	aaattagctg	ggtgtggtgg	cgggcgcctg	taatccagct	acttgggagg	108540
ctgaggcagg	agagtgtctt	aaaccgggag	acaagggttg	cagttagccg	agattgtgcc	108600
attgcactcc	agccagagac	agagttagac	tgtctcaaaa	aatataaagc	aaaaattagc	108660
caggcatggt	ggtgcatgcc	tctggtccca	gctaccagg	aggctgaagt	aggaggatca	108720
cctgagccca	ggaggttgag	gctgcagtga	gctgtgattg	tgccactgca	ctccagacag	108780
agtaagaccc	tgtctcaaaa	aaaaaaaaaaa	agaagggaag	aaggagagaga	gggaggagg	108840
gaaggaggga	ggtaggaagg	aaggaaggaa	ggaagatgag	gtgttcgagc	tcagtcttga	108900
aggaaacata	agagttcatt	gaagagatgg	gggaaagtag	gtggcatttc	tgatggaata	108960
acatcatgac	cagaggcagg	gaggctagaa	agagagtagc	gtatgtttgg	agcaccatgg	109020
tctttgttat	ttttgaagca	caaatggaaa	ccagggggag	aatgacagga	ctggggagag	109080
acacacctgg	ggagcttctg	aggccctgct	ggaccctgtt	aaagagttga	catttagtcc	109140
caccatatta	gtttccctact	gctgctataa	caaatccca	caagcttagt	ggcttaaaat	109200
aatacaagtt	tattatctta	aaattttggg	ggtcagaaat	ctgaaatagg	tcttatttgg	109260
ctaaacttaa	ggtgtcagga	agtctgtatt	ccctccagag	atgcaagggg	agaatctgtt	109320
tccttgtctt	tttcagcttc	tagaggccgt	ctgcattctt	gtgcttattg	tccccctctc	109380
caccttctaa	gccagccagg	ttcaaactctg	ccagaagaga	ttcaaactctt	tctctctctc	109440
gcccctgttt	ccattgtcac	atctccttct	ccaactctgg	ctctcctccc	tccctcctat	109500
aaggattctt	gtgattacat	tgggcccact	tggataaccc	agaataatca	cccccttga	109560
aatccttaat	tacatttgca	aagtcccttt	tgccacataa	ggtcacatat	tcacaggctc	109620
caggaattag	gatgagagag	aacatctttg	agaagccact	gttcagtctg	ccacaccccc	109680
atagcccaga	ggctcagaaa	accagaatct	gcctgtcctt	ctggagggaag	gcagaggaga	109740
ggccctgaat	tgtgaaattc	atagctggat	tccagaaacc	ctgaagggtt	gagccttaag	109800
gagtatcttc	acaaatgagg	aatgaagggc	tagagtaatc	aaggggtatc	ttggctccac	109860
ttggccaatt	tagagacagg	aagacaaaaa	gccctggggag	ggcccttacg	ccagtgtctga	109920

gctgctcctc	tgccagccct	gcagagaggc	ctcagtctgg	gagtgcctggg	ggagatgaag	109980
gaaaagctgt	actgcagcac	tgccagggtc	agtgtgagga	gaataaccct	aggaggctctg	110040
attcatccac	ccaaggccac	agatgacctt	gtgttggttg	ctccagtagc	tcccaagtag	110100
gatggtgagc	tgagagcatc	ctttcgtggg	gagggggcct	tcaagaaggg	catctgagag	110160
gggagggtacc	aggcctgacc	caacacagggt	cacacagact	cctgggtgcga	tgatggactc	110220
atgatgagtc	agcagaggac	ccaagaggac	ttgggtgata	atatcaattt	cagtggcatt	110280
gaaattgatg	gcaggattca	gaatcctatc	tgagatttac	aaaatttggt	ttacactcca	110340
tggtcggagc	ttaacaaatg	tttgatggat	gagtaaagaa	atcccaggat	ccctttgagg	110400
ctacccatag	acactgcagc	atcattttcta	gaatcaaggt	cccagggtcc	ccagtgtcca	110460
tcactaggac	acttagttat	ggggattcct	gagaggaaaa	cagaggcctt	ccccactgtg	110520
gcttcctgcg	tcactcacat	tactgtcatt	cgggtgggtca	gcagtacccc	acagactcag	110580
gcagaggctc	ctgttttctat	gttcagcttc	attcctgtta	aactaaacca	gccccatgctt	110640
ctgcagagtg	ttcctcaaga	ccagttttctc	ctgaagagct	ttccctggac	tgccaccggt	110700
aacagtctct	ctcttcatca	actgagttag	gacacagaca	tggcacagtg	tcctgcttac	110760
agctgttggt	ctgctgctaa	gtggctgtgt	aagcttagac	acaacactcc	tgagcctttc	110820
ctagtttgtc	aaagaaactg	ggtgatgagc	tagagcatcc	tgatgtgact	agggggcttc	110880
cctcaaaggc	tctctgagcc	ttgattattg	acttgggtta	gaagttcacc	caaagggaact	110940
gaattttcaa	tagcagcaag	cacattgtta	ctgaacaaat	gaaaaataat	taaatagctg	111000
catgcaacga	gaaagtgtca	tttgaaactt	atagtgttca	ggttgcttaa	ccccaggata	111060
gctcctaact	ctggcttttag	aatgtgggtg	tagaagatac	ttcagctctg	gttttctttg	111120
accagtttgg	caatgggtag	gcagatgggc	taaggctgtt	ctattttatc	tacctgtcct	111180
attcttcctt	tggaaatttg	tgtttgtttt	taggggtgtt	tgggtttttg	tttttttttt	111240
ttaagattgg	gtctcactct	gccacccagg	ctagagtaca	gtatcacaac	aatagctcac	111300
agtagcctga	aactcttgag	ctcaagtgat	cctcccactt	cagcctcctg	agtagctggg	111360
attataggag	tgagccattg	cacccagccc	tttggcattt	taaaaattat	ataaccttaa	111420
cattttgtat	aattacaaaa	ggtaaggacc	ttttgtcatt	accatctttg	agccctccag	111480
agcaaagtac	attttaagga	gagaatagct	tgcgcatgtg	tgtatctatg	atagtgtcat	111540
tccttggtgt	ttatgagaaa	gagttagaga	gtgtgtttct	ggatgtgtaa	ttaaataaat	111600
aacatgtgtt	cttttatcta	acagctgaag	caatggaagg	catttgaaga	ggaaaaccaa	111660
acaatcagac	gcatggccaa	atatttcagc	actcccaaca	aaagcttcca	taccagtat	111720
ggtgaggagg	agaactgcc	cccaggggga	gagaaaagct	ccatggagag	gctcctcaca	111780
gaagtaagct	ctgcccctgc	ctggaagatt	ccctgtaaaag	gatccaatca	tgcatcggtg	111840
gcccccaagg	ctcttattgc	tgatgttctc	ttttcctctc	attctcccac	ttctcttaac	111900
agcaagcaaa	acctcaccat	ttccaccgtg	acacgcatct	acttcattca	ttcagtggac	111960
agatgtataa	tgagtcactc	ctatgtgcc	ggcattgtgc	cagtgaacaa	tgaacaaaag	112020
catggttcct	accctcacag	agctcacagt	ctagtgggaag	aaatagagat	tcattcatca	112080
agcaaacatg	taattataca	ttgtcataag	aattatgaaa	gaaaaatcag	agtggttaaga	112140
cagaataatg	tgtggtaagg	gcaagaaaac	ataacttaga	ccagtacaga	aagactcatt	112200
gagctgaggg	ctgaagggtta	agtacaaaatt	agccaggcaa	agagtacagg	gaaaagtatt	112260
ccaagctgcg	ggaacagcat	tgtaaaggcc	ctgaaatgtg	gtggacacta	gcttccctgt	112320
gatacatttt	ctctcttttt	tttttttttt	tttttttttg	agatgaggcc	tcactctgtt	112380
tcccaggctg	gagtgcactg	gtaccatctt	ggctcactga	aacctccacc	tcctagggttc	112440
aagcaattct	cctgcctcag	cctcccaagt	agctgggact	acaggcacc	accaccatgc	112500
tcagctaact	tttgtatttt	tagtagagac	ggggtttcac	catgttaccc	aggttagtct	112560
caaactcctg	acctcaagtg	atctacctgc	cctggcctcc	cagggtgctg	ggatcacagg	112620
tgtgagccgc	cgcgctggc	ctcattttct	ctttttacat	agagtagtgt	cttcatgtcc	112680
aagatctcct	ggggtcctta	ctgtctttcc	cagggtactg	ctacagatct	caatcagccc	112740
atcatcccag	aaagtccagg	catgtctaca	gatggagaag	gggactaaac	aagggtttct	112800
gaatgtgatt	gtagcaccaa	gggagaatga	ggcagctccc	ccgggcttct	ttcttctgta	112860
tttgagccag	agttggcccc	tctcccagac	ttgggcagtg	tgatgcaggc	atgaagaaag	112920

cacgtgga	aa	gg	ttt	ga	agg	cttc	gtt	gac	tcagga	agaa	ggcac	agggc	ccagggg	ag	112980
tagtcag	tat	ttt	gac	acta	actga	aattac	attcc	atatt	ttttc	agttt	agaac	ctatc			113040
tcaggagg	t	ttatt	ttg	aa	aact	ggg	ctt	ttttt	ttagg	actg	ctgc	ct	aggtat	ta	113100
agtccct	gat	gagag	gatag	tgt	gg	tggg	ggg	accta	gaaaa	caca	acagat	gaagg	gactc		113160
agcacac	cca	ggcac	ccacc	gtt	cat	gccc	ctct	atgg	tt	ctgg	accatt	ttt	gtcc	atc	113220
agagta	acac	ctct	ccatt	ctt	tact	att	aag	tatt	tca	aagc	cagatt	tct	ttcc	acc	113280
tggcaag	gga	gta	atatt	gc	ctt	t	gata	ct	gtga	agtc	ttcaa	ataag	catt	tttt	113340
tcctgg	ctac	acaga	agg	gcc	agaa	act	tgg	ctaga	acagc	cagg	atag	tt	catt	caca	113400
gtcag	ctgat	gct	gga	acag	cca	agt	ggac	tgact	ctt	ta	gc	ctt	at	gg	113460
gtgct	gtttg	tact	tct	gcc	atg	ct	acc	ct	gtt	ccc	acg	cagg	gact	ca	113520
tccaaaa	aga	tgct	ttt	gag	ct	gcag	agga	agcc	ctt	caa	tggg	cac	agg	tg	113580
gtaaga	agct	ggc	ct	cccc	gtg	cac	gcta	cac	ct	gga	at	ct	ttt	cccc	113640
gagaaca	agc	ggc	cag	tcc	agg	gccc	gg	ggc	ag	gt	g	agg	ag	gt	113700
tccccag	ctc	cag	catt	gcc	cg	ttag	agaa	acat	gag	tat	ct	ct	c	ctgg	113760
tacagac	ctt	gact	ct	ggcc	cat	gg	tgt	g	ctt	cc	tgt	gcag	g	cc	113820
actcagg	cct	tc	ct	ctt	act	tt	ccc	gt	gat	ctgg	gcag	cc	at	ctt	113880
ctctt	gcctc	tata	g	ccagg	gg	t	cccc	cca	ga	ag	ct	gt	tt	c	113940
tatcact	gac	tt	cc	ctgt	ct	aaga	ag	gc	cag	acag	aa	ctt	cc	ac	114000
tgcttt	cctc	ata	cact	ctg	cag	cca	ag	ta	aa	ca	ac	ct	ta	tt	114060
atagaaa	caa	gagg	cta	att	cc	at	gt	ct	cc	ttat	gg	c	ctg	ta	114120
tggat	gtttt	gct	t	ccct	ca	ata	t	gcca	aaa	aata	ata	att	aata	ag	114180
gctg	ccgtg	g	tag	tcag	at	tt	cag	t	ctca	taat	gg	cag	g	gc	114240
ttagt	atgca	gcc	at	g	gta	aa	acag	ag	tc	cc	act	t	ctt	t	114300
ctgtt	tagg	t	gat	gtt	ct	aa	at	ct	gtca	cc	ag	cc	ag	ct	114360
tagt	atctt	ct	tata	ct	caa	agg	ag	ttt	at	ag	ata	agg	ca	aaaa	114420
ttcac	ccacg	ggag	tag	ttg	cc	at	ct	g	ccg	at	gg	gt	ct	ct	114480
gaggc	ctcca	gaag	ccc	caca	tg	aga	at	gtg	cac	gat	gg	g	tt	cag	114540
gaggag	gggag	ttg	ag	gtccc	ccc	at	gag	at	cct	cag	agag	at	gc	ctg	114600
tcacaaa	cac	ctg	ag	tgtt	ct	cc	tatt	g	ct	cat	catt	ct	g	ccc	114660
tc	atctg	cac	tcac	ccag	ca	ac	cc	cag	ac	ctc	act	c	tg	ggg	114720
ggagg	acag	g	cac	acat	gtg	ct	cag	ct	gaa	ag	t	ct	ct	t	114780
actg	gccctg	gact	ct	ctt	c	t	gat	gg	t	aaa	aga	ag	tata	tc	114840
aata	cca	act	at	caga	aaaa	tc	ac	ctt	ccc	aat	ct	taca	aa	ggg	114900
ggag	ag	ttg	ct	gaga	at	att	gg	act	at	ttt	g	ct	ta	ag	114960
catt	t	ctag	ca	act	ct	ccc	at	g	taa	ac	ct	gag	at	ca	115020
agtag	tc	cta	gtt	ag	ct	gtt	at	gg	ac	gg	ta	ta	act	agg	115080
cacag	gga	ac	at	ctt	ttt	gt	tt	ctag	gg	ca	ta	ata	aat	gg	115140
agct	c	taaa	gat	ga	tag	ta	aca	ag	agg	t	ag	cat	ttt	gg	115200
aga	ac	att	ctt	g	at	t	gc	ctt	cccc	ga	ac	cc	ct	ga	115260
gtcc	agac	gt	tcc	ct	gt	gaa	tat	ct	c	ct	ct	g	cc		115320
agag	at	ggac	ac	ac	ag	t	ctg	aa	gaa	tc	ag	ct	g	ctg	115380
gctg	cag	tcg	tt	cc	ct	g	caa	ccc	act	g	cca	ac	act	ct	115440
tctc	g	cag	tt	agg	ac	agg	ca	cac	ct	g	ca	g	ct	c	115500
ctt	gtt	tacc	ag	cta	ac	atc	cag	c	gag	tag	gc	ag	gt	cag	115560
ctt	c	gt	ct	cc	tgg	g	ct	ccat	tctag	gg	ctg	ct	ga	at	115620
acag	t	ctt	ctt	ctt	tg	ctt	ctt	ca	atag	tt	ctg	ta	tg	ctt	115680
agt	gg	tt	ccc	aac	att	ttt	tg	gc	acc	agg	ga	cc	act	t	115740
atag	t	gg	tg	gg	at	gg	tt	g	ggg	at	gaa	act	gtt	cc	115800
ctt	ct	cata	aa	gg	ag	t	gt	gca	gc	ctag	ac	cc	ct	cat	115860
gctt	ct	gt	ga	aat	cta	atg	tct	cag	ct	ga	gaa	g	ct	cag	115920

tcaccaccg	ctcacctcct	gctgtgcggc	ctggttccta	acagtccatg	gactagtact	115980
gggtccgtggc	ccaggagttg	gggacccctg	cttttaggtga	aatcaacagc	tgatattgcc	116040
acatggtagc	tttggccact	cactcccaga	gggtccagcct	agggaggtga	taacaccaac	116100
ctgagattct	ctttggcccc	tctcagctcc	aatcttattt	gattgtcaca	gaaatctcca	116160
cccttctcct	tgttcttccc	attttctagg	ctgttttagta	agaggcaaaa	tacttgttct	116220
cctacttctt	catcccctgg	agatatgctt	cacatttatc	taaatttttg	caaaagtgtg	116280
ataaactcca	agtgggacca	ttccaaacat	tattcagctc	atacctgcgg	agtggcctga	116340
ccctctcagt	tctgggaaaag	gtgagagggc	gctgcagtgg	ccagcaggca	ctcagactgg	116400
gcctccttgc	tcttcataag	caatgccgca	cagtgtgggg	atgtaaggag	aagaccaaga	116460
taatgacaat	aaatcatggg	tggcctttat	tgagcaccgt	ttatgtcagt	tattgtgcta	116520
gcactttaca	tgcatacaact	catttctactg	gagggaggca	cctccttaga	acctgaggtc	116580
accagccaat	acactggaag	aactgagatt	tcagccaagg	ttctttgaaa	gccacacctt	116640
ctccaccatg	gtgggcacta	tggaaacctc	ggcggcatct	tttgttgatg	gttttgcttt	116700
tattttacag	aaaaatgctg	tgattgaaaag	cctgcaggaa	caagtaaaca	acgccaaga	116760
gaagattgtg	aggctgatgt	cagctgagtg	cacctatgac	ctcccagagg	gggctgcccc	116820
acctgcctct	tccccgaaca	aggacgtcca	ggcggtagcc	tcgggtccaca	ccctggcagc	116880
tgctcagggg	ccttcgggtc	acctctctga	ctttcagaat	gatcctggca	tggctgccccg	116940
ggattcccag	tgcacttcag	ggccctcctc	atatgcacaa	agccttgagg	ggcctgggaa	117000
ggactccagc	ttctccccag	ggaaggaggga	gaagatatct	gactcaaaaag	acttttctga	117060
tcatttagac	tcaggttgta	gccagaagcc	atggactgag	caaagcctgg	gtccagaaag	117120
aggagaccaa	gtccccatga	accccagcca	gagtctccta	ccaganagag	gcggctcaga	117180
tccccagaga	cagaggcatc	tggagaactc	agaggagccc	ccagagcggc	ggtcacgggt	117240
tagttcagta	atcagggaga	aacttcagga	ggtcttaca	gatctgggccc	tgggcccctga	117300
ggcttccctc	tccaccgccc	cctcttgtca	tcagcaaacc	tggaagaaca	gtgctgcctt	117360
cagcccccaa	aagatgcccc	tctccaagga	gctcggcttt	agcccttaca	tgggtgaggag	117420
aaggcgggca	gctcagcggg	cccgtcaca	ctttcctggc	tctgcaccct	catctgtggg	117480
gcatcgggca	aacaggactg	ttcctggggc	acacagcagg	ctacatgtgc	agaatgggga	117540
cagccccagc	ctggccccac	aaactactga	ttccagagta	cgaagacctt	cttcaggaa	117600
gccttcacta	ccttcagatc	ctcaagacag	accaggtagc	ctggagggca	gcaaacaaag	117660
ccagacagag	cccagggggg	ctagagggag	caaagcagcc	tttcttcgcc	agccttctgg	117720
ttctggccgg	gccccaaatc	ctgctgcccc	atgcctctcc	aaagcctcac	ctgacttgcc	117780
tgaacagtgg	cagctgtggc	ccccagtgcc	ctcaggctgt	gcctccctgt	cttctcaaca	117840
cagctatttt	gatactgagt	ccagcagctc	agatgagttc	ttctgccgct	gccaccggcc	117900
ctactgtgaa	atctgcttcc	agagctcttc	tgactctagt	gacagtggca	catcagacac	117960
tgaccctgag	cctactgggg	ggctggcttc	ctgggaaaag	ctgtggggccc	gctccaagcc	118020
tattgtgaac	ttcaaagatg	acttgaaacc	cacgctgggtg	tgaaaagcaa	cagagctggg	118080
ctagacacag	aggtcagtc	aagagaagct	gtaccaaggc	ccacaggaga	agagccaatt	118140
tctggtcttt	ggggaacaga	ttagtgccct	gcatttgacc	agcccatacc	atgtttcagc	118200
taggctcact	gtgttacttt	gagtacttct	tgatctataa	aaagagaggc	attgcctgtc	118260
ctgttactac	ctcgcagcct	tactataaaa	gactccagtt	gagtgactat	gaaagacact	118320
gactccttgg	ataaaaagggtg	ctgaatgaac	acataggatt	ttctgtccag	gtcagcctac	118380
attctgtaaa	actcttaata	tattcagatg	gatggctgaa	tggacagaca	gatggagaga	118440
tgcattgggaa	atttctgtag	aacttgagggt	gtggactgtg	acccatcaaa	ctggcctttt	118500
gggtggacaga	cctaccagga	agataagtct	cctacatcct	tgggcctccc	actcctggaa	118560
ggcagtgggt	ttatttctgc	tgaatgttgt	gaacagcacc	tccttagatt	ccagcttctg	118620
gccagaccca	gctcagagcc	acccctacac	cactatttct	tgatgggtgtc	tttccaccat	118680
tatggcactt	taccctcctc	tctgagacag	atctccatgc	gcccgcaggc	ttcccagatc	118740
tctcccctgg	gatcggatgt	acctgagggtc	ctgactgtcc	ccactgtccc	cttgtcctgt	118800
ggctcatcct	cgattcaccc	actgatgcag	ttttgtactg	cggggaggca	cacaccagca	118860
atttctgttg	gggtatggga	gaacctgttg	gtcaagagtg	cttttgggtc	cattgggggt	118920

acatgactac	caacagacac	ataaacctgg	aagccaaatg	gagaaataaa	aaggaagaca	118980
cgagggacac	gaaaaacagga	aagaaaacag	gatttgaata	tttcacttga	gtccagcata	119040
gtacttggca	atatcatatt	tttgtgattc	cttttgataa	ccctgtgaag	tagacacttt	119100
cattttttaca	gacaaggatt	atgaggctta	gagaaatgag	gtagtttccc	gcaacatcac	119160
actgctggac	agagatgtac	acacagctcc	tgggactcaa	gtaggtgggt	tttcccaggg	119220
acacatggct	tcatgtgttc	ttctgggaat	ggcaggtgac	gcttggcaga	cgagacaaca	119280
aagcaaggct	catgtaagaa	agctgggatg	tgctccccta	tagtccagaa	taatagacct	119340
gggtcctcac	ctcaggaaac	gggcctccac	ttcctcactg	ccaaaggcca	cactggcacc	119400
tccaaggga	gctggggagc	tggatgaagga	tgagtgcgag	gaactcagcc	accaccagag	119460
ccacagggag	agcacacctg	ggctccactgt	gcttattgct	gagctggctg	tcatgtccag	119520
gctgtccctt	gccccgagtc	ctgtgtatac	atctgtgggt	gtgcacatgt	ttgcatgaag	119580
gaattcaggc	cttattaaat	attctcagag	gggggcattt	ggctctaaat	gtatcatcaa	119640
tttatcatgg	aatcttgggg	gctgctgaca	cccctggact	ctccaggcac	tgaaccatga	119700
ggccctcctg	gaagcacagc	ttcttctatc	atctactttt	aaacaggaat	ttcctaattt	119760
attctgtgca	tgggtttgca	gtttcttgtg	ctgtgtgtgt	gctgtccaag	tggtagcata	119820
ataaaaagaga	aatgactccc	gagaggagtc	ttttcagaaa	ctgtaatctg	gggctggcca	119880
ggagggggccc	ggagaaggct	gacccaccca	aagaagggga	accagagaag	ccatcagagc	119940
tgctgccggg	ctaccctggg	tcccagtgtg	ccttctacca	aagttccatt	tgaacagatt	120000
cttctgtgtt	ctccctaaga	agcctcttat	cccagaaaca	ctccctcaat	ggacatagga	120060
aaccctggag	accctggact	cttctgccc	ctgggggtcc	tgtggctggg	ctccccctcc	120120
tgtagctccc	ttcctcccag	catgccacca	ctagcagccc	accattcatt	catgtggact	120180
ctaaatctgg	caatccttct	agccttctca	ctctgtctgc	ttctagaacc	ttagtccac	120240
catccccgcc	cttctacatc	tccatccttc	tgtttagaat	tttttttccc	actttgtgcc	120300
cttgtgaatt	attcatcctt	caaggctcag	gtggagcata	cattctttct	tcaacctttc	120360
ccagccatcc	ccaaagaaaag	ctgattgatt	ccctagttaa	ataaggaagg	atgggctgga	120420
agcagtggct	cacgtctgta	atccccagcac				120450

<210> 8

<211> 120438

<212> DNA

<213> Homo sapien

<220>

<223> Wild type GPR156 isoform 2 genomic DNA

<220>

<221> variation

<222> (117154) .. (117154)

<223> n is a, g, t, or c

<400> 8

ggggaccgtg	ggcgtcctgc	acatagcagc	gggcttggcg	cttctcggcg	gtccgacgct	60
gatgaggatga	gcacagcgac	cttaaggatc	cacaaaactt	caaacactta	attattaagt	120
gaaagtggaa	agggggaggg	gctttctctc	cctttccaga	atctgggcag	tttgtttgga	180
accggtaaaag	aaactctcat	aggaacttga	ggtgagcagg	ggtcacgcat	cagggatgcg	240
agtggcaatt	tcagtgggaag	agacggggaga	gtactgtaat	ttggtgtgaa	gatggggccg	300
tgggttttct	gctgaataag	cgaccggctg	tgctgaaaat	gagagatccc	gaaacagttt	360
cccaccgcct	gtagactttc	cagagtctcc	tcacgccgaa	tctgctttgc	agggcatgtt	420
cacccccagg	gtgtagagtg	gcgggcacga	tgggctcccc	catggagatt	gcaaagtcct	480

gaaaagggac	aattgtattg	cactgcgtct	gttgaactgc	cttgcttctg	ggcatgaggg	540
agtcacctgg	aagctgcaac	atccttgtag	cctggcaagc	agccctttcc	aagttagctc	600
tgtcagaaac	tagaggcctc	taggtagaac	tcaaggatc	catgtactcg	tgaagaatac	660
aaaccttgag	gtttttaaaa	tcgaattttg	ttaagatttc	aggatagaaa	tctgggaaga	720
gaagtcattg	catggcataa	cttaccctct	tgtagttttt	ctaggtagat	gcatgcttga	780
attagaggta	aatgatgccc	tagcctatca	taaaatgtct	ttcctgggtg	agttctttta	840
accagaatat	ggaggataac	attacatttt	tgcatcctag	ataaaaaggga	aagattttca	900
gatggggcct	acacagcggg	agaaattggt	gatatagttg	tattaggcag	caaggcctgc	960
aaagaaaaac	ttctttttct	ccaccagtgg	ctgaattctg	cacagaatgt	ctcctcgag	1020
tctgggtagc	agcccggcct	gcaaaaacag	tgcttctttc	attgctgcag	gtggggcaaa	1080
tgcgcttgcg	gataaatggc	tggggaagcg	tttgcttaca	ggttaaggca	atttgagtct	1140
ggagaataaa	gtgcttttag	aggctgtgct	tgagttaggt	gtcccttggt	aggaatagag	1200
gtggctttct	gggtccccatt	ttgccagcct	aattccccct	cagggacact	actgtctctg	1260
gaatgttccc	tctgtttccc	cttctcttcc	acccccagct	tttagcttct	ccccattccc	1320
cagtaaaagtc	tagaattgag	cctggtcaga	gtcaaagtgc	tgatagccta	gggatataga	1380
acttcaagcc	tggtgaaggc	agaaatgaga	cctaggagag	acccaagatg	ggtgagatga	1440
aacaactttc	agcctagaag	gctctcaaaa	gagtggaaaa	ataatgattg	agggaaacag	1500
attctctgga	aaggagaata	ggtgcttaag	tgtttgtttt	cagctgaggg	ttttaatat	1560
tccatttttg	ttgtttaacc	ataagggaat	ttccattata	gggtaggagg	aggatgaggc	1620
cttctctgaa	aactgcatcc	ttctccttga	atttgcatct	tattccattc	ttatgtaggt	1680
ttcagagatt	aattggggga	agggggagag	aggaaagaag	ccagaggctc	tgacatgctg	1740
cagaaacagt	gcaacgtgga	ctgacttgga	ctgcaaaggt	ggatttgggg	gttgaaagaa	1800
atgttctaca	tttagttgaa	aaaaaaaaat	cagagccttt	attttgcaaa	ggtcttgaga	1860
atcagaacat	tcatgtttag	ttgctgatga	attttgcctg	ataaaggatg	caaatcacta	1920
tctcaccttt	ttttctccag	tactttatta	tgaaaaattt	tagacataca	gagatgtttt	1980
ctacctctca	ttttataaac	ttattatctt	aaaacaaact	tgtaataaaa	aatcagtgtt	2040
tagaatccag	acatatgtga	tctggtcctg	gacagagctt	gaatcagaag	gtgtttcaaa	2100
tatagatgtg	tgaaggatat	taacatttta	agaaaaaaat	atggatctta	ttcttctgac	2160
tttcccataa	gaatcttgag	cagaccctct	aactgccttc	tttttcccat	tcttaaaatg	2220
tcagtcagtt	ggatgatatt	actctcctgc	ttaacaccct	ccaatggcct	cccccacac	2280
tgtgaataac	attcaactct	ccaccagggc	ttgtgatatt	gtctgggtgc	ctcatattct	2340
atggccgtcc	tcttgcttac	catcgtcctt	gctcttccct	ctgcctgaac	actcttcctt	2400
cagacactgc	cactgcttct	tttctcagct	cattccagtt	tcttttcata	ctctccagaa	2460
tgatggccac	ctgatctaaa	acagcctgtg	gtcactccct	gtcttctgac	cctgctttat	2520
ccttcttcat	ggcacttagc	actccctgac	actatatagt	atatgtgttt	ccttgttaat	2580
tgggcatgtt	ccccactcta	atgtaaactc	catcaagaca	aggaattttt	ttgtcttatt	2640
tatggctgtg	ttcctatttg	gtatattatg	agcaattaat	aaataactgt	tggattaatt	2700
aggtaactaa	attacacaaa	taaggcattg	actcccataa	gggtggcaga	acccttggtg	2760
aaataactaga	agtcctttga	ggtaattcat	aattcaagtt	aatcaatatt	tgataggtaa	2820
atgatgaccc	tggagatcag	tggcctcttt	tatcctcaca	gcacttctca	gctgaatcct	2880
atgctaatag	ctggccagtt	ttgacaaacc	cacatcccaa	acaagacata	aaatatttca	2940
gtcacagaac	ttttcttcac	gtctctttct	agtcacctcc	acccacacaga	agcagcaaac	3000
cttgcttctga	tttctaatat	catagattag	tggtgctggt	tcctgaattt	catataactg	3060
cagttacaca	gtatgcactc	ttgtgtttgg	cttctttttg	ccctacacaa	tgtctgtgat	3120
attcatctgt	gccattgtgt	gtatcagtag	ttcatcttct	ttttttccaa	ggtagtattt	3180
attgtatgaa	tattgaccat	gtgtttatct	gttctcttgt	tgatagatac	ttgggtgttg	3240
ccagtttgtg	gcaattttga	acaaagctgc	tgtgaacctt	taaagggtct	gcctcatctt	3300
gagtccttct	tactttatat	gaaaatcttc	cttgtgccac	caatgcagag	agaagtatgg	3360
caaggttatg	ggggctgtga	ctgatgtagc	agcttgcatg	tacccagacc	agtgctctct	3420
ctagacagct	ctgctggggag	ctgacctgct	tcccacttta	gagggaaagc	acttggaaaa	3480

tgagtgtcta	acaaattagc	gagccctcca	gtgcactctt	aagtgcctta	aatccttgaa	3540
agagacactg	tggaatgcct	gctgccatca	ctgttgtatt	tccctcctcc	tctcagcttc	3600
cccatcccag	cacaagttga	ctctaatacag	cttctgagca	ttatgctact	gaggggttta	3660
aacattcatg	agcaagagtc	ttgttcagag	cctgataaaa	tattcatgtg	tttccatggg	3720
gcattgggtt	ccatctagac	ttctcaaggc	atctttctga	gatgcatgtc	gtaattgtga	3780
agaactcaga	cagtgatgga	tgatacggcc	ctgtgttatt	aaaccctacc	acacagagca	3840
ccttgctttc	tagggatgga	gaagaatgag	cacacagaaa	aattgacatt	aatcctgtct	3900
agatcaagag	aaaggctaca	tgtactgata	aaaatggctt	gagtaaagag	gggcctgtta	3960
atatagtacc	aacaaaggta	tgaatccata	gaggagagt	aaaagaactt	gttaaaatga	4020
gaggaatgct	gggatgcagt	cattccaagt	ggaagaatgg	gggaatcagc	attgtaaaat	4080
gcacagttcc	tttgacactc	atgtggacga	ggttcatatg	agacaactgt	gctgagtgtc	4140
gtaattatca	caacctgcta	tgagaggatg	agagtagaag	tggaggctag	gcaggggttc	4200
caagtagagc	cagagagcta	ttccaagagg	agtcaacatt	tctcttcaag	gaagaagtgg	4260
ctttgagtca	ggttctgaag	gaggtgtgcc	tctttgactg	gcagctgcgg	tgtggaaggg	4320
actttccaga	gagacagaat	agcatgatag	agtgaaggcc	aaagtgccgg	tgtggtgtga	4380
gtaaggagag	aaggtgggtg	gatgggggtc	agggcagggt	tgcagcaaga	cataaagcag	4440
gagagctaaa	ggccagctta	tgaaggccac	aggaggatgg	acttcagtct	gtttgtctgga	4500
gggccgtgta	acttttggcc	agagattggg	ttacattttg	aggagtctct	gggaagtata	4560
tccaccctag	gcaaggcctt	gaggtatgtt	tatgtccaag	gcatttccag	aatattctgc	4620
tgtgtccaga	acactatgaa	gactctacgt	ggtctactct	aagagaggta	aaccagagga	4680
ggtcagatat	actcagtata	ctcctgggac	tgaccagaaa	caggcctcac	caggcacctc	4740
tctgccccca	gcacacaaac	actcagaata	ttctgagtca	gattgaatcc	acagcattcc	4800
ctagacttct	tcatgaccac	tttgcctcag	ctgggggagt	tgcaatgatc	taagtatccc	4860
cttatcacct	gaatctgggc	caggatacct	cagacatggg	ttgccaggca	actgagggct	4920
aagtgatgca	gctggccaat	catccccaca	aagcccaggt	ctgctttgac	caggccatcg	4980
ggctgtgacc	agagaggcaa	cttggggggg	tgagggtcatg	cagactgatg	acttgtggac	5040
acaactgccca	ggcccccttc	atatgtcttc	ttcctttggg	ttgcagattt	ctattcaaaa	5100
atgccctcagg	atgttgattt	tttaacccat	aataaaaata	gtgaagtagg	gaggagtgtt	5160
aaacatgtca	gtcatctata	ccttatgttg	tcattgggaa	gaaataactg	tggaaacaat	5220
tgtcccggga	aagtcagtct	tcagtcttgc	agtgaaggagc	tttgcatatg	tggagattag	5280
ctagaaaagct	ctggagtctt	gatggtgaga	agggatttct	tgggtcaagg	ataggaaagg	5340
gcaagggagg	accttcatga	ttctccccag	ggctttgtctg	gttggaattg	ctcttctgct	5400
gccatgggta	gcatgggggt	tcagtgactg	aaaacaccca	ggaaagtatg	ctctgggtct	5460
tcatgttgcc	atctgcctac	actggaatgt	cagaccatca	gtcagcactg	ccagctctcc	5520
atcttgattt	tctaagagtt	attgagaaaa	ccttgaaagg	gaaggcagaa	gtgggtgtct	5580
taactagggga	aatgccaaagg	tcctaaagggt	gtggtctagg	ttgaagggtg	ggtaagggcc	5640
tgaagtcatt	ggtctggcag	tacttcagac	caataaaagtc	tttcttggct	cttatctaaa	5700
atattcctga	ttttctgtgt	gaggtggaat	ctctcaagt	ctgcattaat	cagtcttttg	5760
gctgaacagg	taaaatagggt	gcatgcttaa	ttgagtgcct	tttctttttt	taaagtttca	5820
gcttttatatt	tacattaaga	ggatacatgt	gtaggattgt	tcatgggtaa	attggaccca	5880
ggcataagca	cagtacccaa	taggtagttt	ttcaacccat	gccccctccc	tcccttcccc	5940
ctgtagtagt	ctgcagtatc	tatctttcct	gcgtttatgt	ccatgtgtgc	tcagtgttta	6000
gctcccactt	ataagtgaga	acatgtggta	ttttgttttc	tgttcctgca	ttaattcact	6060
taggataggc	ctccaactgc	atccacgttg	ctgcaaagga	catgatttca	ttatttttta	6120
tcctatgggtg	tttatgtagc	acattttctt	catccagtac	actgttgatg	agtccttagg	6180
ttgattccac	atctttgcta	ttgtgaatag	tgctgtgatg	cacatatgca	agcatgtgta	6240
tttatgggtg	aatgatttat	atttctttga	atatataccc	agtaatggga	ttgctgggtc	6300
aaaggtagct	ctgtatttaa	gtttttttgag	aaatctccaa	actgctttcc	acagtgggtg	6360
tactaattta	cattcccacc	aacaatgtat	aaatgttccc	ttttcttcac	agccttgcca	6420
gcatctgttg	ttttttgact	ttttaataat	agctattctt	actggtgtga	gatggtatct	6480

tattgtgggtt	ttattttgc	ttctctgatg	attagtgatg	ctgagcatgt	tttcatgtct	6540
attggccaca	cttgtatgcc	ttcttttaag	aagtgtcttt	tcatgtcttc	tgcccacttt	6600
ttaatggagt	tatttgattt	ttgcctgttg	atttaagttt	cttatatatt	ctggatatta	6660
gacctttgtc	agatgcatag	tttgtgaata	ttttctccca	tgctgtaggt	tgtttactct	6720
tttcatgggtt	tctcttgctg	tgcagaagat	ctttagttta	attaggtccc	acttgtcaat	6780
ttttgttttt	gttgcagttc	tttctgggga	cttggccata	aattcctttg	caaggccaat	6840
gttgataagg	gtatttccta	ggttttcttc	tatgattttt	atagtttgag	gtcttatgtt	6900
aaatctttta	tccattttta	gttagttttt	gtatatgggtg	aaaggtaagg	gtctagtttc	6960
attcttctgc	atatggctac	cagttatccc	agcaccattt	attgaatagg	gagtcctttc	7020
tccattgctt	gttttttgtc	agccatgttg	aagatcagat	ggttgtaagc	gtgcagcctt	7080
atttctgaat	tttctattat	gttccattag	tctatgtgtc	tctttttgta	ccagtaccac	7140
cctgtttttg	ctactctagc	aaattccttg	gaattaagga	aaatagggac	acaatttatg	7200
aagacctctg	ggatgtagcc	aaagcaatgt	taagaggaaa	gtttatagcc	gtaaatgcct	7260
tcatcaagaa	gctggaaaga	tctcacatta	acaatgtaac	tttgcattta	aaggaaactat	7320
gaaaaaagga	caaaccaacc	ccaactctag	cagaagaaaa	gaaataacta	aaattaaaga	7380
aaaacttaat	gaaattgaga	tgcaacaatc	catatgaaag	atcagtgaaa	ccaagaatag	7440
gctatttgaa	aaaaataaata	agattgatag	actgctagct	aggttaacaa	agcgggagga	7500
gacagtgaga	gagagagaga	ggatccaaat	aagtacaata	gaaataacaa	agatgacatt	7560
acaactgadc	ctatagaaat	acaaaagatc	cttggagaaa	actatgaaca	gctctatgca	7620
cacaaattag	aaaatctaga	agaaatcaat	caattcctgg	aaacaatctc	ttgagattga	7680
atcggagaga	ttgaagtcct	gaatagacca	acatcaaact	ctgaaattgc	atcagtaaaa	7740
caaacaaaca	aacaaaaaaa	acccttccaa	ccataaaaag	ccctggacca	gatagattca	7800
cagccacatt	ctatgagaca	tgcaaagaag	aactagtacc	aatcctacta	aaacttacag	7860
aaaatagagg	agcagggact	cctccccaat	tcatcccatg	aagccagcat	cagcctaata	7920
cccaaactctg	gcagagatat	gatgaagaga	tatgattttt	gtgtctatgt	tcagaccaat	7980
atccctgatg	aacatagaca	caaaaatcct	caacaaaata	ctagcaaacc	aaatttagca	8040
gaacatcaaa	aagttaattc	accatgatca	agcaggcatt	attcctggga	tgcatggttg	8100
gttcaacata	cacaaatcat	agtgagtcac	catgtaacaa	gaattaaaag	caaaaaccgt	8160
tatgatcatc	tgtgtcatct	caatagacac	agaaaaagct	tttgataaaa	tctaacatct	8220
cttcatgata	aaaactctca	acaaaactagg	catcgaagga	acatacctca	aaataataag	8280
ggccatccct	gataaaccta	cagctaacat	catactgaat	gggcaaaaagc	tggaaccatt	8340
ccccttgaga	actggaacaa	ggcaagaatg	cccactctca	ccactgctat	tcaaggtagt	8400
gctagaagtc	ccagccagca	cagtctggca	atagaaaagaa	ataaaaaggca	tccaaataag	8460
aaaagaagaa	gatgaactat	ctcccctttg	tgacgatata	attctatact	tagaacaccc	8520
caaagactgt	tccaaaagggt	tactagaatt	gaaaaatgat	tttagcaagg	tttcaggata	8580
caaaatcaat	gtacgaaaat	cagtagcatt	tctaaacacc	aataacgtcc	aggctgagag	8640
tcaaatcaag	aacatgatcc	catttacgac	agctgcaaag	aaaagggaat	acctaggaat	8700
atagcaaacc	aaaaagggtga	aagagctctg	caaggagaac	tacaatacac	tgctgaaaaa	8760
aagttagaaa	caacacaaat	aaatgaaaaa	atatcccatg	ctcatggatt	agaaggatca	8820
atatcattaa	aatgggtcata	ctgccc aaag	caatgtatac	attcaatgct	attcctatca	8880
aactactaac	atcagtcttt	acagaattag	aaaaaactat	tctaaaaactc	atatggaacc	8940
caaaaagagc	ctgaatagcc	aaagcaagcc	tgagcaaaaa	aaaaaaaaca	aagccggagc	9000
atcacactac	ctgagtgcct	tttctgaaca	gatattttcaa	tgattctgtg	attattcatg	9060
agccagtgat	ggctgcctgc	ttttggatgc	tgctaggata	aatgcagaag	atcagagtga	9120
agagggagag	ggaagcataa	cagcagcaga	gaggaaaagg	gaagagagta	gtgacgtgct	9180
gaaatcgag	agattgtggg	tacccagtta	tctacaagtg	agaaacaggg	ataaaaagaag	9240
atcaaaataac	tacccatggg	aatttttacat	gcaaatattg	ctgacttcca	aggcagctgt	9300
gaggagaaaag	gaagggaggga	gacacaaagg	cagctgtcac	agtcaatccg	aggaatatta	9360
ataaaaactt	gacacatgaa	aacacatggc	cgtatcacaa	cagcctgggt	cccagcaagg	9420
atgtctattc	aaaccctct	ttcacatttc	cttatattca	ttcacagtat	taggtatttt	9480

gcaagacatt	catttgcact	tgcaaagata	cacaaatgca	gagtacttaa	aagggtaaac	9540
tatcctaaaa	tattagtgg	gagattataa	atgattat	gtat	aacttatcta	9600
tg	gattgt	agaagtgtga	at	taatcagaaa	aacattaagg	9660
agaaaagggg	ttaagtaggg	aggtagagaa	agaggcatgg	ggtggggaga	gaggattgta	9720
gaaaagaaaa	atatgttgg	agatgaatga	acaat	aactttatgt	ttcacagact	9780
gctagcttgt	gcatat	ctttattatt	gaatatatat	gtttatcacc	ctcagaagat	9840
ctggaagtac	caattggcat	gaaactgaat	tgcaaatact	gagctaagta	tcacacctcc	9900
aagaccattg	ccttggccag	tgccattctg	tgtgtgacat	gtggcttcca	gtgatgctca	9960
aagtat	cgccaaagg	taatagagaa	cacttcaaac	ctgggcagca	gcatctctcc	10020
cacagggttt	aatat	cttgtagcca	cgtggctggc	tttgtgcttc	tcac	10080
agtatggaac	aggagccaac	aaaggctgtc	aatagttgga	gtagtgggat	tttccaagac	10140
aaaagcgtga	gttattctcg	tccacgtgtt	tgctggctgc	tcactggctc	aggcagcccc	10200
ttggcaagct	ctgtggctga	ggctttaa	aaatagatgt	agtttttgtt	tcacaaccac	10260
tgaccttttc	tggaggcact	gttgattctg	ggctttaa	ggcttctgtt	gagtgcacaca	10320
aggtgaaccc	tctcttcaag	agcagaagct	cctatctgct	gttaaccacc	agcatcaatt	10380
caaagcaaat	gccagaggac	cacatacctc	actgaactct	ggggactggg	gttacttgta	10440
gttatgtctc	aataaatact	ttttataatt	taacttttgc	at	tgtaaaagct	10500
atacacactc	atggtaacaa	gtctagtaag	acagcagtat	ataaaagaaaa	tatggccagg	10560
cgcagtggct	caccccatag	ttccaatact	ttgggaggcc	gagatgggtg	gatcacttga	10620
ggtcaggagt	tcaagaccag	cctggccaac	atggtgaaac	cccatctcta	ctaaaaatta	10680
ggctgggtgc	ggtggctcac	tcctgtaatc	ccatcacttt	gggaggctga	ggcgggtgga	10740
tcacaaggtc	aggagttcaa	gaccagcctg	gccaagatgg	tgaaaccctg	cctctactaa	10800
aaatacaaaa	attagctgag	cgcagtggca	ggcacctgta	atcccagcta	cttgggaggc	10860
tgaggccgga	gaatcacttg	aacccggggg	gcagagggtt	cagtgcagccg	agatcctgcc	10920
actgcactcc	agcctggg	acagcatgag	actccgtctc	aaaaaaaaaa	aaaaaaaaaa	10980
attggccagg	taagggtggct	catgcctgta	atcctggcac	tttgggaggc	cgagggtgggt	11040
ggatcacctg	aggtcaggag	ttcgagacca	gcctgaccaa	caaggtgaaa	tcccatctct	11100
acaaaaata	caaaaattag	ctggacgtgg	tggcaggcgc	ctgtagtccc	agctactcgg	11160
gaggctgaga	caggagaatt	gcttgaacca	gggaggcaga	ggttgcagtg	agccgagatc	11220
gcaccactgc	actacaacct	gagcgatgga	gcgagactct	gtctcaaaaa	aaaaaattag	11280
tcaagtgtgg	tggcgtgtgc	ctgtaatccc	agttacttga	gagggtgagg	cgggagaata	11340
gctcgaaata	gcttgaaccc	aggaggcaga	ggttgcagtg	agccaagatt	gtgccactgc	11400
actccagctt	gggctaccga	gggagactcc	atctcaaaaga	aaaaaaaaaa	gaaagaaaaat	11460
ataagtaatc	tccaccttct	ctcactccca	tctttctgac	aaaaccacta	tttaaaagcgc	11520
ccaggctggg	cgtgcgggct	gacatctgta	atctgagcac	tttaggaggc	agaggcagga	11580
ggatagcttg	ggtccaggag	ttcaaaacag	cctggacaac	atagtgaac	tccgtctcta	11640
tgaaaaaaaa	aaaaaaaaatag	ccaagtgggt	ggtatgtcat	cctagctact	tgagaggatg	11700
aagtgggagg	atcgcttgaa	cccaggagg	tgaggctgca	gtgagctgtg	atcatgacat	11760
tgactccag	cttgagtaac	agagtgcag	cctgtctcaa	aaaaaaaaagtt	tcattgtgtat	11820
tcacatgtca	cgatcacagc	tactgcagc	ctcaacatct	ccagctcaag	ggatccttcc	11880
acctcagcct	gccaataaac	tgggaccaca	ggcacatgcc	accacacccg	tctaattttt	11940
aaacat	gtagaaacga	ggtctcactg	tggtgcccag	gctgatcttg	aattcctcgg	12000
ctcaagtgat	cctccacct	cagcctcca	aagtgtggg	attataggca	tgagccactg	12060
cactcagccc	cttactcct	tttctatgtt	caaacaacaa	tatgagtgtg	tagacttatt	12120
ttctattgta	tgtgaaaatg	gaatcatata	tgttattatt	tctttcattt	tatttagtac	12180
atattatgta	cattatttcta	gattaacaca	tataattgat	ccaatttatt	atttttaata	12240
gctaccta	attccattat	aggagggttcc	ataatttctt	cccatttcatt	acttccccat	12300
tgatagatat	tcattgtttt	cttccaactt	tttttgcaca	acaacttatg	ctacaataaa	12360
cattctacat	ttattcctat	actttgggtt	ttatttccat	aggagagatt	cccaaaattg	12420
tcatttttgg	gtcaaaggga	atacacaa	ttatttctca	ctgtaggtct	cctttacagc	12480

agttgtttct	ctcctccttt	tgtctttctc	tccccctctc	caccacattt	tgccagcagg	12540
gcctgtgtgt	ttaagaagga	aagcctgcag	tgagaactcc	tctgtgccaa	gtgtggatta	12600
tatcagctta	gtggggaact	ggagtctgca	gtgtctcagt	tacatttgtt	ctctcttgct	12660
tttggttggc	cagactgttc	acaattcccc	ttgctgattt	attccatgct	gtggaattat	12720
acatgggtct	catccgtggc	aggatcatct	gaggggtggc	tttttgggaa	gggtgtcttt	12780
tcagaaagaa	taggctcagt	tactgtactt	tctcacaaag	ctatatctgt	tatgtttttt	12840
tgttatgccc	tttctttaat	agttggattg	aaaaagggtc	ttcaattccc	atcccggctt	12900
tctgtcttca	ttttgaggac	ttgggattta	gggagtttta	tgagtatata	atcaatcaac	12960
tgtaactgat	tatttgacat	gaggataatt	agttaagaag	gtaggggtct	tggagcttaa	13020
ggatcagtg	caagcaacag	acgtgaacat	ttttaaacaa	atggttttta	caaaccgggt	13080
attaggagca	agcttcccag	gagtactaag	ctttcatatt	ttaatTTTTgc	ccttgctggg	13140
atgtaaaact	tcagtctagt	ctaccagaat	agagaggagc	tggattctcc	accacaccag	13200
ggctggagag	gagaaaatgt	cagagaagcg	ttaaggggaag	ctggtaagta	caaataagtg	13260
aaataaatat	aaacagtga	ctgacaaaat	ggcaaaaagt	gaatgaaatt	tgaaaaatcct	13320
cagctgaaga	ttatttgtta	accagtgggtc	ctgtgagcta	gtggacactt	tataaaaatc	13380
tgtgatctct	aaaacatatt	agatacccca	gtgtgaatct	gtgttcagaa	tacaaccatt	13440
agctaagcaa	gacagagaaa	tgataagtcc	tgttggcaga	tattttgcta	ttgacttcta	13500
taacatatgc	tgcaattttt	actcagcagc	tttggaatgg	atttctatgt	cctagggtga	13560
aaactaaaact	aaaagaaaaa	cagaatagaa	gttactgcac	ttaatTTTcta	aggagaaaaat	13620
tttaacttta	gtttgtgcat	gtatatgcct	gcaaaaataag	cattaccctt	tatgttaata	13680
caaacttcac	atgaatgttt	aatTTTcaaa	tatgcactga	ccagtaataa	tgatggcaaa	13740
attagactct	atagtaggtt	tatgttttat	aacttaggga	ttctataatg	tatcttagtt	13800
gatgtcgtag	ttaatagtaa	ggatagtaat	atcttatata	gtttgcactg	tcgtctgagt	13860
aaagattatc	tttaaacatt	tgttcctgtc	agaaaaattt	taaggctaaa	cctattataa	13920
gatattaagc	atctgatttt	ggctataatg	gactatctgt	gagtagattt	ttactcctat	13980
acaggacatc	tagaaaagct	gagttttaaa	aatctatttg	aaggcataga	agacctataa	14040
aggcagctag	gacttgagag	ctaagacctc	agaaagaaga	gaaactcatt	gagtgttcca	14100
aattctaggc	tactTTTTcc	ctgtagacac	ttaccatttt	taagtagcac	atgaggagaa	14160
cccaaacaat	aagcagctgc	taaaatcaga	gaagccaggc	agattattcc	acagtctgat	14220
agggtggggg	aggaaaaaaa	aaaattgaat	tcaaggaaac	caaatgattc	aggacatgag	14280
aaaccatgat	catggacaga	aaagaggccc	agaaaaatca	actcaatagt	ctaagcaatt	14340
ttccttccaa	gtcattcact	gatttataag	tagcgcagac	caagaggttg	caaaaatcca	14400
aacacaaaga	aggtgctaaa	aagctgagaa	gctaatacaga	gctacttgca	atcttattac	14460
actaggaaga	taaaaattat	tatagaatgt	aaagcccacc	aatgtgggtat	ggcctgaaaa	14520
acaccctaag	ctttcagttg	ggactgctga	cggattatgc	ctgaccagtt	aaaggaaacc	14580
agaaatagac	ccggtcaaat	aaaatattga	agtccatttc	ccgatcaact	tagtcaactga	14640
ttagattaaa	gtaatctgtt	cttatttttaa	caccctagca	taagtcttct	ccatattctt	14700
tggagaagaa	aaaatgatcc	agaacctgtg	tatttttcat	atgtggtttc	tggatttcag	14760
caaagcaaaa	caaaaacaaa	acaggcatat	caagatatag	tttccagaat	atggtacaga	14820
gagaacccag	acttcctgag	ttgagaagac	agagctcccc	atgtctggggg	agaccagggc	14880
aactagagtt	tgtaggacag	agtattggag	aggagagagc	tgcagagaga	acccagaggt	14940
tcctcacagg	gtacacctca	agtataaagc	tgagtactga	gcagcacatg	catgtaagga	15000
aactacctgg	gataaagaaa	gaactacca	aaaggattag	aagaaatagt	gctcattgtt	15060
cacacagggc	tgggaattgt	gcctattccc	accagctaga	cttgaaaagc	tcataattca	15120
tggagggttg	ggtagtatac	tttgaaaagac	catgccttag	tagtgggaag	tagccctaga	15180
ttgagcactg	cactgatcct	gtctaacaaa	tcttttaaaa	agacccaaaa	ggaacaaatt	15240
gttccagtta	atttgactgc	atcccagaac	aaagctcaaa	actattttaga	ggtattttgga	15300
atagcagtat	tagtaatat	gcagagggaa	gaatattgcc	agggataaag	aaaatcattt	15360
cataatgata	aaggagttga	ttcatcagaa	agacataaca	gtactaaaca	tttatgcatc	15420
taataacaga	acttcaaaaat	acataaatga	gaaattgata	gtgttccaag	gaggaataga	15480

caaatccata	actgtagtcc	aaagtttcat	taacctttctc	tcagtaattg	atgaaataac	15540
agaaaataat	taggtatata	aaagaagata	aaaataacaat	caactagctt	gacctcattg	15600
atctttataa	gatactctac	ccagctacag	caaatacata	ttcctctcaa	gtgtacatgg	15660
aacattttatc	cagtttagacc	atatttctgaa	ccataaaaaca	agtctcaata	aattttaaaag	15720
gatttttagtt	atataagggtg	tgttcttgat	cacaatggaa	ttaattaaga	aatcagtaac	15780
aaaatttctca	aataatttggg	aactaaataa	catccttcag	aataactcat	tagtcaaagg	15840
agaaatcaaa	aggaaaatta	gggccgagtg	gagtgactca	catttgtatt	cctaacactt	15900
tgggaagttg	aggcaggagg	attgcttgag	gccaggagtt	gaagatcagc	ctgggcaaca	15960
gagtgagagc	ctgtctttta	aaaaaataga	aaaaaaaaaat	tagctgggca	tgggtggtgtg	16020
cactcataat	cccagctact	tagctggagg	attgcttttag	cctaagagtt	tgaggttgca	16080
gtgagctatg	atcatgccac	tgcattccag	cctgggcagc	agagtggagac	cctgtctcta	16140
aaaaaattat	ttttaataaaa	aaataaaggg	aaatgagaaa	atatttgggg	ctgaaagtaa	16200
aagctcatat	atcaaaagca	gtacttaggt	ggaattttat	agtattataa	gcttataagg	16260
tggggcacag	tggctcacgc	tggtaatgcc	aacactgtag	gaagtcgaga	caggcggatt	16320
gcttgaaatc	aggagttcgg	gaccagcttt	gacaacatgg	caaaaccctg	tttctataaa	16380
aaatacagaa	aattagctgg	gtatggtggc	acgtgcctgt	agtcccagct	acttgatggg	16440
ggctgaagca	ggaggatcac	ttgagcccag	gatttcgagg	ctgcagtgag	ccgagatcac	16500
accactgcac	tccactccag	cctgggtaac	aaagtggagac	cctgtccccc	cacacccccg	16560
caaaaaaaag	cttataagaa	gaaagggtctc	agattagtg	cctcagcttt	catcttaaga	16620
aaccaaaaca	gaaaaagagc	aaatgaaatt	caaaataagc	agaagaaaga	aaataagaaa	16680
tatcaaagca	gaaatcaata	aactagattt	tgaaaagtag	agaaaatcaa	tgaaagcaaa	16740
tgctgtttca	ttgagaatat	taataaaaatt	gattaacctc	ttgacagaaa	acaggaggag	16800
gaaaaagaga	ggagttacaa	tttaccaata	tcggaatgag	agaggtgaca	tcactacaaa	16860
ttctacagat	actaatggat	aataaggaaa	cattatagct	tttctccaat	aattccatca	16920
acttattaat	agatgaaatg	aacaaattcc	ttgaaagaca	caagctacca	aagttcactg	16980
aagaggtagt	agagaatgta	aaagcccaga	tctattatag	acagtctcga	aagttagaaa	17040
tagaagagaa	cttccttagc	ctgataaagg	gaatctatgc	aaaacgtgca	cctaacatca	17100
tatttagtgg	taaagcaa	agtaataata	tcgatttttt	ttcttttttg	agacagagtc	17160
ttgctctttc	acccaggctg	gagtgcaggg	gcgcgatctt	ggcccactgc	aacctccacc	17220
tcccgggtcc	aggcgatctt	cctgcctcag	cctcctcagt	agctgggatt	acaggcacat	17280
gccaccacac	cctgctaatt	tttgtatttt	tagtagagac	agggtttcac	catgttggtc	17340
aggctggtct	tgaactcctg	acctcgtgat	ccacccacct	tggcctccca	aagtgtggg	17400
attacaggcg	taagccactg	cgcccagctt	tttttttttt	tttttttttt	tttgagatgg	17460
agtcttgctc	tgtcgcccaa	gctagagtgc	tgtggcgtga	tcttggtcga	ctgcaacctc	17520
caactcctgg	ttcaagtaat	tctcctgcct	cagcctcctg	agtagctggg	attacagggtg	17580
cccaccacca	tgcccagcta	atttttttat	tttttagtaga	gaatgggttt	caccatgttg	17640
gaccaggctg	gtctcgaact	cctggcctca	ggtgatccgc	ccaccttggg	atcaccaagt	17700
gttgggatta	caggcgtgag	ccactgtgcc	tggcctgcct	agacttttaa	cttatttgtg	17760
taattacttc	aagtatagat	tactccaatt	taaacacaaa	gattgtgaaa	ctagatgaag	17820
aataaacata	ttcaaaaatga	ttattaaatg	ttttaattgg	tgacagagtt	tttcatagcc	17880
ttttatcatc	tcagtgcac	atgtttttatt	tgtaggtagc	cacagagaaa	cagctacatt	17940
tataagaaca	ccatgaagaa	taattaaaat	gttctttttt	tttttttgag	acagagtctt	18000
gctttgtcac	ccaggctaga	gtgcagtggc	aagatcttgg	ctcactgcaa	cctctacctc	18060
ctgggttcaa	gtgattctcc	tgcctcagcc	tccctagtag	ctgagattgc	agggtgtggac	18120
cactacacct	ggctaatttt	ttgtattttt	agtagagatg	gggtttcacc	atgttggcca	18180
ggcttgtctt	gaactcctga	cctcaggtcg	atccacctgc	cttggcctcc	caaagtgttg	18240
ggattacagg	tgtgagtgc	cacacctggc	ctaaaacatt	cttttatccc	tgacttcagc	18300
tgagtttagt	ttgaaatgag	gctcttttatt	tgggggtgatt	gggctttgca	ggagggttgg	18360
tgggtggcct	ataattcccc	ccaatattgt	atgtaagata	ttacatgttt	gtatacagtt	18420
tttcaggaga	gagtccgtag	ctttcatcag	tctctcatga	ccaaaaacta	tttaagaatc	18480

atggcttgaa	gaatgaaaga	atcgagtgcc	atgttaagtg	tctaatttct	caataatact	18540
tccctgaaac	taattttctag	agaataattc	aaatgacttg	atctaaatat	gtgtgcatga	18600
gtcatcaaaag	cagcctggag	taacataatta	aaagttatcc	caagggtctg	tctggttcaa	18660
actctgatga	aagccctata	tttcttatcc	tggactgggt	ttctcatagt	atgattccca	18720
gatcagcagc	agcatcagca	tcacctagga	acttgttaga	aatacaaatt	ctcaggccgg	18780
ccccaggcca	tacctactga	gttacaaatt	ggagatggga	ccaggaatcg	gtgttttcta	18840
aggagctttc	caggtgattc	tgggtgtgcac	taaagtttga	taaccactgg	gttaggctat	18900
aattagaaaa	tcctgttctc	cgccccgctc	ccaagccagg	tttagaacag	tttgtaagc	18960
aagtatctgc	agaaagacca	gtctaattgt	gacagcttct	attttccatc	tttatggaaa	19020
aatcgtaaaag	cctcaaaaagc	ccaaatcacc	ctcacacaag	tgtcttgggt	tgcacagcaa	19080
caccaaaca	cagtttagag	taatccaatg	tccagctgaa	attggaatta	tagagacaca	19140
gcatgtgagt	tcactcaca	aaatttttac	caggaggctt	tttagggatg	agccccgtaa	19200
ttccaagggc	cttggctctc	agcctccttt	gaggcatata	acacagtctc	ttgaacagac	19260
tgaccctcag	taatgagggt	tcattaccct	cttcagaca	tgtggcacc	tcacaaacat	19320
cctttaacag	agtgtctagt	atcaccatgc	ttcgtttgca	aagtaactta	atgaattcgc	19380
tcagcctata	ttcttagtac	ccagtggtag	ggatctcagc	tgtagcagca	taaaacttga	19440
actgtccaaa	accagtctct	gaaaccttca	agtgtttatt	ctgtctactc	ctgctgttgc	19500
ttgaagcttg	atgtgtgtt	acaccttact	gttttgctga	tgagaaatag	cacagggtac	19560
ttctcagtgg	ttctcattaa	aggagggcag	ccaagtggaa	ttcattcttg	gctcttaata	19620
gttttcaaat	gagaatttta	ttgcatacta	atgagcacta	attgacattt	gtgactgttt	19680
tttatggaaa	taatgcatgt	acaatttgca	taatagtacc	taagtgtttt	taggtaacag	19740
tacaactctg	ggaagttggg	gaagggtttt	gtatgatgct	ttttaaaaaa	gttcccaaac	19800
cccagccctt	agaatagtat	agaatattaa	caggtctctg	ggatccaaat	ataaggcagt	19860
agtagtgact	cagttcctgt	agttgtacca	gcttgtagct	gagagtcaga	aaatgcatca	19920
gggcagggtct	ctaaaaagcag	gaagcgctcc	cacagtagcc	agggaggatg	ttccagccct	19980
ctctaccttc	atgtgtcaac	cctcctgctt	ctcctaagtc	atgagtatct	agacagtgtc	20040
gaggattgtt	ccaaggactc	ctacactgta	aaatgttttc	taaacatcac	ttggttgata	20100
tcaacaaaca	tggattgatc	acctactatg	tgccaggcac	tgtgctagat	gccagagtaa	20160
gccatgttg	gcttgctgcc	tgtgcatcc	ctatctctta	gcacaatgag	gcaacagtta	20220
tccatcaatg	tttattgaat	taatgaacat	gctgtctgcc	ctcagggatc	tgaggattca	20280
ttattcttac	aaaatctgac	gttgaataca	gtataaaatt	tgttgctctt	catgttagaa	20340
atattaatta	ttcagaactt	ggaattctgt	taggaaattt	agagaaacaa	gataatcttg	20400
gttttatgtg	ccccaaagttt	tctgtatatc	aaatgaccct	tttaaaattt	gtgaaaatga	20460
aagaagccaa	tgtttactga	agatctagta	cgtatcagtt	acttttgcac	acatcctata	20520
catcctatga	tttaagcatc	aacaaaacct	atgagggtga	gatagtatta	tctgtgttta	20580
attgagcaag	cagctaagaa	ctggagaagt	gactaaccta	aggcatcaca	gatagaaaat	20640
tgtggaactg	ggacttaaat	tcagcctagg	ctgtgtctgt	tgcactgccg	cttattacat	20700
taaagatgcc	taggatattg	taagcaaagc	caaactctga	agtattgtac	tagtgatacg	20760
gctccgatga	ctggaggaac	actgggggtc	ttggctctcat	gccgggtttg	ataaaatgac	20820
atggacacac	gtggagtggg	tttagggagg	gaaaagttta	ataggcagga	aagcaggaag	20880
gaagaagaaa	acagctcccc	ggtacgggga	gagaagtagg	gggattcaaa	caaagagaaa	20940
acctcatgtg	cggcagaaaa	gtggctgctt	atatgaggat	gcaggaggag	gtgggtgtctg	21000
atgtgcatag	ggctcagggg	attggtttga	ccagtcatgt	cattcctgca	gcctgtgaaa	21060
aaactgaccc	tcccacccta	gctttttaat	atgcaaatgc	agggcgccat	tatgtttttac	21120
acacatgggg	acatgtgggg	gtggccatgt	tgccaggcac	atgtaggggc	aagggaaga	21180
agatggcagg	aatcaccatg	tttgatgga	cccagtttct	aatggctggc	atgtgcatat	21240
caaagcttgc	tggcccagct	cagagccggg	gctttcctgc	tagacaagaa	acgtttctgg	21300
agctgcttta	aaagaaataa	aaactcccca	aggacccctt	ttcctctcta	tctgcctaaa	21360
ataatttatt	aataactcct	gtaacactag	gatggaggga	tgaattgggtc	caggggtcct	21420
ggtgtgtgcc	ctgcattcag	ttgacctact	gtttacaata	cacctactgt	ttacaacact	21480

atthttctaga	tctttgtgggg	aacccaaacc	aagggccagt	ctggctcacc	tataattcca	21540
ccaagcagcc	agaaaaagtat	aaacgctcta	cagcaaaagg	ataaatcaag	gttttagtaga	21600
agaaaaagctt	tataagtaat	gtggaaactaa	aagggtgaat	atagttttca	ataatgttga	21660
gcataaatgt	tctccagatt	gtggaaaagat	cactaaactgt	tggctgggaa	gggtaggaga	21720
ggagagaggtt	tgaaacacag	agaataggaa	ggagtgggtga	tgtagtccaa	taactcacc	21780
agaacccatg	gacgtgaaag	ctttgtttgc	tctcagatcc	ataactagac	taaaggagt	21840
aatcagatct	gctccccctgc	acccacccct	gctcaccttc	cacacctgcc	aagggccacc	21900
cagcaattcc	attctgcttg	tcaaatcccc	taaggaggat	atgtctggaa	cagccaccac	21960
tcctccccct	gctcttcct	ctggtatgtc	aggattccct	gcacaaccgt	gctccagggt	22020
ccttgggatg	attattcaga	aaccagagaa	gtatgtagaa	aacttaatcg	gaggcactta	22080
aaggcttttaa	aagggaattt	taaaaacat	ctttccctct	tttataaggc	agtctgagta	22140
tttaagaagc	aaattaattg	agtccacttt	acagtgttgg	ggcaaaaagca	tgcaagttcc	22200
aacattttaca	cactaacaga	aaattctttt	cccttccact	gtgctccttt	tctttcttgg	22260
gcctgctcca	caaacttcta	accacagtcc	taaattggta	ccccatgacc	ctgtgtgctt	22320
cgattgccta	cactggtttc	agaccacgc	tgtggattca	aatcaaacct	gcctttctcc	22380
ctgttactat	gtccaccag	cacctcctt	gcacacacag	tctttctctt	ctttctcca	22440
tgtgcagacc	tttaccacag	ctgtcccaaa	tgtgtgaaag	gccaaccata	actcttcctt	22500
taaaggctct	ttagagcagt	atggaaaagag	tgctgaactt	ggaagaccta	gattctcttt	22560
ctatactcat	tatgtgatcc	tgagccccct	acttaacctt	gcagggcact	tacaaaaata	22620
agagatggag	ttcatgatat	cttaagggtca	ttttccatgt	ccaacattct	ctgactcttc	22680
atctttccct	gactcaacat	tctgttccta	tatagtcaac	accttccac	cttaatctca	22740
tgctcatgcc	ctcttagaaa	gtctttacaa	ctgttgagg	tgagtgagg	catgcctgta	22800
atcccagtac	tttgggaggc	cagagtgggc	agattgcttg	agctcaggag	tttgggacca	22860
gcctgcataa	catggtgaaa	ccccgtcttt	attaaaaata	caaaaaaaaa	aaaaaaaaag	22920
ccagatgtgg	tggtgcttgc	ctgtgggtccc	agctactcag	gaggctgaaa	tgggaggatc	22980
acttgaaccc	aggaggcaga	gggtgcagt	agctgagatc	atgtcattgc	attccagcct	23040
gggtgacaga	gagacaccct	gtctcaattt	aaaaagaaaa	aaaagaaaga	aagcggcggg	23100
ccgcgggtggc	ttacacctgc	aatcccagca	ctttgggagg	ccgaggcagg	tggatcatct	23160
gaggtcaggg	gttcgagacc	agcctggcca	gcattaagaa	actctgtctc	tattaaaaat	23220
acaaaaatta	gctgggcatg	gtgggtgggca	cctataattc	cagctactca	ggaggctgag	23280
gaaggagaat	cgcttgaacc	cgggagggtg	aggttgcagt	gagttgagat	cgtactattg	23340
cactccagcc	tgggcaagaa	gagtgaact	ccatctcaaa	aaaaaaaaaa	aaaaagaaaa	23400
tatttgcatac	tgtgaactgt	cttctgtgtt	gaggatgttt	gtggcagaag	gagatagacg	23460
taggctctgt	ctacgtctgc	ctgggtgcctc	cacaaggagc	agtgtatgct	cagagaatag	23520
aagtgaattt	tactattagt	ataggtgacc	catattgaaa	atgtttgtaa	atctgtctacc	23580
agaacaacac	agtcattcaa	agacaattaa	aatgcattt	tatacttctt	gctattttata	23640
attattcatg	gatctgctgc	ctacagtcag	gtagtaaaaag	gagagccaga	aggaatcata	23700
gtgaacatct	catacaatgc	tatctttgtt	gttggtttga	acataagcat	ttttgcgtga	23760
atthtgcgtgt	aggtctcttt	tatttctctt	attgcataac	ctgaggctga	aatacttcaa	23820
gtaatgtatc	tatttgctca	tattgggtag	aaacatccct	attattccaa	ttttcccttc	23880
tcctgcttaa	aacatatagt	gaaatgaaag	atgcagagat	aaggaaatca	gggaaaagaa	23940
aaatagtcac	aggatactaa	aatgagccac	agatacctga	aactgcatag	ttgctataaa	24000
tgagccataa	atttgattct	gagctttcca	gtggcccaa	aaagataaac	ataatagtat	24060
ttattccatg	acataaaaaat	gtatttgtat	ttctctgtgt	tcaagaggaa	gagaaatttg	24120
tactatgggt	cctcatgaag	gagccactaa	gtcagtgttg	tagaccacac	attcaacgat	24180
atcgtattaa	tacctatgat	gatgaattca	ttcattcaat	aagcatttat	tgagtactta	24240
ctttgtgctg	tatatgtttc	agtgtattgc	agtaattatt	ctttttgatg	ctcaaatgtt	24300
cctattgtgg	gtcagtagga	gcccgttgat	tcatgtcctt	ttgacattat	tctgtagtgt	24360
ttgatacttt	ttttcctagc	atgatgagat	gttccaggct	tatgtcgtat	atttcttgtt	24420
ccgtaactca	aattgaccat	tttgttaatg	aaacttgatt	tttttcagtg	aaaagtgggt	24480

ttatagaaca	caatctgggc	acttgaagtg	tttattgtta	ctgggttgtc	attacttaca	24540
agactcagtt	aacaaaattag	gaaaaagatt	gatttagaaa	gaaaataaat	cctgagttca	24600
tattgttatt	tccaatttaa	agattaaagg	gttttcgtat	aacttatttt	atatgtgtat	24660
gtcttttctc	ttactttgaa	atcttgggtt	ccaataacat	gaacataatt	acttccttta	24720
tcctaatagg	tacgtatatg	tgtatatgtc	tatgtatgta	tgtatgtagg	tatgtatgtg	24780
tgtatgtttc	tatctgtaaa	acaggaaaaa	taccaccta	atggagctta	agatttcctt	24840
atgagtattt	tttgtcctta	gggtatttaa	tcaaattact	gttacttaaa	ataatgtttc	24900
tctatgtggt	tatgccatca	acttcatata	caattatttt	atttcaattt	gtcttcgatt	24960
tttaaggatg	gttttcttct	tctgatttaa	ttttgttttt	aaattatgta	aaatattttc	25020
ttggtttcag	agtcaaatct	atgaacattg	agaggctctat	tttgcctctc	tgtcccctcc	25080
cccttattat	tttactcccc	ttatagataa	tgcttttatt	tttccattac	tttttttttt	25140
tttttttggg	gacaggagtc	tcgttctgtc	acccaggcag	gagtacggta	gtgtgatctc	25200
ggctcactgt	aacctccacc	tcccagggtt	aagcaattat	cctgcctcag	cctcctaagt	25260
agctgggact	acagacactg	accacatgct	ctggctaatt	tttgtatttt	tagtagagac	25320
agggtttcac	tgtgttgatc	aggctggtct	caaactcctg	acctcaagtg	atccgcctgc	25380
cttggcctcc	caaagtgcg	ggattacagg	tgtgagccac	cgtgcccagc	ctctattact	25440
ttttgaaaaa	aagccaatga	cctatatgta	tcctatctcc	tttcttacac	aaaaggtagc	25500
aggccagagt	tcaagattac	agtgaagctgt	catcatgcc	ctgcacttta	gcctgggcaa	25560
cagagtgaga	ccttatctct	aaagaaaaac	aaacaataaa	aaattttaaa	aataatttct	25620
atgaattaaa	aataatttta	aacacaactg	catatgaaga	caacaaagga	aaactctcag	25680
gaaacactga	aatatgaaaa	tcaagtgaga	ttagagcaaa	taaggatgtg	tatgggaagg	25740
ttctgtagaa	gacagattga	ggcccaaaca	gagagagctc	taaatacatc	atgaagggtta	25800
ccagaaatgt	gagaaattcc	tgaagaagag	ggaagaagca	aatcctctcc	aaatttagtt	25860
cacttagttg	ataatcatta	gttgattccc	agtagagtca	gtcttttatc	atcagtgcc	25920
ccactgttgt	tctctgcatt	aacaaaggag	atattaatct	ggaaagctgc	aatcattttc	25980
actgtagaat	cagcctttta	tttttttaggg	ttttttaatt	tttttttttt	aggacacctt	26040
catttaagat	cacttcatat	ctcctctggc	ttttgcaa	gctctttggc	tgatctactg	26100
tttccaccac	tgtcctcaac	attttttagt	atattattta	atttatgtat	gtattgggtg	26160
ccactgatta	ttgtttgcct	tccccattg	gaacacagat	tctataaaag	tagggatcct	26220
tattttgttt	accactgtat	tccagggtgc	tagaacagtt	cctttcacat	tgttgggtgct	26280
caaaaagaaa	aaagttaaat	gaatgaatat	cagcagcaag	agcattttga	ggagaaagca	26340
aagggtgaac	tgtgggggtc	tccattaatg	tatgtatatc	atcctcttat	acatttgtcc	26400
catcacccgc	tagccctgga	actctcatta	tttttttttc	tggtaatgca	ggctccaact	26460
caactggcaa	tgagaatatg	aactgaggca	actgtatttg	aaaaatgaaa	gaatataggt	26520
gatatgggtt	taaagaattc	agtatttgtg	tatttttcca	ataagtacat	gcttatgagc	26580
atagccttac	aaaataacaa	aaataatttt	ttacatttac	tcacacactt	accattttcca	26640
gcactcttca	ttcctttgta	tagatccaaa	tttgtatctg	gcacattttt	acttctgcct	26700
aaagaactaa	ctctaacatt	tttttatagt	gcacgtctct	cagattttct	ttgtctgaaa	26760
attactttat	tttaactcca	tttctgaaat	acattttcag	tgggtattgt	attctgggct	26820
gacttttttt	ttttttccca	gtgcttgaga	gatgccattc	cattctcttg	tggctttcat	26880
tattttttgat	gaaaaatcag	ttgtaagtct	tactcttggt	cctctgtaca	taatctgact	26940
gctgcttcta	aaattttatc	tttattgctg	gttttttagca	atttctgtgc	cttgttttgt	27000
ttttgttatt	tagtgtttgt	tctgcttggg	attgggtgag	cttggatctg	taggtttata	27060
cttttcatca	aatacgaaaa	attttgggtca	ttatttttca	aatatttttt	ctactcctcc	27120
ctcctcactt	tttccccctc	aaacagcagt	tacatgtatg	tcagacaact	tgctattatt	27180
ctataagtca	ttgagacaat	gttcattcct	ttttattttt	aatttttgtg	ggtaaatagg	27240
tgaatatatt	taggggttca	tgagatgttt	tgatataggc	atgcaatgta	aaataagcac	27300
atcatggaga	atgggggtatc	tattccccta	agcatttatt	ctttgaatta	aaaacaatcc	27360
acttacactc	ttatcacttc	tcagcctttt	gggataagat	catgtgtaaa	aacaatgtac	27420
ttacactttt	catttttaaaa	tgtacaatta	agttattatt	gactatagtc	accctgttgt	27480

actatcaaat	agtaagtctt	actcatttcta	actaattttt	tataaacttt	aactataccc	27540
acttctcctc	ccacctccca	ctccctttcc	aacctatggt	aaccatcctt	ctatactctg	27600
ttcatgagtt	cacttgtttt	gatttttaga	tcccacaaat	aaataagaag	atgtgatgtt	27660
tgtctttctg	tgcttggtt	atttcactta	acgtaatgat	ctccagtgcc	atccatgttg	27720
ttgctaatta	ctggacctaa	ttcttataca	tggatgaata	gtacatcatt	gtgtagatgt	27780
accacatttt	ctttattcat	tcatctgttg	atggagactt	agattgcttc	caaactcttag	27840
ctatagtaag	caatgctgca	acaaacagga	gtgcagacat	ctctttaata	tactgctttt	27900
ctttcttttg	ggtatatatc	cagcgatggg	attgccagat	catacagtag	ctcaattttt	27960
agttttttga	ggaacctcca	aactgttctc	cataatggtt	gcactaatgt	acattcccac	28020
caacagtgt	caaggggtccc	tttttctcca	catcctcacc	agcatttggt	attgcctgtc	28080
ttttggatat	aagccatttt	aactgggggtg	agaagatatt	ttagttttca	tctgcatttc	28140
tctgatgata	aatgacattg	agcatctttt	catataacctg	tttgccattt	gtctgtcttt	28200
gttggaaaaa	tttctgttag	ctcttttgcc	cattttttta	atcggattat	taaatttttt	28260
cctatagagt	tgtttgagct	ccttatatag	tctgggtgatt	aatcctttgt	cagatgggta	28320
gttggcaaat	attttctgtc	attctgtgag	ttgtctcttg	actttgttga	ttgtatcctt	28380
tgatgtacag	aggctttgta	acttgatgtg	atcctatttt	tccatttttg	ctttggtcgc	28440
ctgtgcttgt	ggcatattgc	tcaagaaatg	tttgcccaga	ccaatgtcta	gagactttct	28500
gcaatgtttt	cctgtagtat	tttcatagtt	tgaggcttta	gatttaagtc	tttaatccat	28560
tttcatttga	tttttgtata	tggtgagaga	tgggtgtcca	gtttcattct	tatgcatgtg	28620
gatatccagt	tttcccagta	ccatttattg	aagagaccct	ctctttccca	gtgtatgttc	28680
ttggcacctt	tgccaaaaat	gagttcactg	tagtttctgg	gttctctctt	ctgttctatt	28740
ggctctgagtc	tgtttttatg	ccagtactat	tctgttttag	ttacaatcat	tctgtagcat	28800
aatttgaagt	caggtaatgt	gattcctcca	gttttgttct	tttcactcag	gataccctta	28860
actattctgg	gtcttttgtg	gttccacata	aatttttagga	ttgtattttc	tatttctgtg	28920
aagaatgtca	ctggtatttt	gatagggatt	gcattgaatc	tgtagattgc	tttgggtagt	28980
atggacattt	taacaacatt	gattcttcta	atccatgtat	atgggatatt	tttccatttt	29040
tgggtgtcttc	ttcaattttt	ataatctgtg	ttttatagtt	ttcattatac	agatctttca	29100
cttctttggg	cagggttaatt	cctagatatt	taattttatg	tgtggctatt	ataaatagga	29160
ttacattttt	atttcttttt	cacatagttc	actgttggca	tatagaaatg	ctactgattt	29220
tttataaaact	tttatgttat	gttcaggtgt	ataggtacag	gtttgttata	taggtaaact	29280
catgtcatgg	ggtttgtcgt	acagattatt	tcatcaccca	ggtactaagc	tagtaccat	29340
tagttatttt	ttctgatcct	ctccctcttc	ccactcttca	ccctcagtag	gccccagtg	29400
ctgttggtcc	cctctgtgtg	tccatgtgtt	ctaatacttt	agatcccact	tgtaatgtgag	29460
aacatgcagt	atttggtttt	ctgttcctgt	gttacttttc	taaggataat	ggcctccatc	29520
tccatccatg	ttcctgcaaa	ggatataatc	tcattctttt	tatggctgca	tagtattcca	29580
tgatgtatat	gtaccacatt	ttcttttttt	ttcccttcaa	cttttatttt	aagttcaaga	29640
gtacatgtat	gtacaagatg	tgcaagtttg	ttacataggt	aaatgtgtgc	catggtagtt	29700
tactgcacag	atcatcacat	cgcctaggta	ttaaggccag	catccattag	ctattcttcc	29760
tgatgtctct	cctccctcac	cacacccctt	ccgacaagcc	ccagtgtatg	ttgttgcccc	29820
ctcacatgtg	tccatatgtt	ctcatcattc	agctcccact	tataagtgag	aacatgtagt	29880
gtttgggttt	ctgttcctgc	attagtttgc	tgaggataat	ggcttccagc	tccattcatg	29940
tccctgcaag	gaacatgatc	tcattccttt	ttatggctgc	atagtattcc	atgggtgata	30000
tgtaacacat	tttctttatc	tagtatatca	ttgatgagca	tttaggttga	ttccatgtct	30060
ttgctattgt	taatagtgtc	gcagtgaaca	tatgtgtgca	tgtatctttg	taacagaatg	30120
atttatattc	ctttggatat	agaccagta	atgggattgc	tgggtcaaat	ggattttctg	30180
cttctagggtc	tttgaggaat	tgccacacta	tcttccacaa	tgattgaact	aattcatact	30240
cacaccaata	attccttttt	ctccacaaca	ttggcgactt	ctgttggttt	ttttgacttt	30300
ttaataatag	ccattctgac	tggcatgaga	tggatatctca	ttgtgggttt	gatttgcatt	30360
tctctaata	tcagtgatgt	tgagcttttt	ttttcatatg	tttgttggcc	agatgtatat	30420
cttcttttga	gaagtgtctg	ttcatgtcct	ttgcccactt	tttaatgggtg	ttgtttgttt	30480

ttcttgtaaa	ttggcctaag	ttccttgtag	actctgggta	ttaaacccttt	gtcagataga	30540
tagattgcag	aaatctttct	cccattcttt	aggttgctctg	tttgctctaa	taatagtttc	30600
ttttgctgtg	cacaagctct	taagtttaat	tagattccat	ttgtcatttt	tgctttcatt	30660
gcaatcactt	tcggcatttt	tgatcatgaaa	tcttttcctg	tgcttatgtc	ctgaatgggt	30720
ttgcctagac	tttcttctag	agtttttttt	tatagttttg	ggttttacat	ttaagtcctt	30780
aatccatctc	cagttaattt	ttgtatgtgg	tgtaaggaag	gggtccagta	ttaatcttct	30840
gcatttggct	agccagttcc	cctagcgcca	tttgttaaat	agggaatcct	ttccctattg	30900
cttgtttttg	tcaagcttgt	caacagtcag	atggtggtag	gtatgtgggc	tgatttctga	30960
gctattttgt	ttcattgggt	tatgtgtctg	cttctctaca	actaccatgc	tatttgggtt	31020
actgtagcct	tgtactatag	tttgaagttg	ggtagtgtga	tgcccaagc	tttgttcttt	31080
ttgcttaata	ttgccttggc	tattagggct	cttttttggt	tccatatgaa	ttttaaaatg	31140
atcttcttct	aattctgtga	agaatgtcaa	tggtaattta	atgggaatag	cattgaatct	31200
ataaattact	ttgggcaata	tggccatttt	catgatattg	attcttccta	tccatgagga	31260
tgaaatgttt	ttccgtttgt	ttgtgtcttc	tctgatttct	ttgagcagtg	gtttgtagtt	31320
ctccttgaag	aggctcttca	cttcccttat	tagctgtatt	cctaggtatt	ttattctttt	31380
tgtagcaatt	acgaatggga	gttcattcac	aatttggctc	tctgcttgcc	tgttgttggt	31440
gtataggaat	gctagcaatt	tttgcacatt	gatgtttata	tccttagtct	ttgctgaagt	31500
tgcttatcag	cttaagaagc	ttttgggctg	agacaatggg	gttttctaga	tataggatcg	31560
tgtcatctgc	aaacaaagat	aatttgactt	cttctcttcc	tatttgaata	ccatttattt	31620
ctttctcttg	cctgattgcc	ctggccagaa	cttctaatac	tatgttggat	agaaatagtg	31680
agatagggca	tccttgcttt	gtgccagttt	tcaaggggaat	gcttccaact	tttgccattt	31740
cagtatgata	ctggctgtgg	gactgtcata	gatggctctt	attattttga	agtatgttcc	31800
ttcaatacct	agtttattga	gagcttttaa	catgaaggga	tgttgaattt	tatcgaaggc	31860
cttttctggg	cctattgaga	taatcatgtg	gtttttgtct	tttattctgt	ttatgtgatg	31920
aatcacattt	attgatttgc	atatgttgaa	ccaaacttga	atctcaggga	tgaagccaac	31980
ttgatcgtag	tggatacgct	ttttgatgtg	ctgctggatt	tggtttgcca	gtattttatt	32040
gaggattttt	gcctcaatgt	tcatcaagga	tattggcctg	aaatcttctt	tttttgttgt	32100
tgtatctctg	ccaggtttgg	tatgaggatg	atactggcct	caagaatgag	ttagggagaa	32160
gtccttcctt	ttcaatcttt	tggaaaagtt	tcagtagaaa	tggtagcagc	ttttctttgt	32220
accgctggta	gaattcagct	gtgaatctgt	ctgatcttgg	gctttttttg	gttgtaggc	32280
tatttgttac	tgcccaattt	tcagaacgtg	tcattgggtg	attcagggat	tcaatttctt	32340
tctgcttcag	tcttgagaag	gtgtatgtgt	ccagggaattt	atccatttct	tctagattct	32400
ctagtttatg	tgcatcacagg	tgtgtgtagt	attctctgat	ggttgtttgt	atttctgtgg	32460
gatcagtgat	gatatcccac	ttaacatttc	tgatttgtgtc	tgtttgattc	ttctctcttt	32520
tgttctttat	tagtctagtt	agttgcctat	ctttttatta	attttaaata	aaacagctcc	32580
tggattcatt	gatttttttg	aaaggttttt	tgtgtctata	ttttcatttc	aactctgatc	32640
tgatcttggg	tatgtcttgt	cttcttctag	ctttgaaatt	tgtttgcttt	tggttctgtc	32700
attcttttag	ttgtgatatt	aggttgttaa	cttgagatct	ttctagcttt	ttgatgtggg	32760
catttagtgc	tataaaattt	cctcttaaca	ctgcttcagc	tgcacccag	agattctggg	32820
atgttgtctc	tttgttctca	ttagtttcaa	ggaatttctt	gatttctgcc	ttaattttgt	32880
tatttaccca	ggagtcattc	aggagcagg	tgttcaattt	ccatgtagtt	gtgtgggttt	32940
gagtgaattt	cttaatcttg	agttctaatt	tgatttgtgtc	tggttcagaa	agactgttat	33000
gatttcaata	cttttgcttt	tgtgaaaaa	gtgccatgtg	gtgatgagaa	gaatgtatat	33060
tctgttggtt	ttgggtggag	agttctgtag	atatctatca	ggctctcttg	atccagagct	33120
tagttcagg	cctgaatatc	tttgtttaatt	ttctgtctca	gtgatatgtc	taatattttc	33180
agtggaggtg	caaagtattt	cactattatt	gtgtgggagt	ctaagtctct	ttgtaggtct	33240
ctaagaactt	gctttatgaa	tctgggtgct	cctgtattgg	gtgcatatat	atttaggata	33300
gttagctctg	cttggttgaa	tgaacgcttt	accattatgg	aatgcccttc	tttgtctttt	33360
ttttatcttt	gttgggtgaa	agtgtgtttt	gtcagaaact	aggactgcaa	cccttgcttt	33420
tttctgtttt	ccatttgcct	cataaaattt	tctccattcc	cttattttga	gcctatgtgt	33480

gtctttgcac	ttgagggtggg	tgtcttgaag	acagcatact	gatggccctt	ggctgtttat	33540
ccagcttgcc	attctgtgac	ttttaattgg	gggcatttag	cccatttata	tttaaggtta	33600
gtattgttat	gtatgaattt	gatcctgtca	tcattgatgct	agctggttat	tttgctgact	33660
tgtttttgtg	gttgcttcat	agtgtcactg	gtctgtgtac	tttagtatgt	ttttgtagta	33720
gctggtaaca	gtttttccct	tccatattta	gtgcttcctt	caggagtgtg	tgcagggcag	33780
cctggttgtg	acaaattccc	tcagcatttg	cttgtctgaa	aaggatctta	tttctccttc	33840
acttatgaag	cttagtttgg	cccgatgtga	aattctggat	tggaaatatt	tttctttaag	33900
aatgttgaat	attggtttcc	agtctcttct	ggcttgtaga	gtttctgctg	aggagtccac	33960
tgttttctgt	tgggcttccc	tttgtaggtg	acctggactt	tctctctggc	tacccttagc	34020
attttttttt	tcattttcac	cttgagagaat	ctgatgatta	tgtatcttgg	agttgatctt	34080
cttgtggagt	atcttactgg	ggttctcggc	atttcctgaa	tttgaacttt	ggcccatctt	34140
gctagcttgg	agaagttttc	ctgtatgcta	tcctgatgca	tgtttttcaa	ctcagttcca	34200
ttctgccccct	ctctttcagg	taccccagtc	aagtcatagg	tttggctctct	ttacataatc	34260
tcataatttct	ctgagggtttt	gttcatttct	tctcttttta	tttgtttctg	tattcttgct	34320
tgcctgtcta	tatgcagaaa	gatagtgttc	aagctctgaa	attctttcca	ctgcttggtc	34380
catcctatgg	atacttgtga	ttgcattgtg	aagttcttgt	gtattacaag	aactttattt	34440
ttttatcttt	atccagtcta	ccattgatgg	gcatttaggt	tgattctatg	tctttgttat	34500
tgtgaataat	gctgtaatga	acatactaga	atgattcatg	tttatttggg	taaatgtgtg	34560
ttgatttcgt	atcctgcagt	tttattgaat	ttatcagttc	taatcatttt	tcttgtggag	34620
tcttttaggtt	tttccaaata	taagatcata	ttgtctgcaa	acaatgatca	tttgagttat	34680
tccttttcaa	tttggaatgct	ttttatatct	ttctcttatc	taattgctct	agctaggact	34740
tccagtagta	tgttgaataa	cagtgatggc	agtgggcata	cttgttgtgt	tccagatttt	34800
agaggaaagg	ctttgtcctt	cccctatgcc	ccaggtaggt	ccaggagtca	aggactagag	34860
tccaaaacct	tagaagtcta	cctggtatct	tattatactg	tggctgagct	ggccctcaga	34920
ccacaagaca	cagtccttcc	cactcttctc	tcccctttcc	aaaggcagag	gaactgcctt	34980
tagtagagac	aggggtttcgc	catgttggcc	actgccaaac	cagcccatga	ggaggactgc	35040
cagactactg	ctgatgttcc	cttaaggccc	aagttctctt	aaatcagctt	gtcctgaatg	35100
ttacctagcc	tgagactcac	ccttcaggac	agtgggctcc	cctctggccc	agggaaggct	35160
cagaaatgct	gccccagggt	caagtcctgt	aatcaggggac	tccaagagcc	ctcttggtat	35220
tctaaccctt	tgtatctgtg	gtgggtacct	aggtgcaaga	caaagtccct	tttacatttc	35280
cttctgcttt	tatcaagcag	aagttttgtc	ctgcagccac	cacagctggt	aatgtactga	35340
gttctacctg	aagccaggaa	gtctcagagg	ctcacccaag	gccctcaaca	tagtccctgg	35400
ttattgtctg	tggttattca	gaaccaaggg	ctcttcactt	agcagggtgat	aaatgccggc	35460
agggctgggt	cctttccttc	aatgcagtgg	gttccctctg	gcccagggtg	tgtctagtaa	35520
tgtcacctgg	tttctagggc	ctagaatgga	ggcctcatga	ctctgaccag	tgccctatcc	35580
tgctgtggct	gcgctgggat	cctagacgca	agacaatggt	ctccccactt	ctccctctcc	35640
tattctcaag	tgggaaggaa	gggtctcttt	tggagctgta	agctgtgtag	cctggggtaa	35700
ggggaggggt	gatgccaaata	ctctcttggc	tgccccagct	ggtgtctcag	taggttgcat	35760
gcaactccag	tctgctgtct	ctgggcctag	ttcagcacca	ggactcacct	aagagttgca	35820
gtccttatgg	cctagactgc	ttttgaagtt	tacttggaga	caaagagcac	tgtggccttc	35880
actggtgagg	tttacaggca	ctcaagttta	gaccactggg	attggtgatt	cttctctggc	35940
tagggctggt	ttaaatcctc	cctccgtttg	cacatttcag	ctgagtttga	tctagtttgc	36000
ctttctgctc	tgatttctgg	ttcttatgaa	gggtgttttt	tctgtgtaga	cagctgttaa	36060
cttgggtgtc	ttgcagaggg	aatgatcagt	ggagccttct	atttcgccat	cttgatccgc	36120
cgccatatat	cattcttatc	aatcattttc	tgtttatgca	cctgaaaata	cactggtata	36180
caaaaattaag	atccttactt	tcacagaatt	tgtgttctaa	tggggggaagt	caataatcgg	36240
tggacaccaa	tacatatata	aattaaataa	cacattaaaa	ggtgttgagg	acatgctggg	36300
catggtggct	catacttgta	atcccagcac	tttggggggc	cgaggcgggt	gcatcacttg	36360
agatcaggag	tttgagacaa	gcctggccaa	catggtgaaa	ccctgtctct	actaaaaata	36420
caaaaattag	ctgggtatgg	tggcaggtgc	ctgtaattcc	agctactagg	gaggctgagg	36480

caggggaatc	gcttgaagct	gggaggcaga	ggttgcagtg	agctgagatc	ctgccactac	36540
actccagcct	ggacaacaga	gtgagactct	gtctcaaaaa	aaaaaaataa	ataaaaaataa	36600
aagctgttga	ggacaatgga	ggaaaaggca	gatcagagaa	agaacattta	caaaaagccag	36660
agggagtgtg	aagcaatttt	aaatgagggtc	agattttttgg	ataattttcta	ttgctatggt	36720
tttaagttaa	ccaatgtttc	tttttgcaat	gtctgatctg	ttacattttt	atttcagata	36780
ttatatgttt	atctctagaa	gttctattta	gatctccttt	ttatctttca	attctctcct	36840
cattttgttc	atattttgct	ttatatccta	gagcatattt	ataatagttg	ttttaagggtt	36900
cttgtgtgat	agttatatca	tttctgttat	ttctgtgtct	gatattattt	atctattttt	36960
taaaacttta	tgggtatagg	tcatattttt	tcatttcttt	gaatgcctgg	tgattatttt	37020
gaattttaca	ttgttgagca	ctggatgttg	ttatatcct	tttaagagca	ttgagttgtg	37080
ttctggaatg	cagttgagtt	tttacagatc	actttgatcc	atttgagact	ttccttttagg	37140
gtatatccag	agtaacatct	agtttagagt	taatttgttt	ttactactaa	gatgtggcct	37200
ttctgaggat	tttatccaat	gtcctgtgta	ttttgggggtc	tctccacact	ggctgatgga	37260
aacacagggt	agtctcagcc	ctgtgtgagc	tccaggaatt	actcagctat	tgccctatcag	37320
tgtttttttc	ttcaactcca	agtagtttct	tccagctcat	atccaaatca	tacttaggag	37380
aagactgggg	gggatcctct	gcagatttcc	aaagtgtctc	ccccactctc	tgtatctccc	37440
tcttcttcat	tactctgtcc	cacaaattct	aaccacctca	acatccttaa	attccaatcc	37500
attccccctt	acctcaggta	gaattctagg	ttctgattgg	ttttccctcc	acgtgctgtg	37560
acctggaaat	gacctccagg	cagtatctct	taggaagccc	agttgtgtgg	catctgttgt	37620
acaatgcctg	aaaatgattc	tttcatgtgt	tttgtctggg	tttcaacttg	ttcacagaaa	37680
aaagcaattt	gcacagcagt	taattcttca	cagacagaag	cagaagttct	accaactgca	37740
aaacaaccaa	aacaacttgt	taaaagacag	tatttgtagc	actggtcata	aattacgtat	37800
agaagaatag	agattttgtg	agaaagatat	gggcctgtac	agaggggtga	acttgcaaat	37860
gaccatcttg	cttggggata	gtgtctgttt	tcctgatcct	aatcactggg	aaggattctg	37920
taatctctgt	caaataaatt	gcaaacacta	ccacacatgg	ccttgggtct	actactgtct	37980
atgacataaa	cagtttctcc	ctagagactt	agttgtgagg	gtacagggggg	aaggtagcct	38040
ttggagggggc	ctggaagacc	cttccctttg	tgcccttcgat	tctgtatata	tcttgtgggc	38100
agaagtctta	ccattaccct	ctctgataac	tccccacca	ctttcccaat	cactaaacac	38160
tttttgaaac	cattcaactc	tttcccttca	atgattgagc	ccttcattgt	ttcatcagct	38220
cctcttgtgt	gaatctctct	gaatgtgtgc	caagtttgca	gtttaatgcc	tgtcccatgt	38280
aggagcccaa	tatcacggta	tataaagttt	ctacactgga	tatccatgga	ctgaagaggg	38340
gcctagcatt	cagggttcca	agccagttag	tttagcttat	ccaagggtag	ctctagaatg	38400
tgctcagaaa	tttattccaa	gtcagagttg	catccccag	gacttttaggc	tcagatggac	38460
aaccccatca	tatttacaga	atccctcaaa	gataatttaa	gtttaagatt	gtcagcccac	38520
ctgggggtgca	cagtgttgac	cagggtttct	taaccttagc	actgttgaca	tttggggcca	38580
gataattctt	tgttgttcag	accatcctgt	gaattatagt	atgttttagca	gcaccttgg	38640
catctaccta	ctagatgtga	atagcatcct	tctcttaatt	ttgacaacca	cagatgtctc	38700
cagaattgcc	aaatgtcccc	taaagggtgca	aaattgcata	gttgagaact	actggtaaag	38760
aggcactatg	gcatgccaag	ctctagggag	cccacagaag	tgcacctctg	ggaactaaag	38820
ctgaagaaaac	ccaagaggcc	ccttgggtatc	ttcttggaag	aagttagtcc	agagtgtctg	38880
caccatgtgg	agtgtatact	gggatgacat	tgaccttgga	atgtaaactc	ctgggattct	38940
tgccctctgca	gatttggagc	agggttttct	tcttctctgc	ttttcagttt	acttatttga	39000
aaatgaggaa	tgggtgtttac	atcacaaaac	actgtagtga	ggacaaaatg	aggttttatg	39060
tatatataca	cccatacata	tacatataca	cttcttccaa	atgatataat	aatatataaa	39120
cattgaatga	ataatggttc	aaatataagt	gtacttattt	gccactatga	ttaaaagggc	39180
aatataggaa	aaatacatct	tcttctaata	catcatgttg	taataatcct	ccctgtgggt	39240
gcagtatggg	tctgtgctag	aaggcacaa	aggaaaatct	taactttaaa	aaaaaagaaa	39300
agaaaaaata	tctttctagc	aattaaaaat	tcaactaaat	tagaatgcaa	atagggtttt	39360
atatttgctt	cttaattttg	cattcaataa	tctgactaga	atatgcaata	atttaaatgc	39420
cttgatggga	gatagtggct	tttagttctc	ttgggatttc	attgtaataa	acctggtaaa	39480

taattcagga	acatatgaga	ggccaatgaa	tggtcagcac	ctggtgctat	attattttgtg	39540
cctaagcaca	cagactccaa	agatggcact	ctccacctgt	cactgttggt	ctggcttaaa	39600
catgggccct	gtgttcagtg	gctattgaga	taatagtaat	ggatattttt	gccttgcca	39660
attttcctcc	acaatcaaag	aaaactgtgc	taagctgttt	aaaaaataca	aagcagaagt	39720
ggcagcctct	tttagattac	cactggtaaa	atttcaaadc	tattttctct	attaagggat	39780
tgattgtttt	aaagaattag	ggatatggct	atcttttcta	ctggtgctaa	tttgagcctt	39840
tttgcccttc	tgtctttgtt	ccacaaggct	gagcttctct	ttagatcaca	ttattcatat	39900
tgcaaggatc	ttctgagaga	aataacacca	tcctctggcc	agccactcac	tctgcaggag	39960
ttcctagagc	tccccagttt	ctttccctat	tgcttgagta	gtctatctca	cgcctgttag	40020
tctcacagtt	taaatacaaaa	cacacaaaga	ctcttgagg	cagcttgggt	acctttcttt	40080
gaccccgagc	gactggacat	agagaacaag	agctagagag	aacaagagct	agagtgaccg	40140
acagatcatg	tgtggagaca	gcatggggca	cctgagccca	gcacatcca	ggatcagaca	40200
gaacttaagc	catgagctgc	ctagaaagat	cttggggagg	cactgggttt	cccagtatgg	40260
aaaaaagaaa	aatgtggctc	acaagtctaa	gctaaggctc	ttacagtact	gggccataaa	40320
caggatctga	aaagaaactg	cagaaaatgt	tagatatgct	ttatctttgt	tttaaaaata	40380
ttatttacta	taatggctta	aaatatgttg	atttaaatat	atgatatgtg	atacctttgt	40440
aatatatata	ataaaagtga	taataaaaata	taactatata	attaaaaatg	atgatatgtt	40500
aaaacctctc	taataaaacca	tttacgtgtg	tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	40560
tgtgtgtgtg	tatacatgcc	tttgtttaac	aggtttaatt	gctttccttt	cttcaggaac	40620
cagagtgagg	gtactcgaac	agtgactgcc	atctgggtgt	taaccagaat	catcaccttg	40680
tgtagcctga	tggttactaa	gatgtccact	cttgactcac	atggcatgca	ctcgagcag	40740
gggaccagtt	gaaggatgtc	tgactttgga	gggtcaccag	ttgaaggatg	tctgatgaag	40800
gagcctagcg	aaataaccct	ttgcttctac	ctgaatgggt	tgttcactct	ggattctgag	40860
cctgcagcca	gctccaaaat	ggggcctctg	aagaaaagat	ttgagttgct	cttgtgtctt	40920
agtcaaaagt	ctacatccct	accagtgggt	aaccaagact	gtgaataagc	acacaccaac	40980
aggggcatgt	ggtgacatgg	agcctgaaat	aaactgctct	gaattgtgtg	acagttttcc	41040
tggccaggag	ctggatcgga	gaccccttca	tgatctctgc	aagacaacaa	ttgtaagtga	41100
gcagccacag	gatgccaggg	ctgctcagat	gtatgtgtgtg	gtgggtgtgt	tggggaggag	41160
gaggtggagg	gaaaggggga	tgagggaagg	gaggagtggg	aggagaaact	gctcatgcag	41220
gatacatatt	tcccagcact	tggtgacgat	ggggcagttt	gtttttgacc	tatagaagat	41280
ccttcattcc	taacagctcc	tccttattct	gtcctcagac	atcttccac	cacagcagta	41340
agaccatctc	ttcattatct	cctgtcctct	tgggtattgt	ttggactttt	ctcagctgtg	41400
gacttctgct	gatacttttc	tttcttgctt	ttacaattca	ctgcaggaag	aacaggtaag	41460
cagcccagtt	tctcatcaca	catagctcaa	tcataaaatc	caaagtgtta	gtatcttttg	41520
gcagcacaag	ccactatctg	gtctcccact	acaggattaa	accacatgag	acattccctc	41580
tgaatatagtc	tacctgttga	gaaggggaaa	gatctagggtc	ggatattgtgc	taactactgc	41640
aagggtatcc	aaagaagaga	atgaagagtc	tctctctata	atggagggtac	aatccttctg	41700
agaagatgag	gtatctgtat	ttaaaatgaa	gaccatgtag	aggattccaa	aacaacacaa	41760
aaacttgagg	acagcacagc	agaaccagtc	tgggtgagtt	agggtttctg	caaaagcagt	41820
gaagcactgc	tacctggcta	tttgctagat	aattctggct	gactagaaaag	tcatcagctt	41880
atcagggttaa	gtatggctcc	caggattcgc	aaaagaagca	aatgggtgac	ttttttctga	41940
agggacttat	agcaccttgc	cttggatgca	atttcatcct	tcctcagggc	ccatcccatc	42000
tctcccaccc	ccacactgta	ccctcatcct	accacagccg	tcccaggggtg	cctcatgaga	42060
agccctgctc	cagccctctc	cttagccac	agctgacttc	tagatggagc	ccacaatcag	42120
aaattaacaa	cttcctcaaa	ccagccaaac	tcgtccagcc	ccactccagc	cttaccctgt	42180
gtgggtgacca	agcatgtcgt	gctccattgc	ctgtggattt	gacactcaga	tgagaattgg	42240
tcagttgcat	tttgggatgc	tgttttgcca	tgttaggcat	ggaggacgtg	gaattgttaa	42300
gcagcagtga	ttggttgttg	ggtcagcctc	agcatgggtg	tgatacgtgg	cactccaact	42360
agagtatacc	ccagagactg	cctcagccac	ttttcattct	gttcctcaag	cacactacgc	42420
tgactcccat	ctcaaggctt	ttgtacttac	tgttcctgta	ctgttccctc	tgcttgggaag	42480

tcctcctcag	atattcccat	gactagttcc	ttctcatctt	ataggtcttg	gctccagtgt	42540
cacctcttca	gagacacctt	ccctgatcat	cctatctaaa	gtagtatccc	tacccatgat	42600
cacccccctca	tctcattcca	tatcctatca	gcctgtttta	tgttccttat	agcaagcata	42660
gtctgctatt	accatatttg	ttgatttacc	tgttgattgt	ctgtatcccc	taccagaatg	42720
gaattctgtg	aacacagggga	ctttgcctgt	cctcttgtgc	ccaccactgt	gtctccagca	42780
tttagaacag	actctgggat	ataatagggtg	ctcagtaaat	atgcatccag	tgatcctggg	42840
aggaaagaga	tttaaattccc	aacggtggct	gctgccaaca	aagtgactgg	gaaaatcatg	42900
catttcaagg	ttagagaact	atggagtaca	gtcttttcag	ctgtaacatg	tttctataat	42960
gcaaaagtaat	actcaattgg	tattacccag	ttggtaataa	gaaaattatg	tcattgattc	43020
atatgttact	tttccccccag	caaatcaata	atttaaacaat	tcaggggcaa	gctttctcac	43080
agctagtaaaa	ggaagcttta	agcttggcag	ttccttccct	tggtgcaagt	agtgtctggc	43140
ttaatggctt	aagaacttgt	gtcttcccta	caagatgagg	ctgtaggagt	agatgaagaa	43200
gtggagaaga	catttgccctt	atgtttaaaa	acttcagttg	attgttaaag	aaagcacaga	43260
tccagagcag	atttttaatt	ttttgacaat	gttatctact	ggagatgaat	gcccctgagg	43320
acctgtgtct	tgagatttaa	gactgtagaa	gttgactttg	atcctgggta	caaatgctag	43380
tggacattta	ctgggtggta	gtgttttagt	tggtaataat	aatattttat	taatactctt	43440
gttacaaaagt	taactgtttt	gagtgttatg	accccatcct	attttcccca	cagtctatta	43500
tttttacata	taattttgca	gaatacaagg	tttatcaagt	atttatatat	cctgttaaaaa	43560
caggaacacc	tgtaaacagc	attatactag	aaacccttat	atttctttca	ctctattaaa	43620
tattttgctg	cctgttttgt	ttgcagtggg	agcatgactt	ggcataaaga	ataaaatatt	43680
aagaggatatt	gtgaataaaa	acacatttta	caattaagtg	gcttacaagg	tcagacaagg	43740
aaagataaaa	taaccagttt	tcaaaaagtg	tttattgaac	aatacatttg	ttaaaagatg	43800
cagcatcaca	atcagatgct	ttatttctgt	acaattctgt	ggctctctaaa	tttgggactg	43860
tgtgtgtgag	tattcatgtg	tgtgtatatg	caagaaaagga	gaggaagaaa	aatatttttaa	43920
cacaataaaa	ataatacaaaa	aatgttttaa	tccagttgca	gatattgaat	ttttataaaa	43980
atttcaaaaa	ccagtaaaga	taaagaaaac	ttgaacacta	tcaaccaact	tgacccaatt	44040
gacatttata	ttacctttca	cccaacaaca	gcagaataca	tattcttttg	aagtacacat	44100
ggaacattta	ccaagatata	tcataattctg	ggccatagaa	aaagtctcat	taaattttaa	44160
agggttcaag	ccgggtgcag	tggctcatgc	ctgtgatccc	agcactttgg	gaagctgagg	44220
cggatagatc	accagaggtc	agcagtttga	gaccagcctg	gccaacatgg	tgaaaaccca	44280
tctctactaa	aaatacaaaa	attagatggg	tgtggtggca	tgcacctgta	gtcccagcta	44340
cttggggaggc	tgaggcagga	gaacccggga	ggcagagggt	gcagtgagct	gagatcatgc	44400
cactgcactc	cagcctgggt	aacagagcaa	gactctgtct	caaaaaaaaa	aaaaatttaa	44460
ggattcaagt	catataaact	atgttttctg	acaatgaaat	taaaatggaa	atcaataaca	44520
gaaagatctc	tggaaaaatcc	tgaaatatit	agaaactaca	tagaacactt	taatccatgg	44580
tcaaaaaaga	aatcaaaaagg	aaaactagaa	aatattgacc	agaattaaaa	tgaaaataca	44640
acctagattt	gttggatgcc	actaaagcag	tattaggggg	aaatctagag	aactaaaccc	44700
catattagaa	aagaagaaat	gtctcaaatc	catgacctca	tcttccacct	tacaaacaga	44760
aaaaaagagc	aaatgagacc	caaagtaagt	agaagaaaagg	aaataataaa	gatcagggtta	44820
gaaaaataaaa	taggaaacag	aaaacaatag	gaaaaaaaag	tcagtaaagc	caaaaagctat	44880
gaagataagt	aaaactgatc	aacctctagc	caaagtgatc	agaaaaaaaa	gaaataagat	44940
acaattaccc	aaataaggaa	tgggagagggt	gacatcacta	tagattctgt	agatatgacg	45000
gataaggtaa	tgttgtaaac	aactatggta	gatagcctct	aagatgttct	tcgatgattc	45060
ccacctcctt	gtagtcacac	tcctatgaag	tcctctctcc	ttgagtatga	ggtgaactta	45120
ctaacttgct	ttttagttag	atgtcgcttt	tggcattagt	tcacaaaaac	tgtggcttcc	45180
accttagagc	tctctcattg	tcccactaac	tcccactctg	tgggaggcca	gctgttgtgt	45240
tataagctgt	cctgtaaaaga	ggccccatt	ggcaagggaac	tgatgtttcc	agcctgcagc	45300
cagcaagtac	ctggggccttg	ctaacagcca	tgtcagtgaa	ctttgaaaca	ggtgacacct	45360
tgactgtatt	gttgtgacac	cttgactgta	ttcttatgtg	aaaacctgag	ccacaggcac	45420
ccaactaagc	tgtgacttag	aaatattacc	agttcaactt	caaactcttc	taaaaaaact	45480

gaaaataaaag	aagtaattcc	caactcattc	tatgagggca	gtattaccct	gatttcaaaa	45540
ttgaatagga	aaaagaagaa	ggagaaggag	aagaaggaga	aggagaagga	agaggaggag	45600
gagaaggaga	aggaggagga	ggaggaggag	gagaagaagg	agaaggagaa	gaagaagaag	45660
aagaggaaga	ggaagaggag	gaagaagaag	aagaagaagg	gaggaggaaa	gctataggct	45720
aatatgtcct	ataaacatag	attcaaaaatt	ttaaacaaaa	ttttaacaaa	ttgagtatca	45780
ccaaatgtta	aaaagagaat	acatcattgt	gacaacgtga	ggtttatccc	tggaatgtaa	45840
gctttgttta	atatctaaag	attgatcaat	aactcatgac	atttaccac	taaaaaagaa	45900
aactatatga	tcatctcagt	agatacagaa	aaatTTTTga	caaacttcaa	catcaatttc	45960
tgataaaagtc	tcaacaaaca	gcatagaaca	gaacttcctc	cccattgcgc	agcacagctg	46020
ctgtggcaga	ttgtggccag	actgcttctt	taagtgggac	cccgatccat	ccccctcac	46080
tgggcaggac	ctccttgtga	gaatttcagc	aactccagcc	agggttttat	ggacagaact	46140
ctgatctctc	tgggacagag	cccctcaggg	gaagggtggc	cacagtctct	gtgggttcagc	46200
caacttagcc	tttctgcct	gctggctctg	gagagtctgg	gcagtctgga	caaaagggga	46260
tccccccagt	gcagtgcacc	cagtcccca	aggggcagcc	agactgcttc	ttgaggcagg	46320
tccctgatcc	cattcctcct	gactgggtga	gaactcccaa	agggatcccc	agacacctct	46380
tacaggagtg	tttgggcccag	cgtcagtttg	gagcaggcag	ccatctttgc	tgttttgcac	46440
cctttgctgg	tgatagtgat	acctccaggt	gcagaaggga	cccaggtgat	tagggtctgg	46500
ggtggaccac	tagcaaacca	cagcagccct	gcagaagagg	agcctgactg	ttaaaagaaa	46560
aacaaagcag	caacaacaac	ataaacaaaa	aagatcccca	aaaaaaccca	ttgaaaggtc	46620
agcaacctca	aagactgaag	gtagataagc	ccacaaagat	aagaaagaat	caatgcaaaa	46680
atgctgaaaa	ctcaaaaagc	cagagtgcct	cttctccaaa	tgattgtaat	acctctccag	46740
caagggcaca	gaactgggct	gagactgaga	tggctgaatt	gacagaagta	gccttcagaa	46800
tgagggtaat	aacgaacttt	gctgagctaa	aggaacatgt	tctaacccaa	tgcaaagaag	46860
ctaagaatca	tgataaaaca	ttacaggagc	tgataaccag	aatagccagt	ttagagagga	46920
acataaaaaca	cctaattggag	ctgagaatca	caacgtgaga	acgtcacaat	ccaatcacta	46980
gtgtctatag	ctgagtagac	caagcagcag	aaagaatctc	agagcttgaa	aactgtcttt	47040
ctgaaataag	acaggcagac	aagaatagag	aaaaaagaat	gaaaacaaac	aaaacctcca	47100
agaaatatgg	gattacgtaa	aaagaccaaa	cctacaactg	attggagtac	ctgaaagaga	47160
tgggggagaat	ggaaccaa	tggaaaacat	acttcataat	gtcatccagg	agaacctcgc	47220
caatctagca	agacaggcca	acattcaaat	tcaggaaatg	tggagaaccc	cagtaagata	47280
ctccacaaga	agatcaaccc	caaaacacat	aatcatcaga	ttaccaagg	tcaaaatgaa	47340
agaaaaaatg	ttaagggcag	ccagagagaa	aggccaggtc	atctacaaag	ggaagcccat	47400
cagactaaca	gtggacctct	cagcagaaat	cctagaagcc	aaagaaactg	gaggccaata	47460
ttcaacaatt	tttttatttt	ttgttttttt	gagactgagt	ctcgctctgt	caccaggct	47520
ggagtgcagt	ggcgcgatct	cagctcactg	caagctccgc	ctccgggtt	cacgccattc	47580
tcctgcctca	gcctcccgaa	tagctgggac	tacaggcgcc	cgccaccgcg	cccagcta	47640
tttttgtatt	tttagtagag	acgggggtttc	actgtgttag	ctaggatggt	ctcgatctcc	47700
tgacctcgtg	atctgcccac	ctcggcctcc	caaagtgtg	ggattacagg	cgtgagccac	47760
tgcgcccggc	ctcaacattc	ttaaagaaaa	gaatttccaa	cccagaattt	catatcaggc	47820
caaattaagc	ttcataagtg	aagaagaaat	aagatccttt	tcagacaagc	aaatgctgag	47880
ggaattgtta	caaccaggac	tgccctgcaa	gtgctcctgc	aggaagcact	aaatatggaa	47940
agaaaaaact	taccagccac	cacaaaaaca	cactgaagta	cacagaccag	tgacactatg	48000
aaggaaccac	ataagcaagt	tggcaaaata	aacagctagc	gtcatgatga	caggatcaaa	48060
ttcacacata	acaacactaa	ccttaaatgt	aaatgggcta	aatgccccca	ttaaaagaca	48120
gagaatggca	agctggccaa	agagcaaaga	cccgtcagca	tcagcaaaca	cccagatgct	48180
gtcttccaga	gacctatctc	aagtgcagag	acacacatag	gttcaaaaata	aagggaatgga	48240
ggaaaaattta	ccaagcaaac	ggaaaaacaga	aaaaagcaag	ggttgagtc	ctagtttctg	48300
acaaaaacaga	ctttaaacca	acaaagataa	aatagacaag	ggcattccat	aatggtaaaa	48360
ggctcaattc	aacaagtagc	gctaagtatc	ctaaatacat	atgcacctaa	tatgggaaca	48420
accagactca	taaagcaagt	tcttagagcc	ctacaaagag	acttagactc	ccacacaata	48480

atagtgaag	actttaacac	tccactgaca	atattagaca	gatcattgag	acagaaaatt	48540
aacaaagata	ttcaggacct	gaactaaact	ctagattgaa	tggacctgat	agttatctac	48600
agaactctcc	acccaaaaac	aacagaatat	acattctttt	catagccaca	tggcactcta	48660
aaattgatca	tataatcaga	agtaaaacac	tcctcagcaa	atgcaaaaaga	actgaaatca	48720
taacaaacag	tctctccaac	cacagcacaa	tcaaattaga	actcaagaat	aagaaattca	48780
ctcaaaacca	tacaactaca	tggaaatgaa	caacctgctc	ctgaatgact	cctgggtgaa	48840
taatgaaatt	aaggcagaaa	tcaagaagtt	ccttgaaact	agtgacaaca	aagagacagt	48900
gtaccagaat	ctctgggaca	cagcgaaaagc	tgtgttgaga	gaaatttata	gcactaaatg	48960
cccacatcaa	aaagctagaa	agatctcaaa	tcaacaacct	aacatcacaa	ctaaaaaac	49020
tagacaacca	agagcaaaaca	aatcccaaag	ctagcagaag	acaagaaata	accaagattg	49080
gagtgggaact	gaaggagata	gagacacaaa	aaaaaatattc	aaaaaaccaa	caaatccagg	49140
agctgatttt	ttttgaaaaa	aaaaaagtta	ataaaataga	ctgttaccta	aactaataaa	49200
gaagaaagag	aagaatcaaa	tagacacaat	gacaaatgat	aggggggata	tcaccactga	49260
cctcacagat	acaaacaacc	atcagagaat	gctataaaca	cctctatgca	cataaactag	49320
aaaatctaga	aggaatgggt	aaattcctgg	gcacaaacac	ttgcccaaga	ctgaaccagg	49380
aagaaattga	atccctgaat	agaccaataa	tgagttctga	aattcaggca	gtaacaaata	49440
gcctagcaac	caaaaaaagc	ccaggaacag	acgaatttac	agctaaattc	taccagaggt	49500
acaaagagga	gctggtacca	tttcttctga	cactatttca	aacaattgaa	aaggaggggac	49560
tcctccctaa	ctcattctat	gagaccaaca	tcctctgat	acaaaaacct	ggcagagaca	49620
caataaaaaa	acaaaacctc	ggacaaatat	ccctgatgaa	catcaataca	aaaatcctca	49680
ataaaatact	ggcaaaccaa	atccagcagc	acatcaaaaa	gcttatccac	cacgatcaag	49740
ttgacttcat	ccctgagatt	caaggttggt	tcaacatatg	caaatcaata	aacgtaactc	49800
atcacataaa	ccacatgatt	atctcgatag	acacagaaaa	ggcctttgat	aaagttcaac	49860
atctcttcaa	taaactctca	ataaactaag	tattgaggaa	tatacctaaa	aataacaaga	49920
accatctatg	acaaacccac	agccagtatc	atactaagta	ggcaaaaagct	ggaagcattc	49980
cccctgaaaa	ctggcacaaag	acaaggatgg	cgtctctcac	cacttttatt	caacctagta	50040
ttggaagttc	tggccagggc	aatcaggcaa	gagaaagaaa	taaagtgtat	ctaaatagga	50100
agagaagaag	tcaaactgtc	tttgtttgca	gatgacatga	tcctatgtct	agaaaacccc	50160
atcgtctcag	cccaaaacct	tcttaagctg	ataagcaact	tcagcaaagt	ctcaggatac	50220
aaaatcaatg	tgcaaaaatt	gctaacattc	ctataaacca	acaacaggca	agcagagagc	50280
caaatcatga	atgaactccc	attcacagtt	gctacaaaga	ataaaaatacc	taggaataca	50340
gctaacaagg	gaagtgcagg	gcctcttcaa	ggagaactgc	aaaccactgc	tcaaggaaat	50400
cagagaggac	acaagcaaat	ggaaaaacat	ttcatgctca	tggataggta	gaatcaatat	50460
tgtgaaaatg	gcatatggc	ccaaagaaat	ttatagattg	aatgctattc	ctattaaact	50520
accattgaca	ttcttcacag	aattagaaaa	aactattata	aaattcatat	ggaacccaaa	50580
aacagcccca	atagcccca	tatctttttg	cttaggattc	taagcaaaaa	gaataaagct	50640
ggaggcatca	tgctacctga	catcagactg	tagtacaaga	ctacggtaaa	caaaacctca	50700
tggtagtggt	acaaaaacag	atacatagac	caatggaaca	gaatagagaa	ctcagaaata	50760
agaccacaca	cctacaaaca	tctgatattc	aacaaatctg	acaaaaatga	gcaatgggga	50820
aaggactccc	tatttaataa	atggtgctgc	aaaaactggc	tagccatatg	tagaaaaattg	50880
aaagtggacc	ccttccttac	accgtataca	aaaattaact	caagatggat	taaagactta	50940
aatgtaaaac	ccaaaactgt	aaaatcccta	gacgaaaatc	taggcaatac	cattcaggac	51000
atagacattt	catgacgaaa	atgccaaaag	caattgcaac	aaaacccaaa	attggcaaat	51060
ggggtcta	taaaagagctt	ctgcacagca	aaagaaactg	tcacagagag	gaacagacaa	51120
cctgcagaat	gggagaaaa	ttttgcaatc	tatccatctg	acaaaggat	aatatccaga	51180
atctacaagg	aacttcaaca	aatttacaag	aaaaaaaata	ccccattaaa	aagtgggcaa	51240
agggcagtaa	cagtcacttc	tcaaaaagaag	acatacatgc	agccagcaaa	catgaaaaaa	51300
agctcaacat	cacagatcat	aagagaaatg	caaatcaaaa	ccacaataag	agggtgggtgg	51360
gtcacttgag	gtcaggagtt	caagactaga	tctagaatca	gaaataccat	ttgaccagc	51420
agtcttatta	cggggtatat	accaggaat	ataaatcatt	ctattataaa	gatacatgca	51480

tgcataactt	cactgcagga	ctattcacaa	taacagagac	atggaatgaa	cccaaagcc	51540
catcaatgat	agactggata	aagaaaatgt	ggtacatata	taccgtggaa	tactatgcag	51600
ccataaaaaag	gaataagatc	atgtcctttg	cagggaactg	gatggagcaa	actaatgcag	51660
gaacagaaaa	ccaaacactg	catgtttctca	cttataagtg	ggagctgaac	tatgagaaca	51720
catagacaca	tatgggggaga	acaacacaca	ctggggcctg	ttgggggaagg	ttgggggagg	51780
gagagcataa	ggaagaacaa	ctaattgatg	ctgggccttaa	tacctaggtg	atgggttgat	51840
ctgtgcagca	aaccacctgg	cacatgttta	cctatgtaac	aaacctgcac	aggtaccctg	51900
gaacttaaaa	gttaaaaaaa	ttttaaaaaag	aagagaactt	cctcaacctg	ataatgtgca	51960
tctataaaaa	aacctatacc	taacatcatt	tttaattgta	aaagaccgaa	tcctttccca	52020
ttaggatcag	aaagaagaca	agatatccac	tctcacgact	tctattcaac	actggagggtt	52080
ttagccagtg	caataaggta	agaaaaataa	acaaaagtca	cctacttttt	aaaaaaaagta	52140
agaatgaaaa	tattttttacc	ctcagatgac	ctgatcacct	atgtagaaaa	tccagtgaaa	52200
catttaaaaag	gaagaaacag	ggcaggcatg	gtagctcacc	cacccaaagt	gtaatccac	52260
cactttggga	agctgagaca	gaaggatcac	ttgaggtcag	gagttcaaaa	ccagcctggg	52320
cacagagtga	gaccttgtct	ctataaaaaa	ttaaaaaatt	agctgggcat	ggtggtgcat	52380
agcttttagac	ccaaacactt	agaaggctga	ggtgggagga	ttgcttgaat	ccaggagctt	52440
gaggctacag	tgagctaaga	ttgtgccact	gcactccaaa	ctgggtgaca	gagccagacc	52500
ctatctctaa	acaaaacaaa	actactagaa	ctaatacatg	agtttagcaa	ggttgcagga	52560
tacaagatca	atgtacaaca	ctcaactgta	tttccatata	ctaacaacaa	ataattgaaa	52620
aagtgaaatt	aaaagcaata	ccatttacaa	cagcatcaaa	tagatgaaat	atttagggat	52680
aacctaacaa	acaatgtgaa	atgcctgtac	actgaaaact	ttaaaacatt	gctaagagaa	52740
tttttaaaaa	tctaaataaa	tggagataca	ttgtgttgct	gggttggaag	actcaatatt	52800
gtttaaatgt	cagttcttcc	ctagttgatt	tatagactta	atccaataac	agtcacattt	52860
cctttttttg	tataaattga	caaactgatt	ataaaattca	tgtgaaaata	tgaaggacct	52920
agaatagaca	aaacaacttt	taaaaaagaat	gaagttggaa	gactaggacc	acctgatctc	52980
aagacatatt	acaaaactaa	cagtaatgca	gacagtttgg	tactgggcaa	ggatagacat	53040
attcatcaac	agaacagaat	agactacaga	aataaatcca	catgtatatg	gtcaactgat	53100
tttcaacaaa	ggtacaaagg	caattcagtg	gagaagggac	agtccttttca	gcaaatactg	53160
ctggaacaaa	tgtatatcca	tatgcaaaaa	tgaactttga	tctagctaca	tgttacacca	53220
tattaagaaa	ttaactcaaa	atggatcaca	gacctattta	taaaacctaa	acctgtaaag	53280
tttataaaaag	aaaacatata	agaaaaattt	tgtgaccttg	gaataagcaa	atatttctta	53340
ggtacaatac	caaaaagcatg	gtccataaaa	gaaaacactg	atgaattaga	ctttttaatc	53400
attaagaaca	tcttctcttt	caaagagaat	cttaagagaa	tgagaaaaag	ccacagacta	53460
gaataaaaata	tttgaaatca	tatatctggc	tgggtgtggt	ggctcacgcc	tgtaatccca	53520
gcactttagg	agggtgaggt	gggtggatca	cctgagggtca	ggagttcaag	accagcctgg	53580
ccaacatggt	gaaaccccg	ctctactaaa	aatacaaaaa	aaaatgagcc	atgcgtgggtg	53640
gaggcacctg	taatcgtagc	tactcaggag	gctgaggcag	gagaattgct	tgaactcagg	53700
aagcagaggt	tgcagtgagc	caagattgct	ccattgcact	ccagcctggg	tgacaacagt	53760
gaaactccat	ctcaaaaaaa	aaagaaaaaa	aaaaactcta	aaaacgcaat	acagtgggtgc	53820
tcccttatct	gtgggttttgc	tttccatggt	ttcagttacc	tgtggtcaac	catggcctga	53880
aaatattaaa	tgggaatattc	cagaaataac	caattcatag	gttttaaaatt	gtacaccttt	53940
ctgaggagca	tgggtgaaatc	tcatgctggt	ccactctggc	ccaccagga	cacaaatact	54000
ccttttgtcc	aacatatcca	tgccatatac	actacctgcc	tgttagtctc	ttagtagcca	54060
tcttgattat	cagattgcct	gtcatggtat	tgaagtgctt	tgtgttcaag	taacccttat	54120
tttgcggtgg	ccccaaagtt	caagagtaat	gatgctgaca	tattgttata	atttggtatg	54180
gtttggctct	gtgtccccac	ccaaatctca	tctcaaatg	taatcctcac	atgtcaaggg	54240
agggacctgg	tgggaagggtga	ttgggtgatg	ggggcagttt	ccctcatgct	gttctcatga	54300
tagtgaggga	gttctcacaa	gatctgggtt	tttgtttaagt	gtctggccct	ttccccctgca	54360
cactctctct	ctcctgccac	cttgtgaaag	tgtgtcttgc	ttcccccttg	cctttcgcca	54420
ttattgtaag	tttcctgagg	cctccccagc	catgcagaac	tgtgagtcaa	ttaaacctgt	54480

ttttctttat	aaattattca	gtctcatgta	gtacctttat	agcagtgtga	gaacagacta	54540
atacataatt	gttttattat	tagttatgg	tgccaatccc	ttactgtgcc	taattttataa	54600
attaaacttt	attataggta	tatatgtata	agaaaaatca	gtatatatgg	ggctcagtac	54660
tatccatgg	ttcaggcatc	cactgggggt	cttggaatgt	atccccctc	agataagggg	54720
gactattgta	ataagaaaac	aattcaatat	tttaaaatgg	gtaaaagatt	tcaacagata	54780
cttcaccaaa	gaagatatat	ggatgacaaa	taagcatatg	aaaagatgtc	caataccatt	54840
actcattaag	gaaatgcaaa	ttaaaactac	attaaaatac	cactacacac	tcattagaat	54900
ggctaaaaat	aaaaagactg	agtaaatccc	atgttggcac	acactgctga	ggagaacata	54960
atttgggtcca	accacttcac	tttggaaggc	agtctgggag	attattttatt	tattttattcc	55020
attcctgggt	gatttttttt	atagaaatag	agtttcacta	tgttcctcag	gttgggtctca	55080
aactcctggg	ctgaagcaat	ctgcctgtct	tggcctctca	aagtgtctagc	attgcaggca	55140
tgagccaccg	cgcccggcca	tggcagtttc	tttaaaaagtt	cagcatatac	ctatgatgtg	55200
atctagctat	gccactctta	ggtttttacc	caagagaaat	gaaactgcat	gtccatacaa	55260
agacttgta	gccaatgttc	atagcaactt	tctttgtaat	agccaaaaac	tggaaatagc	55320
acaaataccc	attagcaagt	gaatggctaa	acaaattgta	gtatatccat	acaatagaat	55380
cctgtctcagc	aattttaaac	atgaattatt	gatacttgg	agaacaaaga	tgaatctcaa	55440
aataattaca	ctgaatgaaa	gaagccaggc	aaaatgacta	catgctatgt	aaatccaatt	55500
ccacaaaagtt	ctataaaaact	aaactaatct	attgttaact	aatctgtagt	gacagaagca	55560
gatcagtcgt	tgctgttgga	tgagtaggg	tggcaaagag	tcaggaaaagg	aggatgacaa	55620
aggggcatgt	ggaagctttt	tgggggtgatg	gatatgttta	taccttgatt	atgggtatttc	55680
acaggtgcat	acatatatca	aaacttatca	aatcatgtac	tttaaatatg	tatgtcatgc	55740
actttaaatt	gtgtgccagt	tataccttaa	taaagctagt	aaaactatta	tacattctta	55800
tttttctgag	caggttctca	tggagaacaa	aatacaccat	acctagtgtt	cgttttcttt	55860
tttttaatta	attaattaat	tgatttttat	tagtgttcat	ttcaaaggac	cttgctaggt	55920
gtcctaaaaac	ctatctgatg	actttgcctg	atactgatga	ttttattatg	attttaaaaa	55980
atatttttag	tagagacggg	ttttcgccat	gttgggcagg	ctgggtctcga	actcctgacc	56040
tcaagtgatc	ttcccacctc	agcctcccaa	agtgtctggga	ttacaggagt	gagccaccat	56100
gctcagccaa	tactaataat	tgatatggga	gaatgttttg	tttttcctag	attcctcatg	56160
cagcttaata	aggaccataa	taacttaact	cttagaacia	aggagatatt	tcaggcccaa	56220
agggaagcac	atctggtgcc	tcctctgaaa	ttcacaaaat	aagggcggtg	ttgtaagttc	56280
tgcatgaagc	taaaactgtt	caaagtttat	aagttcaaaa	gtaaataaaa	ggactatctt	56340
ttattctgag	accttatttc	aatatcactt	gtgataatga	ttatagatcg	tagctgttat	56400
ttacatatgt	ctacttctca	gggttaaagg	tggcatttcc	acagcagtat	ctgggatttt	56460
attgcctatg	aaatcaagaa	ggtagagtaa	caagaattgt	gtagggtatg	agcttttacc	56520
ttacatgcaa	gttaacaagt	tagcctggta	atgtttgatg	gatgttagct	aaagacatga	56580
gactcttggg	tcagagaaaa	aacacttgat	tactcatggc	aaaagcagta	atcagaactt	56640
aatattgagc	ttttactgg	ttccatgccc	cacgtgccat	gaggggaatg	aaagtcccat	56700
aatggatgtt	tatggatgtt	tgcacacaca	cagtgggcta	ccatttaagg	agagggaatcc	56760
tgagcctgg	aagtccactg	cttttatagt	gagttgtaac	aagcctgttc	tttgtctagg	56820
ggaagatgtt	acctgatccc	tcaagggttc	tcattacaaa	cacaaccctg	agaaatggcc	56880
tggataaaga	gcagtcagag	ccttgcttct	tggcatacct	gacaagaatg	cacagagctg	56940
ctcagggccc	ctggtaggtt	tgcttcccac	actagggact	gtgcatggag	gcacctgcca	57000
cttctgcctg	catcctgggc	tagcgtgaca	gtcagagaca	cagacaccag	tgaatggctg	57060
aaatatgttc	ctgtggtctt	ctcactccac	tacaacttcc	ttcccagtta	gggtcccat	57120
gcaggccctt	tgagctgcac	ctggcagagt	tgagttacat	actttcatgt	accctgctga	57180
gtttgtcttc	tttgcttca	gaaattccaa	catactacat	gagtcatgg	tcttggtatt	57240
attgttatac	ccttctcaga	atctctctga	ctccccagat	ttcacatcgt	tttccatttt	57300
tgtaaaaaggc	ctcaagggtct	ccatgctatg	gagaagagtt	atactcatct	tttctttatt	57360
cttgcatctc	tgaaagcctt	acattagcat	ccaagtgagg	tttctctatc	aatatcaaca	57420
gtaaaatatt	agtgaactaa	acacctacta	tgctcagcat	aatgtataaa	atatgattta	57480

agggttcctg	ggagcttcaa	atgcatcacc	tgggtgcaaa	aacatgagga	aacccaaaag	57540
tacattctgg	tggttttttt	aatagcattt	aaaaaataat	gccttgctgc	agggatagga	57600
gctgtgctgc	tttcatatca	attctgttct	ctttgtgggt	tgagaaactg	gagctgaagg	57660
gaaggtgatt	gggaataaaaa	gaaagcagta	ctgatttttc	tggctaaaag	aaagtttgca	57720
cactgtcatg	cactattaga	atttctggga	tcttctttat	aatccccggt	ttgatggtta	57780
ttggccaaga	aggaagaagg	ggagctagtc	aggcctagaa	taattaccag	ccatacagca	57840
taatctgggg	ctagtgttgc	agggtcaagg	actgaatgag	gcagagtgc	caggagcaga	57900
tcctgcaagg	ccttgacca	aaaggaagct	aaggttcata	gaaggaaaat	attgtattga	57960
tcatcaattc	tagaggattg	ggcatagagc	caaaaatagg	aggtgtatca	tgagatcaaa	58020
agccattggt	ggccaagcgc	gatggctcac	acctataatc	ccagcacttt	gggaggccaa	58080
ggcgagcaga	tcacttgagg	ccaggagttc	aagaccagcc	tggccaacat	ggcaaaaacc	58140
tgtctctacc	aaaaatataa	aaattagctg	gccatgggtg	cacatgcatg	taatcccagt	58200
actcaggagg	ctgaggcagg	agaatcactt	gaacctggga	ggcggagggt	gcagtgcagg	58260
gagatcatgc	cactgtactc	caacctgagt	gacagagtga	gacctgtct	caaaaaaaaa	58320
aaaagccact	ggtatgtagg	aatggtgcag	gaaaaaagt	caaagcagaa	atgagggtgaa	58380
aatatataga	actatgaaca	ggaatgaggt	ctttcttgag	tactggctgc	cagatggagt	58440
acgagtgggt	cagcagaagt	taatgaggta	ggttaaaagt	taatgcatag	gaatagtttc	58500
tgcacagtct	tctgatgctg	tccatcctgc	agtcaggcct	atatcaatat	cagccctaga	58560
tgaagtgggt	acaccctcct	ttgtgcacct	actgttacia	atagtcatgg	ctgtcattac	58620
tccatcacag	ctgatggcac	ttactagggt	gagagaagcg	gggctctgtc	tcccttacca	58680
tacagtgagc	tccttgagtt	tattcatctt	tgtgtttcca	ttgtgcctgg	actgcgcact	58740
gtttcccga	tgaacaaatt	aactggccta	gaatatactt	atgatgataa	aggtcagttc	58800
ttagattatt	gttttcattc	tttaactgtt	taagataatg	tcaactctat	gtaaaaattg	58860
tgccctagg	aagcagttgc	tttttattat	tattctctct	ctttcttgat	ggttactccc	58920
tctaggagcc	caaagcatga	cgtccagagc	cccagattcc	cagccatcct	ggttgtgacc	58980
cttcattctc	aactttcatt	tcaatcttag	tatgccatga	aaagccgtct	gcttttgaag	59040
cactatcagc	cacagagttc	tgtactttta	gaaggccctt	tcatagtcag	attctcacaa	59100
atatacctat	tgtttcaata	aatatttatt	gaattggcca	gcaatgtttc	agatactgtt	59160
ctagggtgctg	gggttacatc	aaagaacaag	gtaggcaaaa	tcactaccct	cgtggacttt	59220
gctttcctgg	agggggaata	ggcaggacat	aaaaataaatt	gtaaaactatt	cgggatgtta	59280
gtgatcagag	aagaaaaagta	aaacagggac	agtgaatggg	gactgtcaga	gtggtagttg	59340
ctattcaaga	tcatttgacc	aaggaaggcc	tcgctgagga	agtaacattt	gagaatagac	59400
ttgaaaggca	taaaaaaaca	agtcattagg	taaaaaccat	tccaggcaga	aggaacaaat	59460
aatgcaaagg	gccagggatg	gaaacatctg	tagtgttcag	gggaaagcaa	ggaggccagt	59520
gtgactggag	cagagtagat	taggcaaaga	acaggagtag	ataagatcag	caaggtaatg	59580
ggtgccacat	cacgtaaggt	cacacaggac	agtgtaatga	ctttggcttt	tactctgtta	59640
tggggagcca	ttgcaggatt	gggagctgtg	aaatggcaca	ccttgcttac	atctaatagg	59700
aaatctgctg	ctgcattgag	aatagacctt	taaaatttta	aagagatatc	tatggcatta	59760
ccttaataaa	agtcatgctc	cttggagtgc	ctcaattcat	gtacattaat	gggtaaaagt	59820
ggaattcaag	aaaccctgga	aatgtatggg	ggagtccctc	ttgtttctcc	tctgctcatg	59880
tctggtgggt	gagcactaac	gccatctctt	cctaagcgag	ggctccctag	cagagcaccg	59940
tgcacatgga	ttcttcctat	gctctgcatt	ctttgccaca	gggatgccat	aatttgccaa	60000
tatgcagtag	agactgcctc	aagaggcagt	tcccttcttt	atctaagcca	agagaaattt	60060
ggttctgcaa	gtaacaagta	attactgctg	atgacattcc	ttgtacacac	ttgaagagag	60120
cgtggaccgc	aaaaataaaaa	ctggagcaaa	aagggactat	cagataatcc	agattaaaga	60180
ttggaaaagga	ggaaaacaca	ttatttacac	atacaacact	tgattttatg	agtagagaac	60240
acaacttatg	tgtatgtacg	ttgtacactt	gattatatgt	gtagagaatt	caaaaagtgtt	60300
cagataaatt	atttagactt	aaaaagagac	aaataatttt	gggaagggtga	tagtggcagt	60360
agtagcatag	gttttagata	ttcctgaatc	tccacataaa	aacagcaact	agatagaaga	60420
cacaaaactc	atgggcaaca	aaataaaatc	catttacaag	aaaattagat	gatgagggtat	60480

tcttatgatc	ctcaaaatat	aaccggttgg	ggaaagacca	cccacagcca	caagagctgt	60540
gttattttgtg	tctacgtagg	agaaaataaga	gagaggcaat	ggacatctga	cagacctgag	60600
aacagagaac	tcaaaatagc	ccaaaaggat	tcactggaaa	gcatgggtgg	ggcaatttga	60660
gatcagcagc	tgaaacttaa	taaggggtga	gtgcaaggga	tccacctctg	gaaggtctaa	60720
aaggaatgca	gcagtctagc	tgctgtgaaa	tttctagact	gatctgggtg	ggctcccttc	60780
caagatagga	tctcatgaag	aagagaaact	gtggggagta	ttgagctcaa	aattgagcag	60840
aatgaagaca	atacagatga	agaaggaaga	ggaatatcca	aatgaaagca	tatcagagtc	60900
aggaaatctc	cttggaagc	aagccagagt	atTTTTtaac	accatattaa	tacaatatag	60960
caaaggaacc	atgtgaagtt	agaaaagcta	tctgaaccaa	atgtctTTTT	aaaatcacat	61020
aaaaactaaa	ttcacaccca	caaaaatcta	cagcaggaaa	atatcaaggc	caaatccaac	61080
acaacattat	taacctaaaga	aagagaataa	ggggaatatc	tgcagacaat	gaaagcatgc	61140
caaaaagata	tgattgaaaa	tagattgaga	ccctaattgta	ctatttccagg	tgcatcctaaa	61200
gacattgaag	aagtcataata	agacatagaa	aagcaacata	aatcaaatga	ggaagctcag	61260
aaatgagaca	attcaagaaa	aaattagaaa	taaacatcta	aaaatgaagg	ctgatctaga	61320
aggaaactcaa	caacaaatga	atacaacata	attctTTtaac	ataaataaaa	ggtagaaagg	61380
aagaaaaattt	tttaaatgga	atgaaaaaag	atTTTTtaaaa	agTTTTgaaa	gaaaacaaca	61440
aatattgaaa	ataggcaaaa	aagatcaatt	tatcaataat	aagagtccct	gaaaaagaaa	61500
ataaaaagcaa	ggaaaagaaaa	caagtataaaa	acaaacaaaa	ccctctaatt	taagaaaact	61560
gaaaaatttga	aactacgtat	ggaaaagaaca	cactgtgtac	ttgagtatat	cataatgact	61620
aagttcagca	gagttgttgg	atgaaaaggtc	tatgtgtataa	caccatttta	tgtaacattt	61680
aaacaaattt	tttagatcat	ttaaaacagc	ataaaaaata	taaaatccta	tttgtgacgg	61740
ctttctagt	tgtaaccttg	actaggccaa	actacatttc	ctagaattct	ctttcttgta	61800
tgTTTTctga	ccacaaagga	gattctttct	agatttgga	agctaaggga	agttccagcc	61860
atcttatagc	acacacattg	ttgcgaacct	gctgatccac	ctactggggg	gaagcagagc	61920
tgacatgca	attgctctac	cttccccctg	accctccatt	aacttgtcag	gccccctggg	61980
cagggtgtgtg	tgattagctc	cacgacaaaag	ggccacagct	tctgcaggat	atactcatta	62040
cctagatcag	aggcaacaat	aactgacatg	ggtttcagtc	tcttcacagg	ggtgtgagca	62100
tgctctaatac	tcttgatttt	ccctcctgac	tgcttgctt	gtagacttca	agctctagca	62160
tcagatgtgg	agacaacagc	cttacagaga	ctgcttaaag	agctcccaa	attgcataac	62220
tcaactgcct	gtgacacatc	catatatctc	tttttgaatc	ctggctaata	cagtaggaaa	62280
agatatgcat	tatctctata	tagaaaatca	taaaatattt	tgagaggaat	taaattctat	62340
attcattgat	cagaagactt	aatattgtaa	aaatatcatt	tctccccaga	ttgatataata	62400
ggttcaatgc	aatagaaaatt	ccaacaactt	gcatatgtgt	gtgtgaaaact	tgacaagcta	62460
aatctcaaat	ttatacggaa	attcaaagg	ctaaaaatag	gctggaaaaga	aaaggacaag	62520
ctgggcgcgg	tggctcacgc	ctgtaatccc	agcacttttg	gaggccaagg	cgggcagatc	62580
acatgaggtc	gggagttcga	gaccagcctg	gccaacatgg	cgaaacaccc	tctctactaa	62640
aaatacaaaa	atttgccggg	catggtgggg	ggcgcttgta	atcctagcta	cttaggaggc	62700
tgaggcagga	gaatcacttg	aaccaggag	gcagagggtg	cagtaagcca	agatggcacc	62760
attgcactcc	agcctggatg	ataagagtga	aactctgtct	aaaaaaaaaa	aaaaaaaaata	62820
ggacaaaagt	agaggatttc	ttcttctgga	tatcaatatt	tactataaaag	ctagtaatta	62880
aaacctgcta	aatatggtat	tggagcaagg	agagacaaat	agatcaatag	aacagaatag	62940
agagaatcca	gaaagagtca	aggatatata	gatgcttttc	aataaatggt	gcagggtcag	63000
ttggctatcc	acatggagaa	aaaagtgcaa	cctgaatcca	cctcaacaaa	attacttcca	63060
ggtgaactac	tgaaatggaa	aacaaaaaaa	cttcaggaaa	gtcatagaag	agagtatctt	63120
tatgaactag	ggacatgaaa	atatgttaaa	cagaacacaa	caagtattat	tcataaggga	63180
aaatattgtt	aaattgctct	acattcgttc	aggagcagcc	tgggcaacat	ggcaaaatgc	63240
cgtctctgct	aaaaatacaa	aaatacagcc	aggcatcgctg	gtgcatgcct	gtggtcccag	63300
ctactctaga	ggctgagggtg	ggaggatcac	tggagcctgg	gaggcagagg	tcacagtgag	63360
ctgagatcac	gccattgcac	tccagcctgg	gtgggtgaca	gaggaagacc	ctgtctaaat	63420
tgaaaaaaaa	aaaaaagctc	tacattagaa	attgagaact	tctgttcatt	aaggacatca	63480

ctaaggaaaa	aggcaagcca	tagactggga	caatgtattc	acaatgcata	tgtcatcaaa	63540
gaatctttat	tcagaataaa	aaagtgggaa	tctatatgaa	aacatagaaa	atccactttt	63600
ttaaaaatgt	gcagtcttat	gtttatcaca	gcactgttca	cagtagtaaa	gtcatagaat	63660
ccatctaagt	gtccatcaac	agatgattgg	attaaaaatgt	ggtatatattt	tgccatggaa	63720
tactatacac	ctataaaaaat	aaatgaaatt	atgtcttttg	cagcaatgtg	gatggaactg	63780
gaagccatta	tgcttactga	aatgactcag	aaacagaaaa	tcaaaaacca	catgttctga	63840
ttgataagt	ggagctaaac	agtgggtata	cacggacata	caaggggcat	aatagacact	63900
ggagactcca	aatggtggga	ggatggggagt	gggtgaggga	tgaataacca	cctttcaagt	63960
acagttcagg	tgattggtac	acttaatgcc	cagatttcac	cactgtgtaa	tatatccatg	64020
taacagaact	gcatttgtat	ccctaaatcc	ataaaaaataa	aaaaatttaa	tttcaaaaaa	64080
taaaaaatgt	gcaaaaagata	tgaacaggta	catcacaaaa	gaacaaatcc	agatagccaa	64140
taaacaaatg	aaaaagggct	caacttcatt	agtcatcaga	gaaatgcaaa	ttaaagccac	64200
agtgtgataa	tactacatac	tcacttgaat	gtctgcaatt	aaaaaaaaaga	ctgacaaaac	64260
caagtgttga	gaaggatgta	gaacaactgg	aattctcatg	catagtgtgg	aagtgtgcat	64320
tgatacaatc	acttttgaaa	actgtttagc	agtatctact	aaacttgaac	atattcatac	64380
cctgtgtcct	agcaattcca	gcaaaaattgc	atacatatat	tcaccaaaat	aatgcactag	64440
aatattcata	gcaacactat	ttgtaatagg	cccaaatgtg	aaactgtttg	aatgtccatc	64500
aacagttata	atatctattt	ataatgtcca	atatatcaca	gtatactcca	tgccacaata	64560
tagatggctc	tcacaaaaat	aataaatagt	gttgagcaaa	ggaagccaga	aaaagagatt	64620
ataccctatg	ttactctttt	tacatgatgc	acaaaaacag	gcagagctaa	tctaagatgt	64680
tagaagtcag	attgggtggg	tggagaaaag	ggagaataga	gcaagaggaa	gacttctgaa	64740
gcactaataa	tatgtttttt	gacttgcacg	ctgggtgccc	agggtgtgtca	gtttttgaaa	64800
attcagtgaa	ttatacat	atatatatgc	atttttgttt	atgcatat	ttcttcagca	64860
aaagtttaaa	aaataatctt	tgggcttcct	gaaaagataa	aaaggaaacg	tttaaaggat	64920
acatgtcaat	tttttagcag	agacaaaatt	tttaaatact	attttctgaa	aaaaaattct	64980
ccctcacagc	tttatattta	ttattaatat	tgaaggatat	aatgaatagt	tttactgtaa	65040
atgcagaagt	aaattttata	agacttgttt	atggcaccat	taggaatagt	ttttaaaaaat	65100
cagaacttgt	gtttatcaaa	agacactatt	aaatgacacc	aaaagcacia	gtaacaaaag	65160
aaaaatgtgt	ttaatatcat	caaaattaaa	aatttctggc	caggcaccgt	ggctcacgcc	65220
tgtaatccca	gtactttggg	aggccgaggc	aggcagatca	caaggtcagg	agtttgagac	65280
cagcctgacc	aacacgggtga	aaccccatct	ctactaaaaa	tacaacaaat	tagccaggca	65340
ttgtgggtg	cacctgtaat	cccagctact	tgggaggctg	aggcaagaga	atcgctcgaa	65400
cccaggagg	ggagggttga	gtgagcgaga	tcttgccact	gcactccagc	ctgggtgaca	65460
gagcaagact	ccacctcaaa	aaaaaaaaaa	aaaaaaaaatt	ctgtgcttca	gataacacca	65520
ttaagaaagt	aaaaagaacc	tacagaatga	agaaaacgtt	ttcaaattat	ataatagacc	65580
tgataaggga	ctcacatcta	gatataataa	gaatgcttac	aactcaataa	tacaaagaca	65640
aataaaaaca	tttttaagt	ggcaaagaat	ctgaatagaa	gtatctcaaa	aaagatatat	65700
gaatggccag	taggcacatc	attaccctta	agggaaatca	aaatcacaa	gagttaccac	65760
tttgcacccc	ctaagatggc	tataatataa	aaattaacaa	gtgtttgtga	ggctgtggag	65820
agattagaac	cctcattcac	tcttcctagg	gatgtaaaaat	agtgtctgag	ctagggaaat	65880
agtttggcag	tttcccaaaa	tgttaaacat	aggggtacca	tatgactcag	tgattaagct	65940
cctaggtata	tactcaagaa	aatcaaaaca	tatgtccatg	taaaaacttg	tacatgaata	66000
ttgatagcag	cattgtttat	aatatcccta	aaaggaaaca	acccaaacat	gtatcaacta	66060
ttgaatggat	aagtgaatg	tggtatatcc	atacagtga	atattattca	gcaattaaag	66120
tgacacactg	actcatgcta	ggacatggat	gaaacttgaa	aacatgatgt	taggtgaaag	66180
aagctagtcg	caaaaagatca	catttgattc	catttatatg	aaatgaccaa	aatagacaaa	66240
tctataggga	cagaaaggag	attcgtgggt	atatgtggct	ggggaaatgc	aaattaaaaac	66300
tactaggaga	tacataccga	tgggtatgtat	gcttatcttt	aaattatctt	taaatTTTTT	66360
aagataataa	gataaagatg	tgaaactatg	aaactctcat	ttactcactg	ggagggtata	66420
aactggtaca	accacattag	aaaagaaatt	ggcgtatctt	ttaagattaa	caacacatat	66480

accttgagag	ccagcaaatc	catttctaaa	ttctactcag	tagaactatg	tgcataattta	66540
tatcaatagg	tgtacaaaaa	tattcatagc	agcattattg	taatcaccca	aatgttcatc	66600
agaagtataa	ggaataaata	aattgtggta	tattcctgca	atgggatatt	atatagcagc	66660
tacagttaca	cccagcaaca	tgtataaatc	tcacaaacaa	catcaaataa	aaaagccaac	66720
cacaaagtag	catccactat	gattccccatt	tatgaagttt	aaaaacaggc	ataactcaac	66780
tatagtatta	aaagtcaata	tagtagttca	ccttaaggga	gaagggaag	agtaaaaagt	66840
ataatatgag	gtagaatttt	gaggtattgt	aatgttctct	ttcttgggtt	atagttttct	66900
atatgatgtt	ttctttgtta	caatttactg	agctatacat	ttttaatttg	tacacttaaa	66960
aatacatttc	ctggccaggc	gtggtggctc	gtgcctgtaa	tcccagcact	ttgggaggct	67020
gaggcaggca	gatcaggaga	ttgagaccat	cctggctaac	acagtgaac	cctgtctcta	67080
ctaaaaatac	acaacaaaaa	ttagccaggc	gtggtggcgg	gcacctgtag	tcccagctac	67140
tcaggaggct	gaggcaggag	aatggcgtga	acctaggagg	cggagcttgc	agtgagccga	67200
gattgcacca	ctgcacttca	gcctgggtga	cagagcaaga	ttctttcaaa	aaaaaaatat	67260
atatgtgtgt	gtgtgtgtgt	gtgtgtgtgt	gtgtatgtgt	gtgtgtgtgt	gtctgtgtgt	67320
gtgtgtgtgt	attctggccc	aagattatag	ttttttttaa	ggcagtctgt	caggggtcta	67380
caattgtatg	agttataaat	aaggagtga	aatatcttca	gtgaactcct	gaacatgaaa	67440
accaagggtc	gactgcgaat	accttcttta	catacaacca	gacattatgg	aatgaatgtg	67500
ttccccccaa	attcatatgt	tgaagctcta	actcccagtg	tgtctgtatt	tggagatagg	67560
gtctttgggg	aagtaattaa	agttaaaatta	ggtcatacaa	cctacagaat	tggagaaaat	67620
atttgcaaac	tgtgcatctg	acaatggtct	aatacccagc	atctataaga	aacttaaatt	67680
tacaagaaaa	aactaacaac	cctatgaaaa	agtgggcaga	gttaattttt	tcatgagcaa	67740
tggaaaaaaa	ttaaaaagtc	tgaagcagg	caaagaacat	gaacagacac	ttttcaaaag	67800
aagacataca	tgcagccaac	aggcatatga	aaaaaagctt	agtatcactg	atcattagag	67860
aaatgcaaat	caaaaccaca	atgagatacc	atctcacacc	aattggaatg	gctactatta	67920
aaaagtcaaa	aaataacatg	ctggcaagat	cgcagagaaa	aatgaacaca	tacactgttg	67980
gtaggagagt	aaattagttc	aacattgtgg	aaagcagtgt	ggcgactcct	caaagagcta	68040
aaaacagaac	taccattcac	cagcaattcc	atttgtgggt	gtatacccaa	aggagtataa	68100
atcattctac	cataaagacg	caggcacatg	aatgttcatt	gcagcactat	tcacaatagt	68160
aaaggcatgg	aatcaaccta	aatgcccac	aatggcagat	tggataaaga	aaatgtggta	68220
catatacacc	atggaatact	atgcagccat	aaaaaagaat	gagatgatgt	cttttgtttg	68280
aacatggata	gagctagagg	ccattatcct	tagcaaacca	acacaggaac	agaaaaccaa	68340
atactgcatg	ttctcactta	taagtaggaa	ctaaatgatg	agaacacatg	gacacaaaaga	68400
gaggaaaaaac	acacactaca	cactacctga	gggttgaaga	tgggaggagg	gagataatta	68460
gaaaaaataa	ctgttaagtc	ctaggcttag	aacctgggtg	acaaagtatt	ctgaacaaca	68520
aacccccgga	cacgagttta	cctgtataac	aaacctgcac	atgtacccat	gaacttcaaa	68580
taaaagtctg	tgtgtttttt	aaggcagaag	tcagccccta	ccttgaaaga	actttctaca	68640
tagatggcta	cagtgttact	gagcgttttt	tttttgggtc	atcctgaatg	tcatgggaaa	68700
actttttaa	tgctctggat	caagattagt	gcctgtggta	tttcatttct	cctactcaac	68760
tgttgcatgt	acatgatctt	agaaaattctt	tttggcata	tgatgactgt	tatcattcaa	68820
gttacatcaa	gagagacttc	tttctatgag	gagctattaa	gaccttcttt	tggacacata	68880
cacaacttca	atttacatct	aagacaactt	attttaatga	aattgcttat	ttgtttgctt	68940
tagtccttag	attatatgat	catttgggca	gggactattc	tttgaatatt	tcctggcaca	69000
tttttgtctc	aataaaggag	aagggtgaagg	aagaaagaaa	ggaaaggaag	aaggaggagg	69060
ggaaggcatt	cttgttttct	atatcctaaa	cctataattt	tgtcaaaaaa	gaatattaaa	69120
tttgcctaaa	atgttaacaa	aaaataggct	ataatgatgg	ggccctaatt	caacagggct	69180
ggtgtcccta	taagaggaag	aggcattgaa	gtttgtcttc	cctgcatgca	caaagagact	69240
atgtgaggac	acagcaaaaag	gacagctgtc	tacaaaccag	gaagaggcct	cgccagaaat	69300
cagcccttga	aaaaacctgg	gtcttggact	ttttgcctcc	acaactgtga	gaaaataaat	69360
ttctgttggt	taagccaccc	agcctgtggg	gttttgttat	ggcagcccg	gcagactgat	69420
acaccagaca	ttcactgtat	ccaactgttt	caccataata	gcctttctta	ttttgatcaa	69480

attactgcat	caggatttga	tcttaaattt	catgtttcct	ttgcttttgt	aaatgtagct	69540
gagcatccaa	atttcactca	gtttggatgc	taacaagatt	agacagttat	ctgacagtaa	69600
tcagtgcctg	atcctattct	gtgtcttctt	ccatcaccat	cccactaaag	agcttgcat	69660
ttttgtttct	tttagccaga	tagtaaacat	ttttcaggca	ttttgaattt	tgccattgta	69720
aatgggtgaaa	gattctctct	ctctctctct	ctctctctct	ctctctctgt	gtgtgtgtgt	69780
gtgtgtgtgt	gtgtgtgtgt	attaggaggg	gggtggtgatc	gggatgctaa	tctatgcaca	69840
gtgacctttg	tttctatctg	gctgagcaga	tgtaggaatt	aatcattgtc	actcctggat	69900
gggtgctgctg	cagctgtccc	ccactgcctt	tctgcccctg	atagatttat	tagtgtgttt	69960
tgtttgctga	aaagcatgcc	tcagcacaga	agaactggca	aattagagaa	gctttatctg	70020
tgagtataat	tttttgga	catggttttt	tctacacatc	tgtacctata	tactctgagc	70080
tctttaaaaa	aaaggaggag	gaagagagca	aagaaagaaa	agggaaaaca	acaggtaata	70140
ttgtttctgt	aacatcagaa	cgattatttc	ccagctgaga	atgttcatac	tggaacagt	70200
tcatggccat	ccaccttagg	attgcagaga	accaattgtt	ttctaacctc	tgtatttctt	70260
tttgcaactg	cccacccctt	caccacttta	actgccaact	atcagccaga	attttggcat	70320
actttggctc	taggcacaag	aaaataagt	gtctgggtta	cttagtgcta	aatttatatt	70380
atagtaggcg	tcactacaac	cttgagactg	taactaacac	tttctaggct	ccaagcaacc	70440
ccactacgta	gatatccctg	cagcctcatc	aaattcaacc	cgtggggata	ttgataccgt	70500
cctggatgga	aatcagagta	gccacacccc	tttcaatgtt	gggaatctgc	caaacaattc	70560
agtataaaatt	tcctgggcct	gggctgtgta	ttttcattcc	acccacccc	caaatcagtc	70620
agcatgccct	ggggcagaga	ctaaagagcc	gccagtgcct	attcagagtt	ggcttattcc	70680
tttctgatgg	cccacccctt	ccccgaaatc	caagaccttg	gccttagata	tcttggctag	70740
cctgggcctt	tctggtacca	cccttcactc	tctaggagct	ctgagaattt	tctgcacttc	70800
ccgacgctgc	ttgatagagt	gactcacagc	ttactctttc	attgactctt	tctgtatttc	70860
tcttcttcag	aatttctctt	ctgctgctgc	tttttagacat	ccttgcatgt	tcagtcccta	70920
aatcaccact	gcttggttatt	actttcatgt	tcccaacatc	tgccatatgg	gtcttaatcc	70980
catgggtcca	cccagactca	tgaattttaa	ctcttctggt	ctaaactctt	ccaccaccat	71040
ttgagcctca	attctgtgaa	cagttttgtc	tctaaaagcc	acataacctta	gtgtaagaag	71100
gcagattaat	cctctgaatg	tcaacttaac	agttaggcct	atctcccaag	aaagagaaat	71160
gaaaactcct	aattagtaat	gactcatttt	gatcaaataa	tcaatttttg	gaccattttc	71220
ttaaaactat	attttattgc	ctgtaactat	ttcctggagg	ataataatca	tccttaaat	71280
actatgtgtt	ttgtgaagtt	gggtgtttac	ttttcgtgtc	ctaaatatgc	atatctgaat	71340
ctttaaaattg	tagcttctct	ttcaagtgtt	ctaggatttc	atttgccatg	gttgggatct	71400
ctttgtgatt	tgatagggtt	cgatcacatc	ctcactagcc	ttctttccaa	gccacagaac	71460
ggctgtgtctt	cattcagtag	agaccctgcc	attctagttt	tctcgctgga	atttgttttc	71520
ccatatcctt	cttgagcaaa	gggtactaaa	gccaaatgtt	tcattctggc	actttgtgag	71580
acgtgggcctt	taagctctca	aaagaagaga	aaatctcata	gttttatatg	agatatacaa	71640
tgaacaatag	taaaatagaa	atgttattgg	caagaggagt	ttttctccaa	tatccatgag	71700
taagaattcc	ttggacacat	aagataacaa	gaggaatata	cttactctgt	tttccttttg	71760
agatatctctt	tacataccat	gaagttttcc	tttctaaagt	ttgcaattta	atagttttta	71820
gtatattcac	aagcttgggt	aaccaccatc	actatcta	tccagaacat	ttttatcacc	71880
tgcaaaacaaa	accttgtacc	tgttagcagt	ctctcctcat	ttctctcttc	ctccacaccc	71940
tggaaccac	tagtctactt	tctatctcta	tagatttgcc	tattctggac	atttcatata	72000
aatggaatta	ttgaacatgg	ggccctttgt	gtctggcttt	tctcatttag	cataatctta	72060
gcataatatt	tataagggtt	ccctgtgttg	tagcataaag	cgttacttca	ttccttttca	72120
tggtgaaca	tcccattata	tggaatttcc	acattttgtt	tatccattca	tcagttgatg	72180
ctatctgttg	tttccacttt	gaggctctta	agaataatat	gctgctgtga	acatttgtgt	72240
acaagttttt	tcatgaacat	gtttttactt	atctgggtat	ataacctagga	gtggagtcc	72300
tggtgtatat	ggtgactgtt	taacataagt	gtagaactgt	ttttcaaagt	gactatacta	72360
tttcacaatc	ccaccaacaa	tgtatgaggg	ttccagtttc	cctacatcat	cactaacact	72420
tgttttatta	tctgcctttt	taattctagc	catcctagt	ggatatctcat	tgtggttttg	72480

agtcgtat	cccttatg	caatgatg	gagtgtct	ttatgtact	attatccatt	72540
ttgcttat	ccctggag	ctgtctatt	aaatccttt	acatttaaaa	aaatttagatt	72600
gtcttggg	cgggtgcg	ggctcatg	tgtaatccca	gcactttggg	aggctaaggc	72660
aggcagat	cctgagg	ggagtttg	accagcctg	ccacatgctg	aaaccccatc	72720
tctactaaa	atacaaaa	tagctggg	ttgggtgg	atgcctgt	tcccagctac	72780
tctggagg	gaggcagg	aatcacttg	acccaggga	cggaggtttc	agtcagccga	72840
gattgtgcc	ctgcactcc	gcctgggc	cagagtgg	ctctgtctca	gaaaaataat	72900
aaataaata	ataaataa	attgtcttg	aaatatact	aaattaattg	gcctatagtc	72960
ccagctact	aggaggct	gggtgggag	ttgcctgag	ccaggagttt	gatgtttcag	73020
tgagctat	ttatgtcact	gctctccag	ctgggtgaca	gagtggagccc	ccatctctga	73080
aaaaaaaaa	gaagaaa	gaagaggaa	aagaggagga	ggagaaggag	aagaagaaat	73140
gctcttaag	caatagttct	caaacttgg	tcacattaaa	gtttcctaaa	atcctgatgc	73200
tcaggcttta	ccctaggcca	gttaaatgat	aatatcttg	ggtaggaccc	aggcaacagt	73260
tttagaaaca	aatctccagt	tgattcta	gtttgagag	cattgctata	gactacatga	73320
ctaagctgat	gataccaata	taaaaatgt	aaagatttga	taatttagaa	attatgccag	73380
gtattaaaa	tgggagact	aactcaaat	tgaatcata	aatgccta	caggtcaaaa	73440
gatagagtt	agatttgt	taaagattga	taaactttcc	tataatagga	agtttcaaac	73500
cacctatag	tagagaaaa	gtctggctgt	ggttccttg	tagtgagcag	gaattgggtt	73560
tatgaggtaa	ccatgggaga	gccaataaat	gtgagtgtc	atgacaatta	aatctttaag	73620
cccagataat	ttatgtcaat	tattcaatgt	tcattaagga	aagtgaaaaa	aaatgagtat	73680
tagctaggag	aaatggaaa	ggaggctttt	gaaaggcata	aaaagattgg	aggctatttt	73740
aagagacttt	attggaagca	tagaaaaaga	gtatctgaga	atttttaaaa	atccaatcac	73800
ataaaaaat	gacagtcaca	gtggttattg	tggagggaaa	atgacatctc	tcaaagaatg	73860
taaaaagctc	cccaagggag	agcaggggag	ccacagagtg	tattagggtta	agtacaaaaat	73920
aggaaaaaag	actttaagaa	acactttcga	agagagtcca	aaacacataa	agggtattatt	73980
taaaaatctat	taaaaggaag	aagctagaat	aacagtggga	tcttttgctg	agaataaggg	74040
ggcacaggga	gtgctgaggc	accaaaaagac	aatagacaaa	ctaattatgt	gcctctgaat	74100
gtattgagaa	agataccaga	gtgatagcac	attcaaattg	cctactacga	atggatcagt	74160
agtagttaat	tcaatggttt	tctgtgtttt	gcataatttca	agtcaggtag	gcagaataaaa	74220
tactgattaa	tactggaaa	ctcttggtgt	ttatcttgag	atctctgaag	gcctccagaa	74280
gaaatttttc	tcgtcttgcc	tctccctaaa	gccactgccc	ttgtcctccc	tctcctatta	74340
ccaccaaggc	tcctaagtgt	atagtctacc	ctagtcacct	cactttctca	tctccaattc	74400
attcttcaac	ccattcttct	aactccattg	aaaggctcatt	aaatctgact	cattgccaaa	74460
gtcattaaat	caacagatcg	cttttttagac	taaattcttt	ctagccttta	gatatataac	74520
accattaact	gtttcttctg	ttcttccttt	ctgaaacctc	ttttcttaac	atcttattata	74580
tgtgaatgtc	ctggttttac	ctgtctactt	cttgctagct	accttcactg	gctccagaat	74640
tacttacgta	tttctctttt	ttgttttttt	tttttaaggc	tagtcaagtg	aagcagtggg	74700
aatggagaag	gaacacagaa	atctgtaa	ggttgtgatc	aattaattgt	agacactact	74760
gacttcagac	aagccttacc	tatttaattt	tggttaacact	ctgggttcca	gtctcgattc	74820
acttcttaca	ctatatcctt	caccttggtt	taacctctcc	tgtgacatat	cctagtgtctg	74880
cctctcttcc	catttttctaa	cttcatgggt	gatatagtca	tatagatgtt	tcacagttta	74940
ttctgatcca	gtaacaaaa	ccagattaat	atcttaccag	caaacttgct	cttcctttgt	75000
gtaattcctg	tcgtgggtta	tagcactacc	atccaccgt	tctcattctg	gattcctttg	75060
tctccctaca	catccggcta	gttaccaggt	tttagatatt	taacctctga	aatgtctttc	75120
aaatctttct	attgtccatc	tccattgccc	aaccatagtc	ttcatttggt	tttcatctgg	75180
actattgcaa	tagtcccccta	actcatcttg	ccgacatttt	cagctactga	tctcttgcca	75240
gcattttttt	ttcccaaac	acaatctagt	tttaaaaatac	agacttctac	tgccctacata	75300
actccttagg	taagtattta	aggctctttt	tagtctggcc	ctaacataaa	atatccactt	75360
ttccccttga	aattaagttg	tgccctgggtc	gtacatgaga	atggccattc	cttgagcaca	75420
ccatgcacat	tcctcaccat	gtctttgttc	atgctcttcc	ttgtttcaca	actcttctca	75480

tttatcacct	gacaaaactcc	tatctatcct	ttaagacaaa	tttctgtctc	tcaaaatgtg	75540
ggccctgggc	cagagcagca	gtatcacctg	ggaacttggt	agaatacaac	ttcttggggc	75600
cccactttag	actctgttta	atccaaaact	ttgtgtgata	aggaccagca	atgtgaattt	75660
taacaagctc	accacatgat	tctgatgcat	tctaaaaatt	aagaaccact	gttctaggga	75720
acaatttttt	tatcaatggc	catagcactt	tacacatacc	tgtattactt	actgcattat	75780
ttaataacca	tgtttactta	ttcacttatt	tatctgggtc	gctaagttgt	gagtccccag	75840
agtcaaatac	aatgggtgctg	tgttctgaca	cctgccatag	tgtctagcac	ataacaagtg	75900
cttgataaga	attcagcata	ctaaaatata	cccccttccc	tccaggattc	agtctagcta	75960
gagtaaatag	agagggcaag	atcaaatggt	gtccaaggca	tctactctta	aaggtcgata	76020
tacaccacac	aaacccaaaag	cttacacact	gacaataaca	aatgtcagca	aagtaataac	76080
caacgggtac	taggcttaat	acctgggtga	taaaataatc	tgtacagcaa	actccaatga	76140
tactaattta	cctatgtaac	aaatatacac	ttgtacccct	gagcttaaaa	taaaagtfff	76200
taaaaaaata	aataaagcaa	atgtcagcaa	ggatgcagag	aagctgaatc	tctcatacat	76260
tgctgatgta	cctactctgg	aagacacttt	agaagtttct	tataaaatta	ttccctcact	76320
gtgcgattca	gcagtttcac	tcctgtgtat	ttaccgtaga	gaagtaacta	tgtatgttca	76380
cacaaaaagc	tgtatgcaaa	tgtttttttag	cagctttggt	tgtaatagtc	aaaaactgga	76440
aacattaaca	atcaaaaaaag	aaatcaagaa	aacaattcca	tttgtaatcg	catcaaaaaa	76500
tgaaaaactg	ggaaaaaaatt	ttacctaaaa	gatgaaagac	ctatacactg	aaaactataa	76560
aacactgatg	aaataaatga	ggaaggcaca	aatcaatgga	aagatatccc	atattcatgg	76620
attgaaaaaa	tttatattgt	taaaatagcc	atactaccaa	agcaatctac	aaatgcaatg	76680
caatcttacc	aaaattctga	tggtgttttt	cacagaaata	tgaaaaaaac	taaaattctt	76740
atggaaccac	aaaagacccc	aaatagccaa	aacaatcttc	accaataaga	acaaagctgg	76800
aggatatcacc	ctagcctatt	taattttcaaa	atctactata	aagctatagt	aatcaaaaac	76860
gcatgatgct	ggcataaaaa	cagacaaaacc	aatggaacag	aatagagagc	ccaaaaataa	76920
atccatccac	ttacagtcag	ttgattttttg	acaaaagtac	caagaaaaca	caaaaagagaa	76980
aggacagcct	cttcaataaaa	tggtgtttggg	acaactatgt	atccacatgc	aaaagaatga	77040
aattatgcct	gttacccccag	cacttttgga	ggccaagggtg	ggccgatcac	ttgagggtcaa	77100
gagtggagac	cagcctggcc	aacatggtga	aaccctgtct	ctattaaaaa	tacaaaaatt	77160
agccaggat	gggtggcatgc	acctgtaatc	ccagctactt	gggaggctga	ggcaggagaa	77220
tcattttggac	ccaggaggca	gaggttgcag	tgagctgaga	tcgcaccact	gcactccagc	77280
ctgggcaaca	gagagagacc	ctgtcttaaa	aaaaaaaaaa	aaaaaaagaaa	ttggacattg	77340
gacccttata	ccatatacaa	aaaatccact	caaaaatgaa	ttaaaaagctt	aaatgtatga	77400
cctgatactg	taaaaaactat	cagaataaaaa	cacaggagaa	aagctcctgc	cattgggtccg	77460
ggcaatgatt	tttttggttat	ggccccaata	gcacaggcaa	caaaacaaaa	catagacaaa	77520
tgggattaaa	ctaaaaagtt	tttgcacagc	aatggaaaca	ataaacagag	tgaagagaca	77580
acctacagaa	tgggagaaaa	tatttgcaaa	ccatacatct	ggtaaggggt	aaatattcaa	77640
agactataag	gaactcaaat	caatagcaag	aaaacaaata	atccaataaa	aagtggacaa	77700
aggacctgaa	tagacacttc	tcaaaaagaaa	acatacaaat	gtccagcagg	tatatgaaaa	77760
aattctcaca	tcactgatca	tcaagaaatg	caaatataaaa	ccatgagtta	ttagctcata	77820
cctgttagaa	tggctcttat	gaaaaagaga	gatagcaaga	gttggggagg	atttgagagaa	77880
aagggaaccc	tatacactat	ttgtgaggat	gtaaattagt	acaactatta	tggaaaacgg	77940
tatggagggt	cctcaaaaaa	ttaaaaatag	aactatcata	taatcaagca	attctacttc	78000
tgggtgtgta	tctaaaggaa	atgaaatcag	tgtatgaaag	agatacctgc	actcccatgt	78060
tcactgcaac	attattccca	atagccaaga	tatggaacca	acctaagtgt	tcatttacta	78120
atgaatggat	aaagaaaatg	tgagatatat	atgtacacat	acacacacac	gatggagtac	78180
tatttagtct	taaaagaagga	aatcctggca	tttgcaaaaa	catggatgaa	cctggaagac	78240
attatgctaa	gtgaaataag	caagacatag	aaaaacaaat	actacatgat	ctcacttaca	78300
tgtggaatct	aaaaaagtgt	aactcataga	agcagagagt	agaatggtag	ttgccacaga	78360
ctagggtgga	gggtggttgac	agaaatggag	agatgttggt	cagatcaaag	agcacaaggt	78420
tccaggtagg	acagataagt	tgtggagagc	tatacagtat	agtgctctata	attagtaata	78480

acgtgttgta	tacttgaaga	attccaagag	agtatgtctt	aatgtttctc	accataaaaa	78540
aagataagta	tgtgcagtga	tggatgttga	ttaaattgat	ttaataattt	taattatttc	78600
acaatatata	caaatatcaa	aataccatgt	tgtataccat	aaatatataa	tatttgtcaa	78660
ttctgcctta	ataaagctgg	gagaaaaaaa	ctggaaaccc	aaatatcctt	caacaggtga	78720
atggataaac	tgtgggacat	ccatacaatg	gaatactatc	tagcaataaa	catgggacaa	78780
agtattgata	gatgcaacaa	cttggatgga	gctcaagggc	atatgctgcg	tgacagatgt	78840
cagtctcaca	agcttacaca	ctgtaagagt	ccagttctat	acaacattct	taaaagacaa	78900
atttatagtg	atggagaatg	ggttagtgg	tcctaggagt	taggttgggg	aagcgtgtca	78960
ctataaagga	tagcatgaga	gagttgtgtt	tataagtgtg	tatgtgtgat	ggaacagttc	79020
actatcctga	ttatgatgg	ggtttcgtgt	ggtgaatttc	atagaaatct	atatatgtga	79080
taaatttcac	aggactacac	acacacacac	acaaagtgc	cataaaaaact	ggtgaaattt	79140
aaatagagcc	tgtagtttat	ataatagtat	tgcactaatg	tcaatttcct	gattttgatc	79200
atgaactctg	gttatgtacg	atgttattgg	ggaaagctgg	gcgaaggata	cacaggaact	79260
ctctgtactg	tttttgcaac	ctcttgtgag	tcttaaataa	tttcaaaatg	aaaagctttt	79320
gagaaaaata	aagcacaggg	atttctgaca	aaagctaaat	tagaaagcac	tgcttgacat	79380
aatgctaaaa	caggaccag	gaagtggaga	gctcactgcc	tggtaggagt	gggaaagggg	79440
taaagggag	tggagattct	tgccctgaag	aacatttgg	agaacgtggg	ccaggcctct	79500
caaacaggtc	actcctggct	tggggaggag	ctaatactaa	ggtggaaagg	gaaatgaaag	79560
cttacttctc	atcagcttcc	catatgggga	agggggccgg	aatctctcct	caataggcct	79620
ccattttctc	aatagggaaa	acggagagaa	ggggaaaagg	gttcctcttt	aacaatggtc	79680
acaaaagggtg	atgtgtgcag	tgaaagatta	aatggtataa	gaactcaggc	tctggaatca	79740
aaccagcct	caaatccagt	ggcttgattt	tctattgaac	tttgctatac	cctgtttctc	79800
tatttaaaaa	caggggtaat	gatactactt	aactctgaaa	gctgattaca	ttagattgtc	79860
tatgtagagc	acttagcaac	cacctagcac	atagataatc	agtgttggct	actcttttta	79920
atactattct	atgccattac	caattttcta	agacgtaaca	ataatacact	cagatgattc	79980
tgaccataat	gtaatttttg	attaaagttt	cttcaggatc	cttcaatgct	tccaactcat	80040
aaattatatc	agccctcagt	ccctatatat	gtaaatacaa	tttaaattaa	aatagttgtt	80100
actttctatt	acatgtcttt	tatgtgcttt	gcactttaaa	tacactattt	ctaaccctta	80160
tagcatgcag	gataaatact	attttcccca	ttttcagatg	aggaaactgc	ttcagagtgg	80220
ttaggcaaat	ctccaacatc	tataaacaac	acagtaaacc	taggcagtct	gatggcaaag	80280
cccaagctct	ttccactaca	ctgttacctc	agtagtaatc	cataaaaagat	gcttaaacac	80340
atacatattg	tctattagtt	gttcttttta	catcacatta	catgggcaga	ctctacaact	80400
cctgccacag	cctggcgag	acacttccag	gccattgctg	aagccagtgg	agacaccaga	80460
cgatgacaga	aaccaagaac	caaagctga	ttgtagcaag	aattcagtct	ggagttcagt	80520
cagtagataa	atccgagagg	catcatggaa	attgtgccaa	ggtccaaggt	tcaagccagc	80580
agtcagaatc	taaaaggggca	ggcaaaaccc	agcaggaggc	tctgcaggct	ctgtgcccc	80640
cgggagattc	atggcttcct	ctctgtctcc	tcttgttgac	actgccggct	ataaatgggg	80700
gctttgtgga	tcctcagttg	aggaggcagg	tgaaaattct	tggcctacca	gcactactac	80760
aggacgttag	aaactagggc	aggaaagacc	tgggtcttca	ttaatcagtg	tgatgaaaac	80820
aggccccagg	cagttgggtc	cactagtggg	aagtgaagaa	acactgaagg	aaaccaggag	80880
tcaggacatc	tggatttgct	gtcccaacat	ggtccctatc	tggcgataaa	acagcatgca	80940
aatttcttca	tctaaaaatg	aaggaatcag	gtcagatcac	tgattttcaa	actgtgttcc	81000
tcagaacca	aggactccag	tcctgctgtg	gagagatagg	tgggagcaag	caaggccttc	81060
ctgtacagca	cgcttccttt	catctcttcc	aagtactgaa	ccttctaatt	ctaattgattt	81120
attcagcgta	acaggcatth	aataagtttc	tactaggctc	ggggccttgt	agaaggtgct	81180
gatggggaca	aagctgagta	aaacccagtc	ccaacatcat	gaattcctag	attctggctt	81240
aatgggggaa	cattccagca	gctgtcactg	ttcaggattc	ctctcagatt	ccaagataca	81300
ccaagggccc	gagttctgcc	acagaattga	agataagaaa	gagaggaaaag	aggccgagtg	81360
cagtggctca	tgccctgtaat	ctcaccactt	tcggaggccg	aggcaggccg	atcacctggg	81420
gtcaggagtt	tgagaccagc	ctgaccaaca	tggagaaacc	ctatctctac	taaaaataca	81480

aaataaattg	ggcatagtgg	tgcacacctg	taatctcagc	tactcgggag	actgaggcag	81540
gagaatcgct	tgaacctggg	aggtggaggt	tgcggcgagc	cgagatcgcg	ccaccgcact	81600
ccagcctggg	caacaagagc	gaaactccgt	ctcaaaaaaa	aaagaggaaa	gaggaatctt	81660
ccccagtatg	gcaggcaatc	tttctgcct	caaggagatc	aattttacatg	tcacctggaa	81720
gcccataata	ttctgcttta	gcagtgactc	cttgtgattg	gatgtttcct	atggccaatt	81780
gtgcctgtgc	ttcatgccct	acttaaaatc	aggacatctg	ctctgccctt	ttggaagagc	81840
tacaagtctc	ctgccaggaa	ttgctcaagg	ccttttcctg	cagctaaacg	gagaaaggaa	81900
gttgaaatca	ttgcctcata	aattacaaca	catgccaggg	ttgtaaccta	gagtctgagg	81960
ttctaggcga	aaagaggatt	ttgtgtgtgt	gtctagtgtt	ttccccacag	catttaaaag	82020
ctcatctaaa	atatattata	attgcatgag	atatggcaaa	aatacattca	gaaactaatt	82080
ttttgaagat	aaacaaacaa	agcagaatgt	gcccataata	ttcctaagta	aagccacaca	82140
aacttccttt	ccagtaaggg	tatccttttg	ggctttttcc	ccctccttgt	caccaactta	82200
tcttgaattt	atcactatgc	tttttacta	ttgttcctaa	acttcagctg	ttatataatg	82260
agatagtggg	catttagtct	tatatccaaa	tttccatatt	tcagctttta	aaatagttgc	82320
aaggatgctt	ttaaagttga	tcctggccag	gagaggtggc	tcactcctgt	aatcccaact	82380
ctttgggagg	ccaagatggg	aggattgctt	gagtccagga	gtttgagacc	agcctgggta	82440
acaatgagac	cttgtctctg	caaaaaaata	aaaattaact	gggtgtgatg	gcatgcactt	82500
gtagtgccag	ctacttggga	agctgaggtg	ggaggattgc	ttgagcccag	tagataaatg	82560
ttgcagtaag	ccaagatcat	gccagtacac	tccagcctag	attagagagt	gaaactctgt	82620
ctcagaaatt	aaattaaatt	aaattaaaaa	gttgatccta	gcaaactaac	accggaacag	82680
aaaacccaac	accgcatgtt	ctcactcata	agtgggagtt	gaacaatgag	aacacatggt	82740
cacagagagg	ggaacatcgc	acaccgaggc	ctgttggggg	ttggggggcaa	ggggaggggag	82800
agcattagga	caaatactta	atgcatgtgg	ggcttaaaac	ctagatgatg	ggttgatagg	82860
tgcagcaaac	caccatggca	catgtataac	tatgtaacaa	acctgcacat	tctgcctatg	82920
tatcccagaa	cttaaaagtaa	aataaaaaaa	gaaagaaaaa	aaaagttgat	ccttaggcct	82980
gtttatagtc	caagggagct	gtgaatgctg	aaatttgtac	actgtcaatt	tatatgtata	83040
ttcacatatt	aatatctata	gtacacatag	attcaggaat	gtagactttt	gtcaaattggc	83100
ctagtagata	ctgataaaac	aacttcta	attaaattaa	aattttattc	tattttaaag	83160
aaaaagaaca	aataagaaaa	tcgtctttgc	aatgaaaagg	tcagaaacca	aggatgtggg	83220
gtcctaatat	gctgatagca	gagattatat	ctcctttgcc	ttcctatcac	tggttcttaa	83280
taccttggca	agttagtatt	taggaattgt	tgaattaatg	tttggcacat	gaagatcatt	83340
aaagcaataa	ctcataaaagc	atggggaaaa	caaggctcatt	tgctaaaagg	gaatttgggg	83400
gcacgatatt	tagcaagtct	tctttcacac	ttatagctaa	atattttgtt	tatttgatta	83460
tttgattgat	ttgggtgtaa	attctattgc	acctctggta	aaccaagtca	gcctgccctt	83520
cctgggttaag	aaagagagac	agaaatgcaa	agtgtaacca	gcttattaat	aagccgagga	83580
tagagaaaag	aaatttgtct	ctgggctggg	agcagtggct	catgcctgta	atcctagcac	83640
tttgtgaggc	cgaggcaggc	gggtcacttg	agcccaggag	tttgagatca	gcctgttcaa	83700
catggtgaaa	ccccatctct	actaaaatta	caaatattag	gcaaggatgg	tggcatgtgc	83760
ctgtaatccc	agctacttgg	ggtggctgag	acacgagaat	cgcttgaacc	cgggagggtg	83820
aggttgcagt	gagctgagat	cgcctcactg	cactccagcc	tggctgcact	ctagcctggg	83880
caacagagtg	agactttgtc	taaaaaaaaa	caaaaaacaa	ctgtctctgg	cataacttga	83940
gaagggagaa	gctagaagag	acctttgggt	tcacaggtc	caagcactgc	taaccattca	84000
gctattctgt	gggcagaatg	tctttgttct	tccaggtgca	acttcagcag	ctgtgggcct	84060
gaactgacag	tgcggggtaa	ggatatcact	ctctccatgt	gaaacaaagc	aggactacag	84120
gaaagcaggc	tgatttggaa	aggccaggcc	caccaggac	aagaggcagt	gctgagtgtt	84180
tggctcatga	caaaacataa	tttacaatt	tactggcttc	aaggatgtaa	aaagttataa	84240
tttactggct	tcaagggtgt	aaaaaggcct	gcttcctagc	ctagctgcaa	gcagcaactc	84300
agtccatgat	cagcagattt	tctgaagcct	gggggtggga	tgcatgttgt	taacctctga	84360
tgcatgatgtc	tgctgagagt	ctgtaatctg	tgtggctcatg	aagatgagat	ttcatccatc	84420
aattgcttga	caagggctat	catcgtatct	ctgggcctgc	gtggctctca	acacacgacg	84480

taagaaacat	attggacaaa	agcatttcct	gggagaattc	tccagcaaga	attcagccat	84540
tggcaagaa	tctttcaagt	ggccctatct	cactggagac	aagtaaacat	atacgcagtg	84600
catatgtgaa	tatacactcc	ttcaagggtc	tgcactttcc	tagaaacaaa	aagaatgaga	84660
ggaaaaagct	ttacaggcat	cctgttagga	tgctttctct	cgttttatfff	taggctcttt	84720
tcagctctgt	gctaagaggg	gaggcaaagg	aagggttac	ccagaatgca	aagcttttta	84780
gtgagggttt	gggggtgtgca	aatttggtta	agtggtgaaa	acccagtggtc	tatggaagtt	84840
cacagcatcc	acagcactca	gagccccca	aatatctctg	gcccttgtgt	tcactaattc	84900
caaggaattc	tcagccattc	caggggactg	tggggatccc	cctgaaacca	ctacaattac	84960
ccagaatgtg	cccctcctaa	cacataggca	ttgaaccagt	tcctaactct	cccccaactc	85020
tcacagatct	ctagtacttt	aagagccata	tggcacacat	gcttagccct	cagccttctg	85080
cctaataggg	gagtgtcttt	ccagggaaaa	ataagattag	ggaagaggac	aaagaaagaa	85140
gaagagaagg	agtttccata	tccattaatg	aattcattca	acagatgggt	atggaacact	85200
taccattttc	caaagaccgt	actatgggtg	gggttataga	ataagaaaca	gcctggcttt	85260
tgaggagtag	aaactgtccg	gtggaactaa	cattaaaagg	tggtaatata	acatgacaat	85320
tgtactgatg	cacatagacc	ctgggggtgt	ttagggacat	agaggatggc	accaaacccta	85380
gactgagggc	atcatccaga	cagatacatg	ctcttgtttc	tgtgagtcct	gtgaggtgag	85440
tcactcacia	agaaaaatgta	aagaaataac	tcagaataaaa	taaaaaagata	gatggcacag	85500
taagcttggc	agattgatgt	tggagaacgt	cagtttttgt	ggcaacaatc	tgcaagggtg	85560
tctaattttc	tcctgcacca	ctcggctgcc	cggatgcaaa	agcagacaat	ggattgtggc	85620
tctgatctga	gttttattgg	gcagatgctg	cagaagggct	tgtttgaaaa	gggaatagga	85680
tgttattgag	agaacagttc	agatgaccaa	ccagggatct	gaaattaggt	agagacagta	85740
agagagactg	ataaactatg	aggaagcaaa	agaaccaagt	gactggagggt	ctataggctg	85800
tcaatgtaca	aatgtggcag	gagtaagcac	atgagagggc	tggaggatag	gatgctcact	85860
catttattcc	tcagatgttt	attgagtgcc	ttcagtgtcc	aggtagtggt	ctagttctga	85920
gagtacatca	tgcacaatgc	tattggggagg	agaaaaaat	aaataaaaatc	ataataataa	85980
acaagtaaat	tatgtaatat	gttaaaaagg	aataagtact	atggttggat	gggggcaggg	86040
gaagagaata	gagcagaata	agaattcaga	attccgagga	taggggtataa	ttttaaatag	86100
ggttgtcatc	atagctctgg	ttgagaagggt	aacatatgaa	cacacaatca	ggagagaaaag	86160
aggatgagct	atgcagatac	atgtattgaa	atattccagg	cagagagaac	agccacttca	86220
aagcctcgca	gtgtgtgagt	gcctgggtgt	ttcaaggaaa	agcaaggagg	ctgtgtggct	86280
ggagtggagt	gggcctggag	aagatgtaag	aaatgagggtc	aagaaacaac	agggatcgag	86340
tgtgtaggct	ttgtagactc	tggtaaagac	tggctttccc	tctgggaaat	agagagtcac	86400
tgtgggggtt	tgagcacaga	agtgtatgta	tcttatgtct	ctttaatgga	ttactctagc	86460
tgctatgttg	aaaatagact	tgagggaagt	gccagggtag	aagcaggggag	accagttagg	86520
aggctattgc	aataatccaa	ataagaaatg	caaagtaaga	ctttgatcag	gtggtggcag	86580
cagagggtgt	gagaaggagt	tagattctgg	atgtatttcg	aggatagagc	caacaagatt	86640
tatgacagat	tggatgtggg	tagtgagcaa	gagtcaggat	gactccaagg	tttttgggtcc	86700
aggcaaatgt	aaagggtggag	ttgccattat	ctgaaatggg	gaagaagggtg	agcaattgag	86760
aggggagactt	ggagttaaat	tttgaacaga	ttgtagtcaa	attgggtgtg	ggatattgggt	86820
gtttacaatt	cctgaagggg	aaccattctg	agtgacccta	agaccagag	tgtaacctgg	86880
ggatgggtgt	ctgaagagga	ataaagtga	atcattatga	ttgaataatt	tagaactctg	86940
gaggctgaaa	agctaatagaa	atctcctagg	atgttctacg	aggatgggtg	cccaggcacg	87000
agagtagggga	acgggggtcag	gccttatgat	ggatacttta	aatacaaata	gttagagggtc	87060
acactaatat	tagcttgagg	tgtgcagaat	tttaattggg	tgcagattag	tgtatacatt	87120
agaaataagc	aagatattaa	aagatcaaat	ttgtgaaac	acatcagata	acattatgat	87180
aaaggatatt	ggagttttat	ttgagttaga	tttacaatcc	cattgtagca	tggatcaaaa	87240
acagtaagtt	gataaagaaa	tcagataaat	tttcacaatt	taaatttttaa	ttgttttatt	87300
aaaaagcatt	ttggaaagac	attcatattt	ggttttggat	aggttaaagc	tcagtgatac	87360
catttacatc	aattttttata	gcatttttaga	gagcatgggtc	ttgtgacatc	ttaggataag	87420
ttttctgtta	gtcacagcat	gccacaaggt	accttgtgct	ccattctctg	gccatgtttt	87480

cagactcagt	aacttcaaat	aaaataaact	gccaaagtga	gaaattaaca	tttgataaag	87540
tttttgaac	atcataccat	tgagctgggtg	gatgtggctt	aagcatctga	attcattaga	87600
gactattgaa	atgataatgc	agaattatac	aggttttgca	gatgtagttc	aatatttatc	87660
tatatgtatt	gaaacctcac	ttgaggatag	aaaaatcaag	caagttcttg	tcttacattt	87720
ccactcaata	aatgaagagg	aagagataat	gagaaagcta	tataatcctt	taaaaaaaaa	87780
attcaccttg	tttctgactg	acagtaaccc	aattcaggct	ttttactctt	cataaatgga	87840
agacaagtaa	cctagatagt	actggctatc	tataattaaa	tatacaatat	tgaaatctat	87900
ttgctttgtg	gaaattatgt	gtttgtggct	gattaaaata	ttcagctatg	taggcttcat	87960
cttttagctc	aatagaaaaa	tataaatgac	attggtgact	gaattcctac	caacgtggca	88020
aagacattcc	ccagacatac	ataattcacc	tgctgaattg	gagatgattc	acctttcagt	88080
gacttcacag	gtgttaactt	ggccaaacaa	aaaagggaaa	tcatcttgta	ttcatctttt	88140
gttccctgag	gcaagttttc	agtaagattg	ctcgggaaaa	atatcacaat	atacatatat	88200
aagtccatag	tatgtctatt	tgaataatga	attagcacca	ctgtctgaga	ggtgaaaact	88260
attcaatgta	tattttctgg	aaaataacta	aattgagttc	ctcttaacta	aatcagaaaag	88320
agaaggaatc	ctcaatcagg	atttcatgta	gtactgtatc	actcaaagga	aaactgattg	88380
tatagtggta	ctcaataaaa	gtgggtccaa	agaaaaatta	tgagagaaac	gtaccgatca	88440
gtgatctgga	ccaaacagac	atgtggctgt	gaaatccagg	cagttgcttg	gtgacgaggt	88500
caccatcaga	tagtcatggc	ttatgtgcag	gaatgtgaga	atggccatgg	ggaggaatgg	88560
cctgggttat	gggtcttgca	ggagtccac	tgcttgtgcc	attgctcaaa	cttctgactg	88620
ccctgtgcag	ccggtgccag	gtcagcagta	ctctctgctc	tgaatcagtg	tcagcactgg	88680
tctctcta	gtagtacctt	tcttcaaaaa	atgctttgtg	aagctgctgg	ttagcactgt	88740
tcttacttct	gtagttaata	ttcaccacat	attccccctt	ttttgtggag	agataaagaa	88800
attaaggaaa	atcactctcc	ataagtccac	aatctgaaga	catggaggct	gaggaggcag	88860
acctgaatga	ataagtggat	catatgatag	ggctagatct	taaatttgga	tacaggagac	88920
ttaaggtaaa	ccacagaagc	ttgttgttta	tacatgtagc	tcttttgcta	aatataaatg	88980
tggcatgtga	agattaataa	atctgaatgt	aatgtacaga	atgtactaga	acaggaaaaa	89040
attggtgttt	actgagagct	gaagggtaca	tcaaaaatct	aaaaagtaat	atttttgc	89100
catcttaaa	tttgcaaa	gttttggcac	atacatcatc	tcatctttgc	aataacctgt	89160
ggggtagata	caaaagatga	tgttattttc	attttccaga	tgaggaaata	ggagcctggt	89220
tcctggctcag	acaggcttag	tcagctgtga	gtggcagagc	tggtgttccc	acctgttacc	89280
ctcaacccca	gttccattgc	tcctaacatg	attgtatcct	ggataaacat	ggtatcaaga	89340
atggagaggc	caagcgcggt	ggctcacacc	ggttatccca	acactgtggg	aggccgaggt	89400
gggcggatca	cctgagggtca	ggagttcgag	accagcctgg	ccaacatggt	gaaaccccat	89460
cttactaaa	aatgcaaaaa	ttagatgggt	gtgggtgggtc	gtgcctgtaa	acccagctac	89520
tggggagact	gaggcatgag	aatcacttga	acctaggagg	tggagggtgc	agtgagccga	89580
gattgcccc	ctgcactcca	tcctgcacaa	tagaacaaga	cactgtctca	aaaaaaaaaa	89640
aaaaatggag	agtgaatttt	gggaggctga	ggcaggcaga	tcacttgagg	tcaggagttt	89700
gagaccagcc	tggccatcat	ggcaaaaagg	tctctctact	aaaaatacaa	aaatcagcct	89760
ggcgtgggtg	tgggcacctg	taatcccagc	tgctcggggc	tgaagcagaa	gaattgcttg	89820
aacctaggag	gcagagggtt	cagtgcagca	agatcatacc	actacactcc	aacctgagca	89880
acagagagag	actctgtctc	aaaaaaaaaa	aaggatggag	agtgcagagaa	aactcagaga	89940
ctttgaaata	agaagtga	gaggccgggc	acagtggctc	acacctgtaa	tcccagcacc	90000
ttgggagacc	gaggcaggca	gatcatttga	ggtcaggagt	gcgagaccag	cctggccaac	90060
atggtgaaac	ctgtctctac	taaaaacaca	aaaattagct	gggcatgggtg	gcgggcacct	90120
gtaatcccag	ctactcggtg	ggctgaggca	ggagaatcac	ttgaaccagg	gaggcagagg	90180
ttgtgggtgag	ccaagatcat	gccattgcac	ttcagcctgg	gtgacagagc	aagactctgt	90240
ctcaaaaaaa	ttaaaaaaag	aagaagaaat	gaaagaaact	tggcaattga	ttgggtgttt	90300
ctgataaaga	aacagaagaa	ggaaaagggtg	attcctaggt	ttctaaaacc	tgggaagggt	90360
ggacagtgag	attataatat	aagcagctga	tgttggcaac	atgcctacta	tgtgccaggc	90420
catgtgcca	gcattttgcc	atattgcctt	attaaatcct	tacaactctt	tgaaggtaga	90480

tcgcataatt	attatttctca	ttttagaaaa	gggtgtgcat	gaaagttgct	ctcacttttta	90540
gaaaaagaaa	aaaaatcttcc	ctccaaaaca	aggctaagct	caactggatt	cactggccta	90600
tgctgacagt	acctggggcc	tgggacagtg	gtttgggtgt	cttgtgtgta	tggatgtatt	90660
acaatgtcag	acacaaaagta	actaagccgt	gctcctggcg	gttatgatgc	ttgcaaatcc	90720
agcactgcca	aactgttttag	tgccctctag	gtgctttgcc	tgtgggttaga	acaagcttca	90780
ctaagtggat	agttttgcct	tggccctgcc	tttaaggcag	tctgccatgt	catcaagaga	90840
cataggtaag	aatgctctcc	tccttagtta	tgatttaaaa	ataaaaagtat	aacaaagtat	90900
aattatcaaa	tgactatttag	tagaaatggt	gcattttatat	acactatttta	gattacaatt	90960
cttaaataca	atgtcttttcc	ttcttgttac	ttgtaattaa	ttagtatcag	tcactgtcca	91020
gtgtgagcct	ggcattgccc	ttagggtaac	cagttcacat	cctgaacttc	tgttggtgcc	91080
caggggtattt	gtctgaaaacc	ctgattattt	acatctccct	ctaactttca	aatttgtctc	91140
caatctcatc	taaaactatt	aatacttgag	aaaaggcctt	tccccaattt	cctgcttcta	91200
atcccttttat	cctcttttctt	tcttggaana	gtagaggaaa	atgggtttaca	tatcaaataa	91260
agtaaatagt	atatgaaaaa	aaaaaaacct	ctaagggtct	caaactctgt	ggatatctac	91320
ctgctgggta	tttattcact	aagctgcaca	tagcaatccc	ctagcaacca	taaacttcat	91380
gcataaaatc	ccaactcttc	tccaatacca	cctgtttgta	ggtagtcatc	cttcttttta	91440
aagacttggg	agttatacaa	ggaataagtg	ccagagttta	gttctttgtg	aaaaataaatt	91500
taaagaaaatt	ataagttttc	acagggtgtg	aaagatgttt	cttcccagtg	gtccttccact	91560
ccaaggctgc	actggagatt	atgctgggtga	ggaagctttg	gtctcgtagg	tctttggccc	91620
caaggcaaaa	ggtcatggct	gtaagtgtct	ttcttcctga	tcccctctag	gattgtgaag	91680
atgtccagtc	ccaatctgaa	cattgtgacc	ttactgggca	gttgtctcac	ttacagtagc	91740
gcttacctct	ttgggattca	ggatgtttta	gtggggagct	caatggaaac	tctcattcag	91800
gtaggtgaag	ttttaaaatt	tggttttgac	tataaagttt	tgattatttt	tttaaaccag	91860
ctgctcccgt	gggtgggtgg	ttcctttatc	cttggaagtgg	gcacttttcg	agggaatccc	91920
agaacacttg	gtgagggttca	ctctgtacct	cgtgcgctct	gtgggaccca	gaccctacag	91980
atcagagtgt	gtggagaact	gataaagggt	cctcttgtga	ctcttctgtc	cccttccacc	92040
catagacaag	actgtccatg	ctgtgcattg	ggacctccct	tgtgtttggc	cccattctgg	92100
gaaagagctg	gcgactctac	aagggtgttta	cccaaagggt	ccgggacaag	agagtgggtga	92160
gtaggcagca	agtacacaa	gcttgactgt	agatggtagc	ttcagcattg	gttaacagct	92220
agagaagctc	atgcacatta	ctgagcctag	cccccttcag	gacatccaaa	gttcctgttt	92280
ctcattccaa	accctggaat	catgcagcct	cataaggcct	caggtctgga	aggctgtgga	92340
tcagtgtgtg	tgaagatagg	gcttcaaacg	tgggctctgg	ttcctatgta	ccccaggccc	92400
tgtggggaca	tgtgagctgg	ccaataacctg	gcaccagtgt	gaggcagaac	aagataccca	92460
gagactgttg	tttggcacag	gtgagctg	gaagtgaagg	gagggaagagt	gattacagag	92520
aaactatagc	aagtaagtag	ttatttcctt	ccctggagtc	cagttctttt	ctatgtagaa	92580
ggcagttctc	tgtactgaga	aggatgtgcc	caaagcagtg	agcaaggaag	agcagataga	92640
atcaactcta	agttatgtag	cagccagatc	accgacatgt	ccctgggtatc	agtcataaac	92700
ttaaccacat	ttccccattt	tatcagggtg	tctgatgaga	ctgctcaaac	ctcaattcct	92760
gaccattatc	ctcattgggt	ataggccctg	cccagaccca	atatatcatt	cagttgggtg	92820
ttacttctct	ggaatgatgg	gaatttattt	tagcaaatgt	tattgaatca	tggtgcatac	92880
ttacaaaaag	ctcagctgtg	agcaaccata	cctatgaaga	agattgccta	aaaggacaaa	92940
aactgcattc	atccctcaag	aacaccaatt	tcttttttta	acagctttac	tgaagtataa	93000
ctgacatgca	gtgaactgca	catattttaa	gcataatgaa	tgataaattg	tgacatggat	93060
atacaaccaa	gaaacatggt	gcataatgaa	catatccctc	atcttcaaaa	gcttccttgc	93120
aaccctttgt	tatctccctc	ccctgtccaa	tccttatatc	ccttgttcct	atcctcagaa	93180
aatcattgat	ttgctgtcac	tgtagatgag	tttgcatttt	ccagagtttt	acataaatgg	93240
aaccatgcag	tatggactct	gttttctctg	gcttattttt	ctcacataat	tgtttttatg	93300
aatattatag	ttattttatct	atgttgtgtg	catcaaatagt	tatttctttg	ttattgtctga	93360
gtagtattac	aatgcataga	cacaatttgc	ttatctgtag	atggatgttt	gggttatcgc	93420
cagttgtggc	gattaaaatt	aaagctgcta	tgaacattcg	tgtacaaagt	ctttgttttag	93480

acataggctt	ttatcttctt	tgggtgaaaa	cctaagagta	tggttggatc	atatggtaag	93540
tgtatattta	actttttaag	taacagtcag	actgtttttc	gaagtggttg	taccattctg	93600
catttccacc	agcaatgtat	gagagtccat	ttcctccaca	ttcttggcaa	catttgattt	93660
gatcagtctt	tttcatttta	ggcattctaa	taggtatgtg	tggtagtatc	tcattatgct	93720
ttcaaatttg	catttctcta	atgcagtatt	gagcatttct	tcacttgctt	atttgccatc	93780
catacacctt	ctttggcaaa	ctttctgttc	aaatcttcca	cccatttttt	tttttttctt	93840
gagacagagt	ttcattcttt	cgcccaggcc	ggagtgcagt	ggtgtgatct	tggctcactg	93900
caacctctgc	cttctgcttt	ccagcaattc	tcctgcctca	gcctcccaag	tagctgggat	93960
tacaggcacc	caccagcaca	cccggcta	ttttgtattt	ttagtagaga	tggggtttca	94020
tcattgtgac	caggctggtc	tcgaactcct	gacctcgtga	tccgcctacc	ttggcctccc	94080
aaagtgtctg	gattataggc	atgagccacc	acacccagcc	tcactcattt	ttaaattgga	94140
ttttttgttg	tcttattatt	gagttttgtg	agttcttttt	atattctgga	tacaaaccct	94200
ttatcagatg	tatgatttgc	aaagattttc	ttccagtttg	ttcttttgtt	ccttttactt	94260
tcatttactt	cagaatgtct	ttcaaagata	agacatttct	cattctgatg	aagttgaatt	94320
taccaatgtg	ttctttgttt	ttaggtttct	tgtttatttg	tttgtttgtt	tttgattttt	94380
tagtagagac	ggggctttac	catgttggcc	aggctggctt	caaactcctg	gcctcaagtg	94440
attcaccagc	ctcagcctcc	caaagttcca	ggattacagg	catgagccac	cacaccggc	94500
cccaatgtgt	tcttttatgg	atcatgtttt	tgggtattata	tttaagaaat	ttttgcctaa	94560
cttaaggccc	caaaagggtt	tctcatgtgt	ttacttccag	aaattttaga	gttttagctt	94620
tgacatttag	gcctatgatc	ggtatatggt	atgatgtatt	gattgaattt	tagtttttta	94680
catatagaca	tttgattatt	ccaacatcat	ttgttgaaaa	gattgtcctt	tcttcactga	94740
attacctttg	tgcttttgtt	aaatcagttg	tccataagtg	tgtagatcta	tttctggacc	94800
ctccattctg	tctcactgat	gtgtctatct	caacagcaat	gccatattac	cctgattact	94860
gtagctttat	actaaatctt	gaaatcagg	agtattagtt	ctttgacttt	cttcttctct	94920
ttcaatgctg	ttttggctaa	tctgggtcct	ttgaatgccc	atgtgaattt	ttgaatcagt	94980
tcactgattt	ctacaaaaat	tcttttggga	ttatgttgaa	tctaatagat	caaattatgg	95040
agaattggct	tcttactaat	gttgtgtcct	ttgacccatg	aacccattta	tttaggtcct	95100
taatttttcc	catcattttt	ttgtactttt	caatattgct	ctttcacatc	tttcatcaaa	95160
cttatttcta	gggattttat	atttttatgc	tattttatat	gttactat	ttttaaattt	95220
cactttccag	ttgtttgttg	ctaataaata	gaaatataat	tattattatt	at	95280
gagatggagt	ctcactctgt	cgcttaggct	ggagtgcagt	ggtgcgatct	cggcttaccg	95340
caacctccgc	ctcccgggtt	caagcaattc	tcctacctca	gcctcccaag	tagctaggat	95400
tacagggtgcc	tgctaccaca	cctgggttagt	ttttgtattt	ttagtagaga	tgaggtttta	95460
ccgttttggc	caggttggtc	tcaaactccc	aacctcagat	gatctgcctt	ccttggcctc	95520
ccgaagtctt	gggattacag	gcattagcca	ccatgcctgg	ccacagaaat	ataattaatt	95580
tttatatgct	tagcttgtat	actgcaacct	tgctaaacta	catgttagtt	ctagcagctt	95640
ttttatagag	tctatcagat	tttctacaaa	gatgatcata	tcagcagtga	ataaagataa	95700
tttattttcca	atctcttgtc	tgattgcact	ggctagatac	aatagtacaa	tctgaataga	95760
agtggtgaga	gcagatatat	ttgttattct	tgatcctatg	gggaaaacag	tcaaaactaa	95820
gaatgatatt	agcagtagtt	ttattgtaaa	ttccatttat	ccagttgggg	cagtactatt	95880
ctattcttat	tttgctgaga	gttttaaatca	agaactgatg	ttgggttttg	tcaaaagctt	95940
tttctgggtc	tattgagatg	atcatacagt	ttttcttttc	ttagtttatt	cgcattgggtg	96000
attatgttaa	atgggttttt	ttttaaacc	ttacacaata	gactttattt	tttagagtag	96060
ttttaagtta	acataaaaa	tgagcagaag	gtacagaggt	tttacaata	cagtctttcc	96120
ccacacatgc	atagcctctc	ccattatcaa	tattcccat	cagagtatat	acttattaca	96180
attgatggaa	ctacattaat	acgtcattat	cacccagagt	ctgtacttga	cattagggtt	96240
cacttttggg	gttgtacatt	ttatgggtct	ggacaaatgt	gcaatgacat	gtatctacca	96300
ttacagtatc	atacagagta	gttttactgc	cctaaaaatc	ctctatgctt	ctgctcatta	96360
tctctttctc	tccccatatg	ttaaatgatt	taggggtgtca	aaccaacctt	ccatccctgg	96420
gattagcttc	atttggtc	gctacattat	cctcttcata	tattgttgga	ctcagtttta	96480

taaaaacttt	gtttagaatt	tgtacattca	tgtttttaat	acatattgct	ctgtggttgc	96540
cttgaatat	atTTTTctag	ttttggtatc	agggtaatgt	tggctttata	aaatgagttg	96600
ggaactattc	ccttcttttc	aatTTcagga	ataatTTcta	tagaatagca	taattggcac	96660
tcatgtataa	gtaccttaca	atagtatgct	tccttttatc	cccattccta	tctttgctgt	96720
tacatgttat	aggcccatg	caattctttt	gtttaataaa	tcaattatct	ttaaaaatat	96780
tttatttttt	tatttttaag	acccaggaca	acatgctgaa	ttttgttatt	ttctttaatg	96840
atattttaaa	aatgaaaact	aatcatgtat	ttttctgttt	agttaccatt	tccagtgttc	96900
ttaatttcct	gtatagatcc	acatttttat	ctcatattat	tttcctttgc	ctgaaggata	96960
tctaacattc	cagtgtgggt	gtgctactac	tgaattcttt	cagcttttga	ttatctgaaa	97020
aagtctttat	tttgcttca	tttctgaaa	atatattact	gagtatagaa	ttctagactg	97080
aaattttctt	ttcttcttct	agtactttca	agatgttcct	gcactgtcct	ctcacttggc	97140
cttgtatctg	atgagaagtg	tcaggtttat	tttatgtcta	cacaaaatgt	gtctttcttc	97200
actgcttgct	ttgagtagtt	tccctttatc	actggttttg	aacagtttga	ttaggcaatt	97260
ggtttgTTTT	taattttaca	aacaccttga	atcacgtaac	tggttgtgct	tcttttctact	97320
ggttgtcaaa	agctcagatc	cacatttctt	ctgctccaat	tagtaaatgc	tattatatat	97380
acactcttca	tctgagcctt	catcataatt	ccctttatTT	tctctcttcc	cggttgttaa	97440
atattttaat	cctatcacag	tatatatttt	tctcaatttt	atTTTTgtag	tcacaaacta	97500
acacattctc	ttcatcctaa	gtcaaatacg	gatgggtccct	gacataaaac	agttcaactt	97560
acagtttttt	tatttttaca	tggtgtgaaa	gcaatccaca	ttcagtagaa	accatactta	97620
aaatacccat	acaaccactc	tgTTTTttcac	tttcagcaca	gtagtcaata	catttttatga	97680
gatattcaac	acttcattat	aaattaaatt	aagctttgtt	ttagatgatt	ttgcccaggt	97740
gtaggctaata	ataagtgttc	tgagcacatt	aaaggtaggc	taggttaagc	tgcaatgttt	97800
ggtagcctag	gtgtattaaa	tgcatTTTTg	acttatgata	ttttcaactt	atgatgggtt	97860
tatccggaca	taaccccatc	ataagtcaag	atcataagtc	aatctgtaat	tcatatgtat	97920
ataatgaaaa	tgctaatagat	tcttcctgca	tctctgagtc	ccaccctctc	agttaataagt	97980
tattaacatt	gtgggtgtgac	attcatatct	atgtgcttat	ataaacatat	agaaataata	98040
gtttattttat	tttataaaaac	accttgagtc	ctttgtggga	aaaggtagga	tatgaagaag	98100
ttaaacaaat	ggaaatgtgt	aatgctaata	atgatatcag	catagaagtc	attgtaaatg	98160
tttgggtgtct	gtttcatttt	tgatagctac	atTTgaagct	ccttggggagg	gctgaccttg	98220
gagcatatag	ctgagagcac	atgggatact	ctagccctc	tgtcatttag	ccagtcaaca	98280
aggagaagtt	ttgaccttga	ctcttttgca	gattatcaaa	gacctgcagt	tgctgggggtt	98340
ggtaggcagcc	ctgttgatgg	ctgatgtgat	cctgctcatg	acgtgggtgc	tgactgatcc	98400
catccagtg	ctccagattc	tcagtgtgag	gggccaaaatc	cctagagaat	ctcatcccca	98460
aactggactg	acctctgtgg	atacacagga	gtcatccttg	caacaagaag	ataaaggact	98520
ccaagaggag	ggagagtcag	gagttgtggc	ttccatgtaa	ttcttgccct	agtctgctgc	98580
cactcccact	gctcctcctg	cccgagtgtc	tctttgtggg	catacaatga	gatatcagca	98640
tgctggaatc	tgcttggcag	ttctgccact	tccacattat	caataattaa	aactttcagc	98700
tatcggcagt	taccttcccc	taattgtaga	ggtaggagga	gtagtttaag	gtggcctttg	98760
gagtcagtca	accctgggtc	aaatcccagc	tctaccaagc	tcaccagttg	tgtgaccttg	98820
ggaaaagttat	gtaacctctc	taagtctgtt	tcctaattgg	taaaattgag	ataataatac	98880
tacctatctc	ataggggttg	ggcaaagatt	aaatgaaaca	atgtaggtaa	aagacttaac	98940
catgtccagt	acatactatt	caattaacaa	gaagtatggc	cgggcacggg	ggctcacgcc	99000
tgtaatccca	gcattttggg	aggctgaggc	aggtagctca	cttgagggtga	ggagtttgag	99060
accagcctgg	ccaacatgat	gaaacctatg	ctctaccaa	aatacaaaaa	ttagccaggc	99120
gtggtaggcac	atgcctgtaa	tcccagctac	ttgggaagct	gaggcaggag	aatctcttga	99180
accaggaag	cagagggttg	agtgagctga	gattgcacca	ctgcactcca	gcctgggtga	99240
cagagtgaga	ccctgccaaa	aaaaaaaaaa	aattattata	tatctccagc	ctcacgaggg	99300
gctgaggaat	acagtgggaat	catggaatcg	tgacactgca	agattaatgt	ttaaggattc	99360
aatgattttgc	aaaaagcagg	tgcataatga	aatagtttat	agttttgttg	aggcactaat	99420
ttgattgggg	tagcaaagca	cataaatgag	gggtaagccc	tagtgtcacc	aagcacacag	99480

ctgttagccc	aactttatca	tctcttctcc	taacacgtag	tcactctcat	ttaggttcta	99540
gtggagtcac	ctaaatgctg	cagtttttac	atactgaggg	ggtatcatgt	actctagaag	99600
aattcatgct	ccagcatgtt	cacaaagatc	tgctttgtgt	tcctggtaat	tgtgggcacc	99660
tccagttctg	actctgtgtc	ccttctaggt	gacagggaaa	gacgtgtcct	gcacttcgac	99720
cagcaccac	ttctgtgctt	cccggatttc	cgatgttttg	attgctctca	tttggggatg	99780
caaggttggg	aaccacatct	gatatgggtc	ctgtcaccaa	gaaaatggat	atgaagaggg	99840
aattacagga	attaacgagg	tgatgtctgc	aaagaatctt	gaactcagag	gagacctctg	99900
ttgatgcata	aacttcaaag	ccatgactgt	ttttactttt	ctatttgtat	ttgtttgggg	99960
gagaccctcc	aactcttttag	actccctcat	tcagtccctc	cccaaactcat	ctggaattca	100020
cccactgttt	ctcctattta	ttgggtctgg	ttcttaattg	atttgacaat	accagttttc	100080
ccttcatctt	ccctgcaaga	ggaattatga	ggagaaaattt	gacccagctt	tatttgttct	100140
cctaagtgcc	cttattatgt	ctcttgtgtt	ttcttcaaga	tttgggcgaa	ggtgtcctgg	100200
tgcctttcac	ccacctgact	ttctccctct	ggttggaagc	aagactggct	ctgagacaga	100260
tggcagcatt	cacagggccc	tttgaggggt	tccacctgtc	tcacagtgtc	tcccatactg	100320
ccccaaatct	ctcaccatta	gactcatttg	tctctgttag	atgggcaaaa	gtagaatatt	100380
atttccagaa	ggtagaggat	acctgcatgg	agcactgagg	atggctctca	gaacaggaca	100440
gctggttttc	agcttaggga	gacagagaac	tggtgctgag	gggtacaggg	cagtcctgat	100500
tccataaaca	agcaagtcct	gcctgacagc	agactacctg	ttgactatca	gggcagagag	100560
ttctggttga	ctgattactg	gcagaggaaa	aggaggagtt	tttgtagaaa	taagtaccct	100620
ttaagggtaa	actctggccg	ggcacagtgg	ctcacacctg	taatcccagc	actttggggag	100680
gctgaggtgg	gtggatcact	taaggtcagg	agttcgagac	cagcctggcc	aaacatgggtg	100740
aaactctgcc	tctactaaaa	atatagaaat	tagctgggtg	tggtgggtatg	cacctataat	100800
cccagctact	tgggaggctt	gaggcaggag	aatcacttga	acctgggagg	cagaggttac	100860
agtgagccaa	gattgcgcca	ctgcactcca	tcctgggcaa	cagagcgaga	ctctatctca	100920
ataaaaaaaaa	aaaggggggg	taaactttac	ccacttcacc	actaagaaaag	tattagaagt	100980
tgttgcttgt	gaggaacagg	tttaggggta	ggccagacta	gggcagggaa	acattccttt	101040
ttaactatgt	gcaaataatta	ctttgacaga	aatatTTTTT	aaaagaagac	tctaggaagt	101100
gaacagctct	tgatctccag	aatcttgcta	atggttaaaa	aaggagcttt	agttgtgaca	101160
gatcagggtt	tgaatctgac	tccgcccctg	gctagccaac	cctgagcctc	atttaacctc	101220
tctgagcctc	agtttccaaa	ttttaaaatg	cggatgatga	taatatcccc	tcagaactgt	101280
tctgtctcta	aagagttaat	gcatgttaag	agttttcagc	cgctcctggg	ccatagcaag	101340
agctcaataa	atgttagata	ttattattac	tattcttcca	ctgcccccta	gacacttctg	101400
gaaaatacat	tgccctctgtt	ggttccttga	gtccctgtag	aagagtgtgt	cctccctagc	101460
ccagaaagcc	agcacttccc	ccatagctac	ttactttgtg	actcaatttg	atttattttc	101520
tccattgcct	tttatatact	ctcatttcca	ttctatttta	ctgtaatatc	tttctgtagg	101580
aaaaagaagg	aaaaggatgg	agcatcagga	aacttactga	gccagacccc	atagactccc	101640
tggtcagtga	gaagctcctc	aggaggaccc	caatctccac	attgagtcct	aggacccctg	101700
ctctctgtca	actgccccct	acccacact	tctcagcagt	taaggccagt	gatatgcaag	101760
gatcaaatat	gactcactca	gacaccagcc	aggaatgtat	agacacttga	ttcacacca	101820
tttccccctt	aacaagaatt	ttaatggaat	taaaaacttt	tagtggaatc	atatctgaac	101880
atttcaaaat	cacagaatta	atttcatttg	ccttttatta	aattagcaat	gatccaactc	101940
tgctgaatac	cacctgatgg	cgtcagttac	ccaaaagtgg	ggcttccctg	gtctcctgac	102000
ttatgtgtcc	tctagtcat	gaagatctca	gggtggccac	atttggcctt	caggcccat	102060
ttgggacact	gggcattagg	ggaacctgga	aggtatctct	tccatgctga	ctccttccct	102120
tctggcacag	ccagttctcc	aaaatatgtt	ctttagtgtc	acccatgaag	gtggagtgtga	102180
ccacgtcata	tgatttgagg	gtcaccagca	ggtgtcctgc	tgatacctga	ctttattttc	102240
attattagtt	ctccctctga	atcccacagt	cccaccccca	cctcgctctc	catggcatct	102300
tcacgttctg	agtcatcaac	atgaacattt	ttaggctggg	cgcagtggct	catgccggtga	102360
atcccagcac	tttggggagg	taaggcggtt	ggatcacctg	aggtcaggag	tttgagacca	102420
gcctgaccaa	catggtgaaa	ccccatctct	actaaaaata	caaaattagc	tcagcatggt	102480

ggcacaagcc	tgtaatccca	gctactcggg	ggctgagaca	ggagaatcgc	ttgaacccgg	102540
gagacggagg	ttgcagtgag	cagagatcat	gccattgcac	ttcagcctgg	gcaacaagag	102600
cgaactcca	tctcaaaaaa	aaaaaaaaaag	aagatTTTTg	tgcttacctt	aaatctacct	102660
accagaccaa	gtgttaaaaag	ccaggaccat	gacttctttg	tgtcactatt	ttctgcccta	102720
cacgtactat	ggcactgcac	acatagtcag	aaagggtgaac	ctaattgaat	ctatgtgtta	102780
tgtattattg	actaaagctt	tgatttctgt	atgaatgcag	ctcctgtgga	gggggcagca	102840
ctttaagggtg	ctatgagtta	ttttctcctt	agtacaaatg	acaactctga	gagcagggtt	102900
atattcatag	gaaagagaac	agaatagggc	cctgggttcc	ttgtagggga	gcaagaaatg	102960
tcacaaaaag	ggtgagaact	atagatggag	ctttcgctgt	ctgtgcctgc	cccacagtct	103020
tgcttggttc	ccagcctgcc	tttgttctcc	ccttttttta	cccttcatct	cccataaaca	103080
ctcactggca	tggagccgct	gctagcctgt	agagatcctt	tgtgtaaaatt	ttttgaaggc	103140
ccatcccttc	tagtcagatg	cagtcttgca	ggtgcaaggc	ttggcaagca	gatggtgcct	103200
ttgggcaaat	tagagaaaag	agcccccttc	tatgggcact	accctggctg	tggcacatga	103260
cttgacaagc	agatcagagg	tcactttcag	cttcctgtg	cacctcagc	tttgagcagg	103320
gcaacaccag	acaatggctg	tggtagcact	cactatcaga	ggttctgtgg	gcccactgtc	103380
ctccaagtgc	ccaacagctc	tttctgtagg	gatactaacc	caccacatg	atcctgtcct	103440
atgccttgtc	tcagaagagt	cttatttaat	ggctgacttg	ctgacttctg	ataaactaat	103500
tctcagcaaa	ggagaggaaa	ataacattta	ttaagtatct	agtaggtata	aggggctgcc	103560
ctgagggttt	tcttatgtga	tatcttagta	aatcctcata	gcagtcctta	aggtaggtat	103620
tattatccta	attttacaga	tgaggaaatt	ggttgcaaac	ctactgctca	ttgacctctt	103680
gttccacttc	tctgagcctc	cgtcacctct	tcacccccca	gggtctgctc	ctgctgtatg	103740
gtgcctacct	ggctggcctg	actggccatg	tcagctcccc	tcctgtgaat	cagtccttaa	103800
ccatcatggt	gggggtcaac	ctccttgta	tggctgctgg	gctgcttttt	gtagtcacca	103860
gatacttgca	ttcctggccc	aacctggtct	ttggactcac	atctggaggg	atctttgttt	103920
gtacaactac	aatcaactgc	ttcatcttca	ttccccaggt	atggattttg	cagggtggt	103980
cctcttagtc	actctagagt	ttttcactga	caaatgtctc	attttgtttt	ctactgatac	104040
ctttccatgc	cacttattgg	agagtcagaa	agcagacagg	ggatcctagt	gagctggttg	104100
cctttgtcct	ttctcactgt	cctggtcagc	aagggggaca	aggcagagtg	gtccaagcag	104160
tggtaggcagc	ccctgtttgc	actcttcac	acctgtgggtg	cctgtccctt	gggggggctg	104220
cctcgagtc	ctgcttttcc	atccaccctc	tggctgtctg	cactcgttcc	ccatcctccc	104280
ctcatttcca	tcattgttatt	actatttctt	tcactagcct	gggagcaagg	aacctttata	104340
tttttccaat	tggggattgc	agactcacag	gaaaaaatcc	atttagatgg	aactttatga	104400
tttaaagtgc	tttctctttc	tttttattgg	aggaaaatac	agaacatttc	tctgcttttt	104460
acaataagga	gaggtagaaa	ctaaataaaa	atatgtttca	tattatgggg	attttaaaaa	104520
atcaaatgag	ggaggaagac	agaagcagaa	atagccagat	agcaaagaag	aaaggtagtc	104580
agaggggaaca	gagaaggaat	cctaggctca	gaaagcaagg	ggatgtggga	ttgttcatgc	104640
tacaccctgg	ggaccatcaa	gccacatata	tctagggttaa	tgaacttggc	actagggtact	104700
ttcttgtttc	cctcctagt	ctccttttct	tccctctgag	acctccctca	tcccactcct	104760
ccttcaagac	cctgtcctga	ttcccattgc	aacttccagt	tgactgtaaa	ctaattcctc	104820
atgatggagc	taactgataa	tgtaagtgtt	ggctgatggc	acgttacagt	gtatttgtga	104880
aaggggaagag	tgcacttttg	gtcatgatgg	tatgacatgg	gcatagccct	gttacgattc	104940
ttctctatca	caaatcctca	ttacagtact	caacagaata	cataaatatg	gaaaaatctg	105000
cagcagcagc	actagaaacg	atggatggct	attgcctctg	tgccagaaac	tggaggaatt	105060
tttgccaaat	cttaatgccg	taaaaactgg	aatgaaggaa	gccatttaga	gctgaggcct	105120
gtttgtctgg	gatgaggcag	aaatgggctc	tgagaagcaa	ggactgtttc	tccctgggag	105180
accggggggcg	ggggcggggt	gggtgggcag	gggtaagggt	aggcagggtgc	cttttgggaa	105240
gcccacccct	tagggcctgc	agccaatatt	gttggattgg	tagcgatcaa	caatgcagag	105300
aactggtgct	gaagggtaca	aggcagtcct	gattccataa	acaagcaagc	cctgcctgac	105360
agcagcctac	ctgttgactg	tcagggcgga	gaggcctggt	tgactgatta	ctggcagagg	105420
aaaaggagga	gtttttgtag	aaataagtac	cctttaaggg	taaactctgg	ccaggcacag	105480

tggtcacac	ctgtaatccc	agcacttggg	gaggctgagg	taggcgtatc	acttgagggt	105540
aggagttcga	gaccagcctg	gccaacatgg	tgaaactctg	tctctactaa	aaatatgaaa	105600
attagctggg	catggtgggtg	cacgcctata	atcccagcta	ctcgggaggc	tgaggcagga	105660
aaatcacttg	aacccggggag	gcagagggtg	cagtgcgccc	agattgcgcc	actgccctcc	105720
agcctggggca	acagagctgc	taaccccttt	cttccttgct	tgctgcact	atagagacag	105780
caacagctag	actcttcttt	tgccagcttc	ccatagagat	aggagtgcct	atatgacacc	105840
atittgaaca	ctagagggtt	tctgagaagc	ttctgagaaa	gcttttgctt	tcctgaaaaa	105900
ggttataagc	atggctaaca	tcaccccttt	taccttcttc	ctgccttgaa	tgtatgtgat	105960
tcctagagct	atggcagctc	tcttgtaaac	ataaggaaaa	gactaagaga	atatagttat	106020
aatactagga	agatacagct	ctttccatgt	aagattataa	attctggagg	aaatgatcta	106080
tgaaggggaat	ctgcagttca	caagaagagg	actacaaatg	tctaaagatt	tagagaagct	106140
gccttcctct	ggagtagaag	tgtttagaag	ataccggact	tgtcaataga	attcaaagga	106200
tattgtctct	tctcaactaa	agcaaaactat	catgaaaaaa	agctaactct	aataaaatat	106260
tgaataagga	ttaaaaatat	ggtattaaat	ttaaaatccc	aatagaagca	ttgactgggc	106320
aattagacac	tacaaaatat	tgaattagtg	aattacttta	aggaaacaga	aaataaggaa	106380
acaaatgaga	gactagataa	gaaaatatgg	aaaatggcca	gatgcagtac	ctcatgcctg	106440
taatcccagc	attttggggag	gccgatgtga	gcggatcacc	tgaggtcagg	agttcgaaac	106500
cagcctgacc	aacatgggtga	aaccccatct	ctactaaaaa	tacaaaaatt	agctgggcgt	106560
tgtggcatcc	atctgtaatc	ccagctacta	gggagactga	ggcaggagaa	tcgcctgaac	106620
ccaggaggca	gaggttgag	tgagccaaga	tcacgccatt	gcactccagc	ctgggcaaca	106680
agagcgaaaa	tctgtctcaa	aaaataaaat	aaaaagaaaa	aaataaaata	tggaaaacat	106740
ctaggaatac	aattgagagc	tgataggagt	ctctgaaaga	gaacaaaata	atitggggca	106800
gaagtcat	tcaaagagct	atcagaggaa	aatgtttctg	aacaaacaaa	gccttggtca	106860
gaaaactgaa	tgaattggca	atctccatga	tggcgccctg	cttactgctc	ctctctccat	106920
cctcacctct	caccactgcc	cccttgcatc	gtaagcctca	gccacatcac	ttcccccttg	106980
cctggtgttt	gagtcctcag	cagctaggac	aattgtgaca	tctgggtact	ctacacacaa	107040
aaatgcagaa	tgaagtgtctg	cttgaaatct	gccttccagg	ttttcactaa	gcaacaaaca	107100
cttgatttgt	tgaattggga	atggaaatgg	aatgattatg	aggtagagga	attgggtgga	107160
tggactgcac	tggccttgct	ttccttctat	ctcactccct	ctttccctcc	tagctttctt	107220
aagcttcctt	tctcttactc	tgtctttcct	cttccatttt	ctcccttggtg	tttttttttt	107280
ttctcctctg	gaactaactg	accatgatgt	gaaactaaaa	aatataat	gtagtctgtt	107340
gtatttttagg	tttagatggg	aagtagttct	ttttcaaaat	ataaaaagaaa	ctgagggttg	107400
ttagggtttct	gtgtgtttcc	ctctggctcc	gaggtctttg	gtagaagaac	gattctccct	107460
gtgatacttg	cactgtgtat	tcctagaaga	taatttggga	aagtaatttg	agtaaatttg	107520
ggaaagtggg	tgaggggaac	tatctgggta	aggggtgggg	gttgagcaaa	aacgggggtc	107580
cttcttgcca	gtgagctttc	agacatgact	gtgatggggag	gagtttgtag	aagcaaaggc	107640
acagataccc	ccagggcagc	gaggcagcgc	cagagagcgg	gtgaaatgga	tgacattact	107700
aaggagacaa	ggggcccaag	aagccttctt	tacacaggca	ctcaggaaat	gcctgagtgt	107760
ttatgccaaag	cactgagggtc	atcactagaa	gtcagccagc	cgctgctgtt	ctgacctgaa	107820
tatgacctat	ccccagccc	tctgctccct	cagagaggca	ggcagggtcct	aaggtaggac	107880
attgttttct	ctctcctcta	accccgaag	catttcatct	gctcctccct	gaagatgtgc	107940
aggcctttct	aatctgccct	ataattatat	gtatatgtcc	cagcaccctt	actagaccag	108000
tgagcatttt	aaagaaagct	tccttcattt	gttcatgcat	gcatccatcc	atccacttat	108060
taactgctgg	gtacatgcac	ttaaacacag	agtccgcctc	taggtctagt	ggggagcaaa	108120
catgaaagga	attatcatac	atgtgttaag	agctttgaga	aaggccttcc	ccagcccatc	108180
tgagaactca	gtggcacctt	ctcagaaaaat	gaggctgggc	atgggtggctc	atgcttataa	108240
ttccagcact	tttcaaggct	gaggcgggta	gatcgcttga	gcccagaggt	tcgagagcaa	108300
cctggtcaac	atgggtgaaac	ctgggtctctg	caaaaaatgc	aaaaattggc	tagacgtggt	108360
ggctcacgcc	tgtaatcca	gcagtttggg	aggacaaggc	gggcagatca	cgtgaagtca	108420
ggagtttgag	accagcctgg	ccaacatggt	aaaacccctg	ctctactaaa	aatacaaaaa	108480

attagctggg	tgtggtggcg	ggcgcttcta	atccagctac	ttgggaggct	gaggcaggag	108540
agttgcttaa	accgggagac	aagggttgca	gtgagccgag	attgtgccat	tgactccag	108600
ccagagacag	agttagactg	tctcaaaaaa	tataaagcaa	aaattagcca	ggcatggtgg	108660
tgcatgcctc	tgggtcccagc	tacccaggag	gctgaagtag	gaggatcacc	tgagcccagg	108720
aggttgaggc	tgcatgtgagc	tgtgattgtg	ccactgcact	ccagacagag	taagaccttg	108780
tctcaaaaaa	aaaaaaaaag	aaggaaaggaa	gggagagagg	gagggaggga	aggagggagg	108840
taggaaggaa	ggaagggaagg	aagatgaggt	gttcgagctc	agtcttgaag	gaaacataag	108900
agttcattga	agagatgggg	gaaagtaggt	ggcatttctg	atggaataac	atcatgacca	108960
gaggcaggga	ggctagaaaag	agagtagcgt	atgtttggag	cacatgggtc	tttgttattt	109020
ttgaagcaca	aatggaaaacc	agggggagaa	tgacaggact	ggggagagac	acacctgggg	109080
agcttctgag	gccctgctgg	accctgttaa	agagttgaca	tttagtccca	ccatattagt	109140
ttcccactgc	tgctataaca	aattcccaca	agcttagtgg	cttaaaataa	tacaagttta	109200
ttatcttaaa	attttggagg	tcagaaatct	gaaatagggtc	ttatttggct	aaacttaagg	109260
tgtaggaag	tctgtattcc	ctccagagat	gcaaggggag	aatctgtttc	cttgtctttt	109320
tcagcttcta	gaggccgtct	gcattcttgt	gcttattgtc	ccctcctcca	ccttctaagc	109380
cagccagggt	caaatctgcc	agaagagatt	caaatctttc	tctctctcgc	ccctgtttcc	109440
attgtcacat	ctccttctcc	aactctggct	ctcctccctc	cctcctataa	ggattcttgt	109500
gattacattg	ggcccacttg	gataacccag	aataatcacc	cctcttgaaa	tccttaatta	109560
catttgcaaa	gtcccttttg	ccacataagg	tcacatattc	acaggctcca	ggaattagga	109620
tgagagagaa	catctttgag	aagccactgt	tcagtctgcc	acacccccat	agcccagagg	109680
ctcagaaaac	cagaatctgc	ctgtccttct	ggagggaaggc	agaggagagg	ccctgaattg	109740
tgaaattcat	agctggattc	cagaaaacct	gaaggggtga	gccttaagga	gtatcttcac	109800
aaatgaggaa	tgaagggtca	gagtaatcaa	gggggtatctt	ggctccactt	ggccaattta	109860
gagacaggaa	gacaaaaagc	cctgggagggg	cccttacgcc	agtgtctgagc	tgctcctctg	109920
ccagccctgc	agagaggcct	cagtctggga	gtgtctggggg	agatgaagga	aaagctgtac	109980
tgtagcactg	ccagggtcag	tgtgaggaga	ataaccctag	gagggtctgat	tcatccaccc	110040
aaggccacag	atgaccttgt	gttgttggct	ccagtagctc	ccaagtagga	tggtagctg	110100
agagcatcct	ttcgtgggga	gggggccttc	aagaagggca	tctgagaggg	gaggtaggag	110160
gcctgaccca	acacagggtca	cacagactcc	tgggtgcgatg	atggactcat	gatgagtcag	110220
cagaggaccc	aagaggactt	gggtgataat	atcaatttca	gtggcattga	aattgatggc	110280
aggattcaga	atcctatctg	agatttacaa	aatttgggtt	acactccatg	gtcggagctt	110340
aacaaatgtt	tgatggatga	gtaaaagaaat	cccaggatcc	ctttgaggct	acccatagac	110400
actgcagcat	catttctaga	atcaagggtcc	cagggtcccc	agtgtccatc	actaggacac	110460
ttagtattgg	ggattcctga	gaggaaaaca	gaggccttcc	ccactgtggc	ttcctgcgtc	110520
actcacatta	ctgtcattcg	gtgggtcagc	agtacccac	agactcaggc	agaggctcct	110580
gtttctatgt	tcagcttcat	tcctgttaaa	ctaaaccagc	ccatgcttct	gcagagtgtt	110640
cctcaagacc	agtttctcct	gaagagcttt	ccctggactg	ccaccgttaa	cagtctctct	110700
cttcatcaac	tgagtggagga	cacagacatg	gcacagtgtc	ctgcttacag	ctgttggtct	110760
gctgctaagt	ggctgtgtaa	gcttagacac	aacactcctg	agcctttcct	agtttgtcaa	110820
agaaactggg	tgatgagcta	gagcatcctg	atgtgactag	ggggcttccc	tcaaaggctc	110880
tctgagccct	gattattgac	ttgggttaga	agttcaccca	aaggaaactga	attttcaata	110940
gcagcaagca	cattgttact	gaacaaatga	aaaataatta	aatagctgca	tgcaacgaga	111000
aagtgtcatt	tgaacttat	agtgttcagg	ttgcttaacc	ccaggatagc	tcctaactct	111060
ggcttttagaa	tgtggtggta	gaagatactt	cagctctgggt	tttctttgac	cagtttggca	111120
atgggttaggc	agatgggcta	aggctgttct	attttatcta	cctgtcctat	tcttcctttg	111180
gaaatttgtg	tttgttttta	gggtgttttg	ggtttttgtt	tttttttttt	aagattgggt	111240
ctcactctgc	caccagggt	agagtacagt	atcacacaaa	tagctcacag	tagcctgaaa	111300
ctcttgagct	caagtgatcc	tcccacttca	gcctcctgag	tagctgggat	tataggagtg	111360
agccattgca	cccagccctt	tggcatttta	aaaattatat	aaccttaaca	ttttgtataa	111420
ttacaaaagg	taaggacctt	ttgtcattac	catctttgag	ccctccagag	caaagtacat	111480

tttaaggaga	gaatagcttg	cgcattgtgtg	tattctatgat	agtgtcattc	cttggtgttt	111540
atgagaaaaga	gtgagagagt	gtgtttctgg	atgtgtaatt	aaataaataa	catgtgttct	111600
tttatctaac	agctgaagca	atggaaggca	tttgaaggagg	aaaaccaaac	aatcagacgc	111660
atggccaaaat	atttcagcac	tcccaacaaa	agcttccata	cccagtatgg	tgaggaggag	111720
aactgccacc	cgagggggaga	gaaaagctcc	atggagaggc	tcctcacaga	agtaagctct	111780
gcccctgcct	ggaagattcc	ctgtaaagga	tccaatcatg	catcgggtggc	ccccaaggct	111840
cttattgctg	atgttctctt	ttcctctcat	tctcccactt	ctcttaacag	caagcaaac	111900
ctcaccattt	ccaccgtgac	acgcatctac	ttcattcatt	cagtggacag	atgtataatg	111960
agtcactcct	atgtgccagg	cattgtgcc	gtgaacaatg	aacaaaagca	tggttcctac	112020
cctcacagag	ctcacagtct	agtggaaaga	atagagattc	attcatcaag	caaacatgta	112080
attatacatt	gtcataagaa	ttatgaaaga	aaaatcagag	tggtaagaca	gaataatgtg	112140
tggtaagggc	aagaaaacat	aacttagacc	agtcagaaaa	gactcattga	gctgagggct	112200
gaagggttaag	tacaaattag	ccaggcaaaag	agtacaggga	aaagtattcc	aagctgcggg	112260
aacagcattg	taaaggccct	gaaatgtggg	ggacactagc	ttcctgtga	tacattttct	112320
ctcttttttt	tttttttttt	tttttttgag	atgaggcctc	actctgtttc	ccaggctgga	112380
gtgactgggt	accatcttgg	ctcactgaaa	cctccacctc	ctaggttcaa	gcaattctcc	112440
tgcttcagcc	tcccaagtag	ctgggactac	aggcaccac	caccatgctc	agctaacttt	112500
tgtattttta	gtagagacgg	ggtttcacca	tgttaccag	gttagtctca	aactcctgac	112560
ctcaagtgat	ctacctgccc	tggcctccca	gggtgctggg	atcacagggtg	tgagccgccg	112620
cgcttgccct	cattttctct	ttttacatag	agtagtgtct	tcatgtccaa	gatctcctgg	112680
ggctcttact	gtctttccca	gggtactggct	acagatctca	atcagcccat	catcccagaa	112740
agtccaggca	tgtctacaga	tggagaagggg	gactaaacaa	gggcttctga	atgtgattgt	112800
agcaccaagg	gagaatgagg	cagctcccc	gggcttcttt	cttctgtatt	tgagccagag	112860
ttggcccctc	tcccagactt	gggcagtgtg	atgcaggcat	gaagaaaagca	cgtggaaagg	112920
tttgaaggct	tcgttgactc	aggaagaagg	cacaggggccc	aggggagtta	gtcagtattt	112980
tgacactaac	tgaattacat	tccatatttt	ttcagtttag	aacctatctc	aggagggtgtt	113040
atttgaaaaa	ctgggctttt	tttttaggac	tgctgcctag	gtattaatag	tccctgatga	113100
gaggatagtg	tgggtggggac	ctagaaaaca	caacagatga	agggactcag	cacaccaggg	113160
caccacccgt	tcatgcccct	ctatggttct	ggaccatttt	tgtccatcag	agtaacacct	113220
ctccattttct	ttactattaa	gtattttcaa	gccagatttc	tttccacctg	gcaagggagt	113280
aatattgcct	ttgatactct	gtgaagtctt	caaataagca	tttttttttc	ctggctacac	113340
agaaggccag	aaacttggct	agaacagcca	ggatagtttt	cattcacagt	cagctgatgc	113400
tggaacagcc	aagtggactg	actcttttagc	cttatggtaa	tttgcaacgt	gctgtttgta	113460
cttctgcat	gctaccctgt	ttcccacgca	gggactcaat	ctgctatatc	caaaaagatg	113520
ctttgagtct	gcagaggaag	cccttcaatg	ggcacagggtg	cacaagtggg	aagaagctgg	113580
cctccccagt	gcacgctaca	cctggaatct	ctttccaga	acaggccaga	gaacaagcgg	113640
ccagtccctag	ggcccgggtg	cagggtgtcag	gaggttccag	catctgcatc	cccagctcca	113700
gcattgcccg	ttagagaaac	atgagtatct	ctcctggctc	aacatatgta	cagaccttga	113760
ctctggccca	tgggtgtgag	tgcccttcctg	tgcaggcccc	actccccac	tcaggccttc	113820
ctcttacttt	cccgtgatct	gggcagcccc	atcttctcac	acttttccct	cttgccctta	113880
tagccagggg	tccccccaga	agctgtttcg	gacagcatct	atcacatcta	tcactgactt	113940
ccctgtctaa	gagaaggcca	gcagacagaa	ccttccacaa	ggctgaagtg	ctttcctcat	114000
acactctgca	gccaagtaaa	caaacctatt	acttttggtta	cctgaaccat	agaaacaaga	114060
ggctaattcc	atgtctcctt	atggcctgcc	ccctgtgaaa	catgcagggtg	gatgttttgc	114120
ttccctcaat	atgcaaaaaa	taataattaa	taagctcatt	gaagtgcagc	tgccgtggta	114180
ggtcagattt	cagtctcata	atggcagtg	ctcacaccac	acctctaatt	agtatgcagc	114240
catggtaaaaa	acagagtccc	acttcttttt	ctggaagaag	gaaattttct	gttttaggtg	114300
atgtttctaa	atctgtcacc	agccagcttc	ttcccaactc	catgtttata	gtatctttct	114360
atactcaaag	gagtttatag	ataaggcaca	aaaagacagc	actcagattt	caccacggg	114420
agtagttgcc	atctgccgat	gggtccttcc	taactctgtg	aggctataga	ggcctccaga	114480

agcccacatg	agaatgtgca	cgatgggctt	caggaggaga	ggctgggtgga	ggagggagtt	114540
gaggtccccc	catgagatcc	tcagagagat	gcctggcaca	gccagagatc	acaaacacct	114600
gagtgtttcc	ctattgctca	tccattctgc	ccctgacaag	tccttgagtc	atctgcactc	114660
accagcaac	accagacct	caccactctg	cgggcagagg	gaagggaggg	aggacaggca	114720
cacatgtgct	cagctgaaag	tctctttctac	cttactcacc	agtccttcac	tggccctgga	114780
ctctcttctg	atggtaaaag	aagtatactc	aaccagggtg	aaactagcaa	taccaactat	114840
cagaaaaatc	accttcccaa	ttctacaagg	ggagcagtcg	atctgcttgg	agagttgcta	114900
gtcagaatat	tggactatth	tgcttaagct	actgctccct	taaaggatca	tttctaggca	114960
actctcccat	gtaaacctga	gatgaaacca	caggttcact	ctataactag	tagtcctagt	115020
tagctgttat	ggacggtata	actaggcaat	ttgtattggg	tatcctaaca	cagggaacat	115080
cctttttgtt	ctagggcata	ataaatggag	gtccaaatgc	tcatgcccag	ctcctaaga	115140
tgatagtaac	aaagaggtag	catttttggtg	ttcagacaag	cacttttctag	aacatttgct	115200
tacattattg	ccttcccaga	accctcgacc	ccatgtcatc	tgccccaggt	ccagacgttc	115260
cctgtgaata	tctcctccct	gctctgcctt	tgaggatcag	aagtttccag	agatggacac	115320
acagtctgaa	ctagagaatc	agctgctgca	ccacagaaag	atgtctgggc	tgcatcggtt	115380
ccctgcaacc	cactgccaac	actcctactc	ctacttcatg	ccccacaatc	tcgcagttag	115440
gacaggcaca	cctctgcagc	tctcacctgc	cagccctctc	cggcacaact	tgtttaccag	115500
ctaacatcca	gcgagtaggc	aggtcagtag	cagaactgcc	ccaggctcct	tcgtctcctg	115560
ggctccattc	tagggctgct	gaatcaagct	agcaggggct	taagcccaac	agtcctttca	115620
tttctttgtg	cttcttcaat	agttctgatg	cttgactcc	tttaggtgag	tggttcccaa	115680
catttttggc	accagggacc	acttccgtgg	aagacagttt	ttccacagat	agtgggtggg	115740
ggatggtttc	gggatgaaac	tgttccacct	cagatcatca	gacattagct	tctcataagg	115800
agtgtgcagc	ctagaccct	cacatgtgca	gttcacaata	gggtttgcgc	ttctgtgaga	115860
atctaattgt	tcagctgatc	tgatggaagc	tcagggtgta	atgcttcctc	accaccgct	115920
cacctcctgc	tgtgcggcct	ggttcctaac	agtccatgga	ctagtactgg	tccgtggccc	115980
aggagttggg	gaccctgct	ttagggtgaaa	tcaacagctg	atattgccac	atggtagctt	116040
tggccactca	ctcccagagg	tccagcctag	ggaggtgata	acaccaacct	gagattctct	116100
ttggccccct	tcagctccaa	tcttatttga	ttgtcacaga	aatctccacc	cttctccttg	116160
ttcttcccat	tttctaggct	gtttagtaag	aggcaaaata	cttgttctcc	tacttcttca	116220
ttccctggag	atatgcttca	catttatcta	aatttttgca	aaagtgtgat	aaactccaag	116280
tgggaccatt	ccaaacatta	ttcagctcat	acctgcggag	tggcctgacc	ctctcagttc	116340
tgggaaaagg	gagagggcgc	tgcatgtggc	agcaggcact	cagactgggc	ctccttgctc	116400
ttcataagca	atgccgcaca	gtgtggggat	gtaaggagaa	gaccaagata	atgacaataa	116460
atcatggttg	gcctttattg	agcaccgttt	atgtcagtta	ttgtgctagc	actttacatg	116520
catcaactca	tttacttgga	gggaggcacc	tccttagaac	ctgaggtcac	cagccaatac	116580
actggaagaa	ctgagatttc	agccaagggt	ctttgaaagc	cacaccttct	ccaccatggt	116640
gggcactatg	gaaccctcgg	cggcatcttt	tgttgatggg	tttgctttta	ttttacagaa	116700
aaatgctgtg	attgaaagcc	tgcaggaaca	agtaaaaca	gccaaagaga	agattgtgag	116760
gctgatgtca	gctgagtgca	cctatgacct	cccagagggg	gctgccccac	ctgcctcttc	116820
cccgaacaag	gacgtccagg	cggtagcctc	ggtccacacc	ctggcagctg	ctcagggggc	116880
ttcgggtcac	ctctctgact	ttcagaatga	tcctggcatg	gctgcccggg	attcccagtg	116940
cacttcaggg	ccctcctcat	atgcacaaag	ccttgagggg	cctgggaagg	actccagctt	117000
ctcccagggg	aaggaggaga	agatatctga	ctcaaaagac	ttttctgatc	atttagactc	117060
aggttgtagc	cagaagccat	ggactgagca	aagcctgggt	ccagaaagag	gagaccaagt	117120
ccccatgaac	cccagccaga	gtctcctacc	aganagaggc	ggctcagatc	cccagagaca	117180
gaggcatctg	gagaactcag	aggagcccc	agagcggcgg	tcacgggtta	gttcagtaat	117240
caggggagaaa	cttcaggagg	tcttacaaga	tctgggcctg	ggccctgagg	cttccctctc	117300
caccgcccc	tcttgtcatc	agcaaacctg	gaagaacagt	gctgccttca	gccccaaaa	117360
gatgccccct	tccaaggagc	tcggcttttag	cccttacatg	gtgaggagaa	ggcgggcagc	117420
tcagcggggc	cgctcacact	ttcctggctc	tgcaccctca	tctgtggggc	atcgggcaaa	117480

caggactgtt	cctggggcac	acagcaggct	acatgtgcag	aatggggaca	gccccagcct	117540
ggccccacaa	actactgatt	ccagagtacg	aagaccttct	tccaggaagc	cttcactacc	117600
ttcagatcct	caagacagac	caggtagcct	ggagggcagc	aaacaaagcc	agacagagcc	117660
cgagggggct	agaggggagca	aagcagcctt	tcttcgccag	ccttctgggt	ctggccgggc	117720
cccaagtccct	gctgccccat	gcctctccaa	agcctcacct	gacttgccctg	aacagtggca	117780
gctgtggccc	ccagtgccct	caggctgtgc	ctccctgtct	tctcaacaca	gctattttga	117840
tactgagtcc	agcagctcag	atgagttctt	ctgccgctgc	caccggccct	actgtgaaat	117900
ctgcttccag	agctcttctg	actctagtga	cagtggcaca	tcagacactg	accctgagcc	117960
tactgggggg	ctggcttcct	gggaaaagct	gtgggcccgc	tccaagccta	ttgtgaactt	118020
caaagatgac	ttgaaaccca	cgctgggtgtg	aaaagcaaca	gagctgggtct	agacacagag	118080
gtcagtccaa	gagaagctgt	accaaggccc	acaggagaag	agccaatttc	tggctctttg	118140
ggaacagatt	agtgccctgc	atttgaccag	cccataccat	gtttcagcta	ggctcactgt	118200
gttactttga	gtacttcttg	atctataaaa	agagaggcat	tgctgttcct	gttactacct	118260
cgcagcctta	ctataaaaga	ctccagttga	gtgactatga	aagacactga	ctccttgat	118320
aaaagggtgct	gaatgaacac	ataggatttt	ctgtccaggt	cagcctacat	tctgtaaaac	118380
tcttaataata	ttcagatgga	tggctgaatg	gacagacaga	tggagagatg	catgggaaat	118440
ttctgtagaa	cttgaggtgt	ggactgtgac	ccatcaaact	ggccttttgg	tggacagacc	118500
taccaggaag	ataagtctcc	tacatccttg	ggcctccac	tcctggaagg	cagtgggttt	118560
atttctgctg	aatgttgtga	acagcacctc	cctagattcc	agcttctggc	cagacccagc	118620
tcagagccac	ccctacacca	ctatttcttg	atgggtgtctt	tccaccatta	tggcacttta	118680
ccctcctctc	tgagacagat	ctccatgcgc	ccgcaggctt	cccagatctc	tcccctggga	118740
tcggatgtac	ctgaggtcct	gactgtcccc	actgtcccct	tgtcctgtgg	ctcatcctcg	118800
attcacccac	tgatgcagtt	ttgtactgcg	gggaggcaca	caccagcaat	ttctgttggg	118860
gtatgggaga	acctgttgg	caagagtgtc	tttggttcca	ttggggttac	atgactacca	118920
acagacacat	aaacctggaa	gccaaatgga	gaaataaaaa	ggaagacacg	agggacacga	118980
aaacaggaaa	gaaaacagga	tttgaatatt	tcacttgagt	ccagcatagt	acttggcaat	119040
atcataatttt	tgtgattcct	tttgataacc	ctgtgaagta	gacactttca	tttttacaga	119100
caaggattat	gaggcttaga	gaaatgaggt	agtttcccgc	aacatcacac	tgctggacag	119160
agatgtacac	acagctcctg	ggactcaagt	agggtgggtt	tcccagggac	acatggcttc	119220
atgtgttctt	ctgggaatgg	cagggtgacgc	ttggcagacg	agacaacaaa	gcaaggctca	119280
tgtaagaaaag	ctgggatgtg	ctccccata	gtccagaata	atagacctgg	gtcctcacct	119340
caggaaaagg	gcctccactt	cctcactgcc	aaaggccaca	ctggcacctc	ccaagggagc	119400
tggggagctg	gtgaaggatg	agtgcgagga	actcagccac	caccagagcc	acagggagag	119460
cacacctggg	tccactgtgc	ttattgctga	gctggctgtc	atgtccaggc	tgtcccctgc	119520
cccgagtcct	gtgtatacat	ctgtgggtgt	gcacatgttt	gcatgaagga	attcaggcct	119580
tattaaatat	tctcagaggg	gggcattttg	ctctaaatgt	atcatcaatt	tatcatggaa	119640
tcttgggggc	tgctgacacc	cctggactct	ccaggcactg	aacctgagg	ccctcctgga	119700
agcacagctt	cttctatcat	ctacttttaa	acagggaattt	cctaatttat	tctgtgcatg	119760
ggtttgcagt	ttcttgtgct	gtgtgtgtgc	tgtccaagtg	gtaccataat	aaaagagaaa	119820
tgactcccga	gaggagtctt	ttcagaaaact	gtaatctggg	gctggccagg	aggggcccgg	119880
agaaggctga	cccacccaaa	gaagggggaa	cagagaagcc	atcagagctg	ctgccgggct	119940
accctgggtc	ccagtgtacc	ttctaccaaa	gttccatttg	aacagattct	tctgtgttct	120000
ccctaagaag	cctcttatcc	cagaaacact	ccctcaatgg	acataggaaa	ccctggagac	120060
cctggactct	tcctgcccct	gggggtcctg	tggctgggct	ccccctcctg	cagctccctt	120120
cctcccagca	tgccaccact	agcagcccac	cattcattca	tgtggactct	aaatctggca	120180
atccttctag	ccttctcact	ctgtctgctt	ctagaacctt	agtcccacca	tccccgccct	120240
tctacatctc	catccttctg	tttagaattt	tttttcccac	tttgtgccct	tgtgaattat	120300
tcaccttca	aggctcaggt	ggagcataca	ttcttttctt	aacctttccc	agccatcccc	120360
aaagaaagct	gattgattcc	ctagttaa	aaggaaggat	gggctggaag	cagtggctca	120420
cgtctgta	cccagcac					120438

<210> 9
<211> 120450
<212> DNA
<213> Homo sapien

<220>
<223> E533D GPR156 GAT genomic DNA

<220>
<221> variation
<222> (117166) .. (117166)
<223> n is a, g, t, or c

<400> 9
ggggaccgtg ggcgtcctgc acatagcagc gggcttggcg cttctcggcg gtccgacgct 60
gatgaggatga gcacagcgac cttaaggatc cacaaaactt caaacactta attattaagt 120
gaaagtggaa aggggggaggg gctttctctc cttttccaga atctgggcag tttgtttgga 180
accggtaaag aaactctcat aggaacttga ggtgagcagg ggtcacgcat cagggatgcg 240
agtggcaatt tcagtggaaag agacgggaga gtactgtaat ttggtgtgaa gatggggccg 300
tggtgtttct gctgaataag cgaccggctg tgctgaaaat gagagatccc gaaacagttt 360
cccaccgcct gtagactttc cagagtctcc tcacgccgaa tctgctttgc agggcatgtt 420
cacccccagg gtgtagagtg gcgggcacga tgggctcccc catggagatt gcaaagtctt 480
gaaaagggac aattgtattg cactgcgtct gttgaactgc cttgcttctg ggcatgaggg 540
agtcacctgg aagctgcaac atccttgtag cctggcaagc agccctttcc aagtttagctc 600
tgtcagaac tagaggcctc taggtagaac tcaaggatc catgtactcg tgaagaatac 660
aaaccttgag gtttttaaaa tcgaattttg ttaagatttc aggatagaaa tctgggaaga 720
gaagtcatgg catggcataa cttaccctt tgtagtttt ctaggtacat gcatgcttga 780
attagaggta aatgatgcc tagcctatca taaaatgtct ttcctggtgt agttctttaa 840
accagaatat ggaggataac attacatctt tgcatcctag ataaaaggga aagattttca 900
gatggggctt acacagcggg agaaaattgt gatatagttg tattaggcag caaggcctgc 960
aaagaaaaac ttctttttct ccaccagtgg ctgaattctg cacagaatgt ctctcgcag 1020
tctgggtagc agcccggctt gcaaaaacag tgcttctttc attgctgcag gtggggcaaa 1080
tgcgcttgcg gataaatggc tggggaagcg tttgcttaca ggtaaggca atttgagtct 1140
ggagaataaa gtgcttttagc aggctgtgct tgagttaggt gtcccttggtg aggaatagag 1200
gtggctttct ggtccccatt ttgccagcct aattccccct cagggacact actgtctctg 1260
gaatgttccc tctgtttccc cttctcttcc acccccagct tttagcttct cccatttccc 1320
cagtaaaagtc tagaattgag cctggtcaga gtcaaaagttc tgatagccta gggatataga 1380
acttcaagcc tgggtgaaggc agaaatgaga cctaggagag acccaagatg ggtgagatga 1440
aacaactttc agcctagaag gctctcaaaa gagtggaaaa ataatgattg agggaaacag 1500
attctctgga aaggagaata ggtgcttaag tgtttgtttt cagctgaggg ttttaattatt 1560
tccatttttg ttgtttaacc ataagggaat ttccattata gggtaggagg aggatgaggc 1620
cttctctgaa aactgcatcc ttctccttga atttgcattt tattccattc ttatgtaggt 1680
ttcagagatt aattggggga agggggagag aggaaaagaag ccagaggctc tgacatgctg 1740
cagaaacagt gcaacgtgga ctgacttggg ctgcaaaagg ggatttgggg gttgaaagaa 1800
atgttctaca tttagttgaa aaaaaaaaaat cagagccttt attttgcaaa ggtcttgaga 1860
atcagaacat tcatgttttag ttgctgatga attttgctg ataaaggatg caaatcacta 1920
tctcaccttt ttttctccag tactttatta tgaaaaattt tagacataca gagatgtttt 1980
ctacctctca ttttataaac ttattatctt aaaacaaact tgtaataaaa aatcagtgtt 2040

tagaatccag	acatatgtga	tctggtcctg	gacagagcctt	gaatcagaag	gtgtttcaaa	2100
tatagatgtg	tgaaggatat	taacatttta	agaaaaaaat	atggatctta	ttctttctgac	2160
tttcccataa	gaatccttgag	cagaccctt	aactgccttc	tttttcccat	tcttaaaatg	2220
tcagtcagtt	ggatgatatt	actctcctgc	ttaacaccct	ccaatggcctt	ccccctcacac	2280
tgtgaataac	attcaactct	ccaccagggc	ttgtgatttg	gtctgggtgcc	ctcatattct	2340
atggccgtcc	tcttgcttac	catcgtcctt	gctcttccct	ctgcctgaac	actcttcctt	2400
cagacactgc	cactgcttct	tttctcagct	cattccagtt	tcttttcata	ctctccagaa	2460
tgatggccac	ctgatctaaa	acagcctgtg	gtcactccct	gtcttctgac	cctgctttat	2520
ccttcttcat	ggcacttagc	actccctgac	actatatagt	atatgtgttt	ccttgttaat	2580
tgggcatgtt	ccccactcta	atgtaaactc	catcaagaca	aggaattttt	ttgtcttatt	2640
tatggctgtg	ttcctattttg	gtatattatg	agcaattaat	aaataactgt	tggattaatt	2700
aggtaactaa	attacacaaa	taaggcattg	actcccataa	gggtggcaga	acccttggta	2760
aaataactaga	agtcctttga	ggtaattcat	aattcaagtt	aatcaatatt	tgataggtaa	2820
atgatgacc	tggagatcag	tggcctcttt	tatcctcaca	gcacttctca	gctgaatcct	2880
atgctaatag	ctggccagtt	ttgacaaacc	cacatcccaa	acaagacata	aaatatttca	2940
gtcacagaac	ttttcctcac	gtctctttct	agtcacctcc	acccacacaga	agcagcaaac	3000
cttgttctga	tttctaatat	catagattag	tgttgctggg	tcctgaattt	catataactg	3060
cagttacaca	gtatgcactc	ttgtgtttgg	cttctttttg	ccctacacaa	tgtctgtgat	3120
attcatctgt	gccattgtgt	gtatcagtag	ttcattttctt	ttttttccaa	ggtagtattt	3180
attgtatgaa	tattgaccat	gtgtttatct	gttctcttgt	tgatagatac	ttggttgttg	3240
ccagtttgtg	gcaattttga	acaaagctgc	tgtgaacctt	taaagggctt	gcctcatctt	3300
gagtcttctc	tactttatat	gaaaatcttc	cttggtccac	caatgcagag	agaagtatgg	3360
caaggttatg	ggggctgtga	ctgatgtagc	agcttgcag	tacccagcc	agtgtctctt	3420
ctagacagct	ctgctgggag	ctgacctgct	tcccacttta	gagggaaaagc	acttggaaaa	3480
tgagtgtcta	acaaatttagc	gagccctcca	gtgcactctt	aagtgtctta	aatccttgaa	3540
agagacactg	tggaatgcct	gctgccatca	ctgttgtatt	tccctcctcc	tctcagcttc	3600
cccatcccag	cacaagttga	ctctaatacag	cttctgagca	ttatgctact	gaggggttta	3660
aacattcatg	agcaagagtc	ttgttcagag	cctgataaaa	tattcatgtg	tttccatggg	3720
gcattggttt	ccatctagac	ttctcaaggc	atttttctga	gatgcatgtc	gtaattgtga	3780
agaactcaga	cagtgatgga	tgatacggcc	ctgtgttatt	aaaccctacc	acacagagca	3840
ccttgctttc	tagggatgga	gaagaatgag	cacacagaaa	aattgacatt	aatcctgtct	3900
agatcaagag	aaaggctaca	tgtactgata	aaaatggcctt	gagtaaagag	gggcctgtta	3960
atatagtacc	aacaaaggta	tgaatccata	gaggagagtg	aaaagaactt	gttaaaatga	4020
gaggaatgct	gggatgcagt	cattccaagt	ggaagaatgg	gggaatcagc	attgtaaaat	4080
gcacagttcc	tttgacactc	atgtggacga	ggttcatatg	agacaactgt	gctgagtgtc	4140
gtaattatca	caacctgcta	tgagaggatg	agagtagaag	tggaggctag	gcagggtttc	4200
caagtagagc	cagagagcta	ttccaagagg	agtcaacatt	tctcttcaag	gaagaagtgg	4260
ctttgagtca	ggttctgaag	gaggtgtgcc	tctttgactg	gcagctgcgg	tgtggaaggg	4320
actttccaga	gagacagaat	agcatgatag	agtgagggcc	aaagtgccgg	tgtggtgtga	4380
gtaaggagag	aaggtgggtg	gatgggggtc	agggcagggt	tgcagcaaga	cataaagcag	4440
gagagctaaa	ggccagctta	tgaaggccac	aggaggatgg	acttcagtct	gtttgctgga	4500
gggccgtgta	acttttggcc	agagattggg	ttacattttg	aggagttctt	gggaagtata	4560
tccaccctag	gcaaggcctt	gaggtatgtt	tatgtccaag	gcatttccag	aatattctgc	4620
tgtgtccaga	acactatgaa	gactctacgt	ggcttactct	aagagaggta	aaccagagga	4680
ggtcagatat	actcagtata	ctcctgggac	tgaccagaaa	caggcctcac	caggcacctc	4740
tctgccccca	gcacacaaac	actcagaata	ttctgagtca	gattgaaatcc	acagcattcc	4800
ctagacttct	tcatgaccac	tttgctcag	ctgggggagt	tgcaatgatc	taagtatccc	4860
cttatcacct	gaatctgggc	caggatacct	cagacatggg	ttgccaggca	actgagggct	4920
aagtgatgca	gctggccaat	catccccaca	aagcccaggt	ctgctttgac	caggccatcg	4980
ggctgtgacc	agagaggcaa	cttgggggggt	tgagggtcatg	cagactgatg	acttgtggac	5040

acaactgcc	ggcccccttcc	atatgtcttc	ttcctttggg	ttgcagattt	ctattcaaaa	5100
atgctcagg	atgttgattt	tttaacccat	aataaaaata	gtgaagtagg	gaggagtgtt	5160
aaacatgtca	gtcatctata	ccttatgttg	tcattgggaa	gaaataactg	tggaaacaat	5220
tgtcccgga	aagtcagtct	tcagtcttgc	agtgaggagc	tttgcataatg	tggagattag	5280
ctagaaagct	ctggagttct	gatggtgaga	agggatttct	tgggtcaagg	ataggaaagg	5340
gcaagggagg	accttcatga	ttctccccag	ggctttgctg	gttggatttg	ctcttctgct	5400
gccatgggta	gcatgggggt	tcagtgactg	aaaacaccca	ggaaagtatg	ctctgggtct	5460
tcatgttgcc	atctgcctac	actggaatgt	cagaccatca	gtcagcactg	ccagctctcc	5520
atcttgattt	tctaagagtt	attgagaaaa	ccttgaaagg	gaaggcagaa	gtgggtgtct	5580
taactagggg	aatgccaaagg	tcctaaagggt	gtggtctagg	ttgaagggtg	ggtaagggcc	5640
tgaagtcatt	ggtctggcag	tacttcagac	caataaaagtc	tttcttggct	cttatctaaa	5700
atattcctga	ttttctgtgt	gaggtggaat	ctctcaagtg	ctgcattaat	cagtcttttg	5760
gctgaacagg	taaatagggt	gcatgcttaa	ttgagtgcct	tttctttttt	taaagtttca	5820
gcttttat	tacattaaga	ggatacatgt	gtaggattgt	tcatgggtaa	attggaccca	5880
ggcataagca	cagtacccaa	taggtagttt	ttcaacccat	gccccctccc	tcccttcccc	5940
ctgtagtagt	ctgcagtatc	tatctttcct	gcgtttatgt	ccatgtgtgc	tcagtgttta	6000

gctcccactt	ataagtgaga	acatgtggta	ttttgttttc	tgttcctgca	ttaattcact	6060
taggataggc	ctccaactgc	atccacgttg	ctgcaaagga	catgatttca	ttatttttta	6120
tcctatgggtg	tttatgtagc	acattttctt	catccagtac	actgttgatg	agtgcctagg	6180
ttgattccac	atctttgcta	ttgtgaatag	tgctgtgatg	cacatatgca	agcatgtgta	6240
tttatgggtg	aatgatttat	atttctttga	atatataccc	agtaatggga	ttgctgggtc	6300
aaaggtagct	ctgtatttaa	gttttttgag	aaatctccaa	actgctttcc	acagtgggtg	6360
tactaattta	cattcccacc	aacaatgtat	aaatgttccc	ttttcttcac	agccttgcca	6420
gcatctgttg	ttttttgact	ttttaataat	agctattctt	actggtgtga	gatggatatct	6480
tattgtgggt	ttatttgcac	ttctctgatg	attagtgtatg	ctgagcatgt	tttcatgtct	6540
attggccaca	cttgtagcc	ttcttttaag	aagtgtcttt	tcatgtcttc	tgcccacttt	6600
ttaatggagt	tatttgattt	ttgcctgttg	atttaagttt	cttatatat	ctggatatta	6660
gacctttgtc	agatgcatag	tttgtgaata	ttttctccca	tgctgtaggt	tgtttactct	6720
tttgatgggt	tctcttgctg	tgcaagaagat	ctttagttta	attaggtccc	acttgtcaat	6780
ttttgttttt	gttgcagttc	tttctgggga	cttggccata	aattctttgc	caaggccaat	6840
gttgataagg	gtatttccta	ggttttcttc	tatgattttt	atagtttgag	gtcttatgtt	6900
aaatctttta	tccattttta	gttagttttt	gtatatgggtg	aaaggtaagg	gtctagtttc	6960
attctttctgc	atatggctac	cagttatccc	agcaccattt	attgaatagg	gagtcctttc	7020
tccattgctt	gttttttgct	agccatgttg	aagatcagat	ggttgtaagc	gtgcagcctt	7080
atttctgaat	tttctattat	gttccattag	tctatgtgtc	tctttttgta	ccagtaccac	7140
cctgtttttg	ctactctagc	aaattctttg	gaattaagga	aaatagggac	acaatttatg	7200
aagacctctg	ggatgtagcc	aaagcaatgt	taagaggaaa	gtttatagcc	gtaaatgcct	7260
tcatcaagaa	gctggaaaaga	tctcacatta	acaatgtaac	tttgcattta	aaggaaactat	7320
gaaaaaagga	caaaccaacc	ccaactctag	cagaagaaaa	gaaataacta	aaattaaaga	7380
aaaacttaaat	gaaattgaga	tgcaacaatc	catatgaaag	atcagtgaaa	ccaagaatag	7440
gctatttgaa	aaaataaata	agattgatag	actgctagct	aggttaacaa	agcgggagga	7500
gacagtgaga	gagagagaga	ggatccaaat	aagtacaata	gaaataacaa	agatgacatt	7560
acaactgatc	ctatagaaat	acaaaagatc	cttggagaaa	actatgaaca	gctctatgca	7620
cacaaattag	aaaaatctaga	agaaatcaat	caattcctgg	aaacaatctc	ttgagattga	7680
atcggagaga	ttgaagtcct	gaatagacca	acatcaaaact	ctgaaattgc	atcagtaaaa	7740
caaacaaaca	aacaaaaaaa	acccttccaa	ccataaaaaag	ccctggacca	gatagattca	7800
cagccacatt	ctatgagaca	tgcaaagaag	aactagtacc	aatccacta	aaacttacag	7860
aaaatagagg	agcagggact	cctccccaat	tcatcccatg	aagccagcat	cagcctaata	7920
cccaaactctg	gcagagatat	gatgaagaga	tatgattttt	gtgtctatgt	tcagaccaat	7980

atccctgatg	aacatagaca	caaaaatcct	caacaaaata	ctagcaaacc	aaatttagca	8040
gaacatcaaa	aagttaattc	accatgatca	agcaggcatt	attcctggga	tgcatggttg	8100
gttcaacata	cacaaatcat	agtgagtcac	catgtaaaca	gaattaaaag	caaaaaccgt	8160
tatgatcatc	tgtgtcatct	caatagacac	agaaaaagct	tttgataaaa	tctaacatct	8220
cttcatgata	aaaactctca	acaaactagg	catcgaagga	acataacctca	aaataataag	8280
ggccatccct	gataaaccta	cagctaacat	catactgaat	gggcaaaagc	tggaaccatt	8340
ccccttgaga	actggaacaa	ggcaagaatg	cccactctca	ccactgctat	tcaaggtagt	8400
gctagaagtc	ccagccagca	cagtctggca	atagaaagaa	ataaaaaggca	tccaaataag	8460
aaaagaagaa	gatgaactat	ctccctttgc	tgacgatata	attctatact	tagaacaccc	8520
caaagactgt	tccaaaagggt	tactagaatt	gaaaaatgat	tttagcaagg	tttcaggata	8580
caaaatcaat	gtacgaaaat	cagtagcatt	tctaaacacc	aataacgtcc	aggctgagag	8640
tcaaatcaag	aacatgatcc	cattttacgac	agctgcaaag	aaaaggaaat	acctaggaat	8700
atagcaaacc	aaaaagggtga	aagagctctg	caaggagaac	tacaatacac	tgctgaaaaa	8760
aagttagaaa	caacacaaat	aaatgaaaaa	atatcccatg	ctcatggatt	agaaggatca	8820
atatcattaa	aatggtcata	ctgccc aaag	caatgtatac	attcaatgct	attcctatca	8880
aactactaac	atcagtcttt	acagaattag	aaaaaaactat	tctaaaaactc	atatggaacc	8940
caaaaagagc	ctgaatagcc	aaagcaagcc	tgagcaaaaa	aaaaaaaaaca	aagccggagc	9000
atcacactac	ctgagtgcct	tttctgaaca	gatattttcaa	tgattctgtg	attattcatg	9060
agccagtgat	ggctgcctgc	ttttggatgc	tgctaggata	aatgcagaag	atcagagtga	9120
agagggagag	ggaagcataa	cagcagcaga	gaggaaaagg	gaagagagta	gtgacgtgct	9180
gaaatcgcag	agattgtggg	taccagttta	tctacaagtg	agaaacaggg	ataaaagaag	9240
atcaaataac	taccatggg	aattttacat	gcaaataattg	ctgactttcca	aggcagctgt	9300
gaggagaaaag	gaagggagga	gacacaaagg	cagctgtcac	agtcaatccg	agggaatatta	9360
ataaaaaactt	gacacatgaa	aacacatggc	cgtatcacaa	cagcctgggt	cccagcaagg	9420
atgtctattc	aaacccctct	ttcacatttc	cttatattca	ttcacagtat	taggtatttt	9480
gcaagacatt	catttgcact	tgcaaagata	cacaaatgca	gagtacttaa	aagggtaaac	9540
tatcctaaaa	tattagtgggt	gagattataa	atgattattt	gtatttttttc	aacttatcta	9600
tgttttccat	gattgtttta	agaagtgtga	atttccttga	taatcagaaa	aacattaagg	9660
agaaaggggg	ttaagtaggg	aggtagagaa	agaggcatgg	ggtgggggaga	gaggattgta	9720
gaaaagaaaa	atatgttggga	agatgaatga	acaattttta	aactttatgt	ttcacagact	9780
gctagcttgt	gcatattttt	ctttattatt	gaatatatat	gtttatcacc	ctcagaagat	9840
ctggaagtac	caattggcat	gaaactgaat	tgcaaatact	gagctaagta	tcacacctcc	9900
aagaccattg	ccttggccag	tgccattctg	tgtgtgacat	gtggcttcca	gtgatgctca	9960
aagtattttt	cgccaaaggc	taatagagaa	cacttcaaac	ctgggcagca	gcatctctcc	10020
cacagggttt	aatatattata	cttgtagcca	cgtggctggc	tttgtgcttc	tcactcttga	10080
agtatggaac	aggagccaac	aaaggctgtc	aatagttgga	gtagtgggat	tttccaagac	10140
aaaagcgtga	gttattctcg	tccacgtgtt	tgctggctgc	tactggctc	aggcagcccc	10200
ttggcaagct	ctgtggctga	ggctttaaat	aaatagatgt	agtttttgtt	tcacaaccac	10260
tgaccttttc	tggaggcact	gttgattctg	ggcttttaatt	ggcttctgtt	gagtgcacaca	10320
aggtgaaccc	tctcttcaag	agcagaagct	cctatctgct	gttaaccacc	agcatcaatt	10380
caaagcaaat	gccagaggac	cacatacctc	actgaactct	ggggactggg	gttacttgta	10440
gttatgtctc	aataaatact	ttttatatatt	taacttttgc	attttttaagt	tgtaaaagct	10500
atacacactc	atggtaacaa	gtctagtaag	acagcagtat	ataaagaaaa	tatggccagg	10560
cgcagtggct	caccccatag	ttccaatact	ttgggaggcc	gagatgggtg	gatcacttga	10620
ggtcaggagt	tcaagaccag	cctggccaac	atggtgaaac	cccatctcta	ctaaaaatta	10680
ggctgggtgc	ggtggctcac	tcctgtaatc	ccatcacttt	gggaggctga	ggcgggtgga	10740
tcacaaggtc	aggagttaa	gaccagcctg	gccaagatgg	tgaaaccctg	cctctactaa	10800
aaatacaaaa	attagctgag	cgcagtggca	ggcacctgta	atcccagcta	cttgggaggc	10860
tgaggccgga	gaatcacttg	aaccgggggg	gcagagggtt	cagtgagccg	agatcctgcc	10920
actgcactcc	agcctgggcg	acagcatgag	actccgtctc	aaaaaaaaaa	aaaaaaaaaa	10980

attggccagg	taaggtggct	catgcctgta	atcctggcac	tttgggaggc	cgaggtgggt	11040
ggatcacctg	aggtcaggag	ttcgagacca	gcctgaccaa	caaggtgaaa	tcccatctct	11100
acaaaaaata	caaaaaattag	ctggacgtgg	tggcaggcgc	ctgtagtccc	agctactcgg	11160
gaggctgaga	caggagaatt	gcttgaacca	gggaggcaga	ggttgcagtg	agccgagatc	11220
gcaccactgc	actacaacct	gagcgatgga	gcgagactct	gtctcaaaaa	aaaaaattag	11280
tcaagtgtgg	tggcgtgtgc	ctgtaatccc	agttacttga	gagggtgagg	cgggagaata	11340
gctcgaaata	gcttgaaccc	aggaggcaga	ggttgcagtg	agccaagatt	gtgccactgc	11400
actccagctt	gggctaccga	gggagactcc	atctcaaaga	aaaaaaaaaa	gaaagaaaat	11460
ataagtaatc	tccaccttct	ctcactccca	tctttctgac	aaaaccacta	tttaaagcgc	11520
ccaggctggg	cgtgcgggct	gacatctgta	atctgagcac	tttaggaggc	agaggcagga	11580
ggatagcttg	ggtccaggag	ttcaaaacag	cctggacaac	atagtgaaac	tccgtctcta	11640
tgaaaaaaaaa	aaaaaaaaatag	ccaagtgggt	ggtatgtcat	cctagctact	tgagaggatg	11700
aagtgggagg	atcgcttgaa	cccaggagggt	tgaggctgca	gtgagctgtg	atcatgacat	11760
tgcactccag	cttgagtaac	agagtgagac	cctgtctcaa	aaaaaaaaagt	tcatgtgtat	11820
tcacatgtca	cgatcacagc	tactgcagc	ctcaacatct	ccagctcaag	ggatccttcc	11880
acctcagcct	gccaataaac	tgggaccaca	ggcacatgcc	accacacccg	tctaattttt	11940
aaacattttt	gtagaaacga	ggtctcactg	tgttgcccag	gctgatcttg	aattcctcgg	12000
ctcaagtgat	cctcccacct	cagcctccca	aagtgtggg	attataggca	tgagccactg	12060
cactcagccc	cttcactcct	tttctatgtt	caaacaaaca	tatgagtgtg	tagacttatt	12120
ttctattgta	tgtgaaaatg	gaatcatata	tgttattatt	tctttcattt	tatttagtac	12180
atattatgta	cattattcta	gattaacaca	tataattgat	ccaatttatt	atttttaata	12240
gctaccta	attccattat	aggaggttcc	ataatttctt	cccattcatt	acttccccat	12300
tgatagatat	tcatgttttt	cttccaactt	tttttgcaca	acaacttatg	ctacaataaa	12360
cattctacat	ttattcctat	actttgggtt	ttatttccat	aggagagatt	cccaaaattg	12420
tcatttttgg	gtcaaaaggga	atacacaatt	ttaattctca	ctgtagggtc	cctttacagc	12480
agttgtttct	ctcctccttt	tgtctttctc	tcccctctcc	caccacattt	tgccagcagg	12540
gcctgtgtgt	ttaagaagga	aagcctgcag	tgagaactcc	tctgtgcca	gtgtggatta	12600
tatcagctta	gtggggaact	ggagtctgca	gtgtctcagt	tacatttgtg	ctctcttgct	12660
tttggttggc	cagactgttc	acaattcccc	ttgtctgatt	attccatgct	gtggaattat	12720
acatggctct	catccgtggc	aggatcatct	gaggggtggc	tttttgggaa	gggtgtcttt	12780
tcagaaaagaa	taggctcagt	tactgtactt	tctcacaag	ctatatctgt	tatgtttttt	12840
tgttatgccc	tttctttaat	agttggattg	aaaaagggtt	ttcaattccc	atcccgggtc	12900
tctgtcttca	ttttgaggac	ttgggattta	gggagtttta	tgagtatata	atcaatcaac	12960
tgttaactgat	tatttgacat	gaggataatt	agttaagaag	gtaggggtct	tggagcttaa	13020
ggatcagtg	caagcaacag	acgtgaacat	ttttaaacaa	atggttttta	caaaccgggt	13080
attaggagca	agcttcccag	gagtactaag	ctttcatttt	ttaattttgc	ccttgctggg	13140
atgtaaaact	tcagtctagt	ctaccagaat	agagaggagc	tggattctcc	accacaccag	13200
ggctggagag	gagaaaaatgt	cagagaagcg	ttaagggaag	ctggtaagta	caaataagtg	13260
aaataaatat	aaacagtga	ctgacaaaat	ggcaaaaagt	gaatgaaatt	tgaaaatcct	13320
cagctgaaga	ttattgtgta	accagtgggtc	ctgtgagcta	gtggacactt	tataaaaatc	13380
tgtgatctct	aaaacatatt	agatacccca	gtgtgaatct	gtgttcagaa	tacaaccatt	13440
agctaagcaa	gacagagaaa	tgataagtc	tgttggcaga	tattttgcta	ttgacttcta	13500
taacatatgc	tgcaattttt	actcagcagc	tttggaatgg	atttctatgt	cctagggtga	13560
aaactaaact	aaaagaaaaa	cagaatagaa	gttactgcac	ttaatttcta	aggagaaaat	13620
tttaacttta	gtttgtgcat	gtatatgcct	gcaaaaataag	cattaccctt	tatgttaata	13680
caaacttcac	atgaatgttt	aattttcaaa	tatgcactga	ccagtaataa	tgatggcaaa	13740
attagactct	atagtaggtt	tatgttttat	aacttaggga	ttctataatg	tatcttagtt	13800
gatgtcgtag	ttaatagtaa	ggatagtaat	atcttataca	gtttgcactg	tcgtctgagt	13860
aaagattatc	tttaaacatt	tgttcctgtc	agaaaaattt	taaggctaaa	cctattataa	13920

gatattaagc	atctgatttt	ggctataatg	gactatctgt	gagtagat	ttactcctat	13980
acaggacatc	tagaaaaagc	gagttttaaa	aatctatttg	aaggcataga	agacctaata	14040
aggcagctag	gacttgagag	ctaagacctc	agaaaagaaga	gaaactcatt	gagtgttcca	14100
aattctaggc	tactttttcc	ctgtagacac	ttaccatttt	taagtagcac	atgaggagaa	14160
cccaaacaat	aagcagctgc	taaaaatcaga	gaagccaggc	agattattcc	acagtctgat	14220
agggctgggg	aggaaaaaaa	aaaattgaat	tcaaggaaac	caaattgattc	aggacatgag	14280
aaacatgat	catggacaga	aaagaggccc	agaaaaatca	actcaatagt	ctaagcaatt	14340
ttccttccaa	gtcattcact	gatttataag	tagcgcagac	caagaggttg	caaaaatcca	14400
aacacaaaaga	aggtgctaaa	aagctgagaa	gctaatacaga	gctacttgca	atcttattac	14460
actaggaaga	taaaaattat	tatagaatgt	aaagcccacc	aatgtgggat	ggcctgaaaa	14520
acaccctaag	ctttcagttg	ggactgctga	cggattatgc	ctgaccagtt	aaaggaaacc	14580
agaaatagac	ccggtcaaat	aaaatattga	agtccatttc	ccgatcaact	tagtcactga	14640
ttagattaaa	gtaatctgtt	cttatttttaa	caccctagca	taagtcttct	ccatattctt	14700
tggagaagaa	aaaatgatcc	agaacctgtg	tatttttcat	atgtggtttc	tggatttcag	14760
caaagcaaaa	caaaaacaaa	acaggcatac	caagatatag	tttccagaat	atggtagaca	14820
gagaacccag	acttcctgag	ttgagaagac	agagctcccc	atgtctgggg	agaccagggc	14880
aactagagtt	tgtaggacag	agtattggag	aggagagagc	tgcagagaga	acccagaggt	14940
tcctcacagg	gtacacctca	agtataaaagc	tgagtactga	gcagcacatg	catgtaagga	15000
aactacctgg	gataaaagaaa	gaactaccca	aaaggattag	aagaaatagt	gctcattgtt	15060
cacacagggc	tgggaattgt	gcctattccc	accagctaga	cttgaaaagc	tcataattca	15120
tggagggttg	ggtagtatac	tttgaaagac	catgccttag	tagtgggaag	tagccctaga	15180
ttgagcactg	cactgatcct	gtctaacaaa	tcttttaaaa	agacccaaaa	ggaacaaatt	15240
gttccagtta	atttgactgc	atcccagaac	aaagctcaaa	actattttaga	ggtatttgga	15300
atagcagtat	tagtaatat	gcagagggaa	gaatattgcc	agggataaag	aaaatcattt	15360
cataatgata	aaggagttga	ttcatcagaa	agacataaca	gtactaaaca	tttatgcatc	15420
taataacaga	acttcaaaaat	acataaatga	gaaattgata	gtgttccaag	gaggaataga	15480
caaattccata	actgtagtcc	aaagtttcat	taaccttctc	tcagtaattg	atgaaataac	15540
agaaaataat	taggtatata	aaagaagata	aaaatacaat	caactagctt	gacctcattg	15600
atctttataa	gatactctac	ccagctacag	caaatacata	ttcctctcaa	gtgtacatgg	15660
aacatttatc	cagttagacc	atattctgaa	ccataaaaaca	agtctcaata	aattttaaag	15720
gatttttagtt	atataagggtg	tgttcttgat	cacaatggaa	ttaattaaga	aatcagtaac	15780
aaaatttctca	aatattttggt	aactaaataa	catccttcag	aataactcat	tagtcaaagg	15840
agaaatcaaaa	aggaaaatta	gggccgagtg	gagtgactca	catttgtatt	cctaacactt	15900
tgggaagttg	aggcaggagg	attgcttgag	gccaggagtt	gaagatcagc	ctgggcaaca	15960
gagtgagagc	ctgtctttaa	aaaaaataga	aaaaaaaaaat	tagctgggca	tgggtggtgtg	16020
cactcataat	cccagctact	tagctggagg	attgcttttag	cctaagagtt	tgaggttgca	16080
gtgagctatg	atcatgccac	tgcattccag	cctgggcagc	agagtgagac	cctgtctcta	16140
aaaaaaattat	ttttaataaaa	aaataaaggg	aaatgagaaa	atatttgggg	ctgaaagtaa	16200
aagctcatat	atcaaaaagca	gtacttaggt	ggaattttat	agtattataa	gcttataagg	16260
tggggcacag	tggctcacgc	tggtaatgcc	aacactgtag	gaagtcgaga	caggcggatt	16320
gcttgaaatc	aggagttcgg	gaccagcttt	gacaacatgg	caaaaccctg	tttctataaaa	16380
aaatacagaa	aattagctgg	gtatggtggc	acgtgcctgt	agtcacagct	acttgatggg	16440
ggctgaagca	ggaggatcac	ttgagcccag	gatttcgagg	ctgcagttag	ccgagatcac	16500
accactgcac	tccactccag	cctgggtaac	aaagttagac	cctgtccccc	cacacccccg	16560
caaaaaaaaag	cttataagaa	gaaagggtctc	agattagtg	cctcagcttt	catcttaaga	16620
aaccaaaaaca	gaaaaagagc	aaatgaaatt	caaaaataagc	agaagaaaga	aaataagaaa	16680
tatcaaaagca	gaaatcaata	aactagattt	tgaaaagtag	agaaaaatcaa	tgaaagcaaaa	16740
tgctgtttca	ttgagaatat	taataaaaatt	gattaacctc	ttgacagaaa	acaggaggag	16800
gaaaaagaga	ggagttacaa	tttaccaata	tcggaatgag	agaggtgaca	tcactacaaa	16860
ttctacagat	actaatggat	aataaggaaa	cattatagct	tttctccaat	aattccatca	16920

acttattaat	agatgaaatg	aacaaattcc	ttgaaagaca	caagctacca	aagttcactg	16980
aagaggtagt	agagaatgta	aaagcccaga	tctattatag	acagtctcga	aagttagaaa	17040
tagaagagaa	cttccctagc	ctgataaagg	gaatctatgc	aaaacgtgca	cctaacatca	17100
tatttagtg	taaaagcaaat	agtaatatata	tcgatttttt	ttctttttttg	agacagagtc	17160
ttgctctttc	acccaggctg	gagtgcaggg	gcgcgatctt	ggcccactgc	aacctccacc	17220
tcccgggtcc	aggcgatctt	cctgcctcag	cctcctcagt	agctgggatt	acaggcacat	17280
gccaccacac	cctgctaatt	tttgtatttt	tagtagagac	agggtttcac	catgttggtc	17340
aggctggctc	tgaactcctg	acctcgtgat	ccacccacct	tggcctccca	aagtgcagg	17400
attacaggcg	taagccactg	cgcccagctt	tttttttttt	tttttttttt	tttgagatgg	17460
agtcttgctc	tgtcgcccaa	gctagagtgc	tgtggcgtga	tcttggtca	ctgcaacctc	17520
caactcctgg	ttcaagtaat	tctcctgcct	cagcctcctg	agtagctggg	attacagggtg	17580
cccaccacca	tgcccagcta	atTTTTTTTat	tttttagtaga	gaatgggttt	cacatgttg	17640
gaccaggctg	gtctcgaact	cctggcctca	ggtgatccgc	ccaccttggg	atcaccaagt	17700
gttgggatta	caggcgtgag	ccactgtgcc	tggcctgcct	agacttttaa	cttatttgtg	17760
taattacttc	aagtatatag	tactccaatt	taaacacaaa	gattgtgaaa	ctagatgaag	17820
aataaacata	ttcaaaatga	ttattaaatg	ttttaattgg	tgacagagtt	tttcatagcc	17880
ttttatcatc	tcagtgcac	atgtttttatt	tgtaggtagc	cacagagaaa	cagctacatt	17940
tataagaaca	ccatgaagaa	taattaaaaat	gttctttttt	tttttttgag	acagagtctt	18000
gctttgtcac	ccaggctaga	gtgcagtggc	aagatcttgg	ctcactgcaa	cctctacctc	18060
ctgggttcaa	gtgattctcc	tgccctcagcc	tccctagtag	ctgagattgc	agggtgtggac	18120
cactacacct	ggctaatttt	ttgtattttt	agtagagatg	gggtttcacc	atgttggcca	18180
ggcttgtctt	gaactcctga	cctcaggtcg	atccacctgc	cttggcctcc	caaagtgttg	18240
ggattacagg	tgtgagtga	cacacctggc	ctaaaacatt	cttttatccc	tgacttcagc	18300
tgagtttagt	ttgaaatgag	gctcttttatt	tgggggtgatt	gggctttgca	ggagggttgg	18360
tgggtggcct	ataattcccc	ccaatattgt	atgtaagata	ttacatgttt	gtatacagtt	18420
tttcaggaga	gagtccgtag	ctttcatcag	tctctcatga	ccaaaaacta	tttaagaatc	18480
atggcttgaa	gaatgaaaga	atcgagtgcc	atgttaagtg	tctaatttct	caataatact	18540
tccctgaaac	taatttctag	agaataattc	aaatgacttg	atctaaatat	gtgtgcatga	18600
gtcatcaaa	cagcctggag	taacatatta	aaagttatcc	caagggtctg	tctggttcaa	18660
actctgatga	aagccctata	tttcttatcc	tggactgggt	ttctcatagt	atgattccca	18720
gatcagcagc	agcatcagca	tcacctagga	acttggtaga	aatacaaaatt	ctcaggccgg	18780
ccccaggcca	tacctactga	gttacaaaatt	ggagatggga	ccagggaatcg	gtgttttcta	18840
aggagctttc	cagggtgattc	tgggtgtgcac	taaaagtttga	taaccactgg	gttaggctat	18900
aattagaaaa	tcctgttctc	cgccccgctc	ccaagccagg	tttagaacag	tttgtttaagc	18960
aagtatctgc	agaaagacca	gtctaattgtt	gacagcttct	attttccatc	tttatggaaa	19020
aatcgtaaag	cctcaaaagc	ccaaatcacc	ctcacacaag	tgtcttgggt	tgacagcaa	19080
caccaaaca	cagtttagag	taatccaatg	tccagctgaa	attggaatta	tagagacaca	19140
gcatgtgagt	tcactcacaa	aaattttttac	caggaggctt	tttagggatg	agccccgtaa	19200
ttccaagggc	cttggctctc	agcctccttt	gaggcatata	acacagtctc	ttgaacagac	19260
tgaccctcag	taatgagggt	tcattaccct	cttcagaca	tgtggcaccc	tcacaaacat	19320
cctttaacag	agtgtcctagt	atcaccatgc	ttcgtttgca	aagtaactta	atgaattcgc	19380
tcagcctata	ttcttagtac	ccagtggtag	ggatctcagc	tgtagcagca	taaaacttga	19440
actgtccaaa	accagtctct	gaaaccttca	agtgtttatt	ctgtctactc	ctgctgttgc	19500
ttgaagcttg	atgtgtgtgt	acaccttact	gttttgctga	tgagaaatag	cacagggtac	19560
ttctcagtgg	ttctcattaa	aggagggcag	ccaagtggaa	ttcattcttg	gctcttaata	19620
gttttcaaat	gagaatttta	ttgcatacta	atgagcacta	attgacattt	gtgactgttt	19680
tttatggaaa	taatgcatgt	acaatttgca	taatagtacc	taagtgcctt	taggtaacag	19740
tacaactctg	ggaagttggg	gaagggtttt	gtatgatgct	ttttaaaaaa	gttcccaaac	19800
cccagccctc	agaatagtat	agaatattaa	caggctctctg	ggatccaaat	ataaggcagt	19860
agtagtgact	cagttcctgt	agttgtacca	gcttgctacct	gagagtcaga	aaatgcatca	19920

gggcaggctct	ctaaaagcag	gaagcgctcc	cacagtagcc	agggaggatg	ttccagccct	19980
ctctaccttc	atgtgtcaac	cctcctgctt	ctcctaagtc	atgagtatct	agacagtgct	20040
gaggattgtt	ccaaggactc	ctacactgta	aaatgttttc	taaacatcac	ttggttgata	20100
tcaacaaaca	tggattgata	acctactatg	tgccaggcac	tgtgctagat	gccagagtaa	20160
gccccatgtt	gcttgctgcc	tgctgcatcc	ctatctctta	gcacaatgag	gcaacagtta	20220
tccatcaatg	tttattgaat	taatgaacat	gctgtctgcc	ctcagggatc	tgaggattca	20280
ttattcttac	aaaatctgac	gttgaatata	gtataaaatt	tgttgctctt	catgttagaa	20340
atattaatta	ttcagaactt	ggaattctgt	taggaaattt	agagaaacaa	gataatcttg	20400
gttttatgtg	ccccaaagtt	tctgtatatc	aaatgaccct	tttaaatttt	gtgaaaatga	20460
aagaagccaa	tgtttactga	agatctagta	cgtatcagtt	acttttgcac	acatcctata	20520
catcctatga	tttaagcatc	aacaaaacct	atgagggtga	gatagtatta	tctgtgttta	20580
attgagcaag	cagctaagaa	ctggagaagt	gactaaccta	aggcatcaca	gatagaaaat	20640
tgtggaactg	ggacttaaat	tcagcctagg	ctgtgtctgt	tgactgccc	cttattacat	20700
taaatgatcc	taggatattg	taagcaaagc	caaaactctga	agtattgtac	tagtgatacg	20760
gctccgatga	ctggagggaac	actgggggtt	ttgggtctcat	gccgggttgg	ataaaatgac	20820
atggacacac	gtggagtgg	tttagggagg	gaaaagttta	ataggcagga	aagcagggaag	20880
gaagaagaaa	acagctcccc	ggtacgggga	gagaagtagg	gggattcaaa	caaagagaaa	20940
acctcatgtg	cggcagaaaa	gtggctgctt	atatgaggat	gcaggaggag	gtgggtgtctg	21000
atttgcatag	ggctcagggg	attggtttga	ccagtcattg	cattcctgca	gcctgtgaaa	21060
aaactgaccc	tcccacccta	gctttttaat	atgcaaatgc	agggcgccat	tatgttttac	21120
acacatgggg	acatgtgggg	gtggccatgt	tgccaggcac	atgtaggggc	aagggaaga	21180
agatggcagg	aatcaccatg	tttggatgga	cccagtttct	aatggctggc	atttgcatat	21240
caaagcttgc	tggcccagct	cagagccggg	gctttcctgc	tagacaagaa	acgtttctgg	21300
agctgcttta	aaagaaataa	aaactcccca	aggacccctt	ttcctctcta	tctgcctaaa	21360
ataatttatt	aataactcct	gtaacactag	gatggaggga	tgaattgggtc	caggggtctt	21420
ggtgtgtgcc	ctgcattcag	ttgacctact	gtttacaata	cacctactgt	ttacaacact	21480
attttctaga	tcttgtgggg	aacccaaacc	aagggccagt	ctggctcacc	tataattcca	21540
ccaagcagcc	agaaaagtat	aaacgctcta	cagcaaaggg	ataaatcaag	gtttagtaga	21600
agaaaagctt	tataagtaat	gtggaactaa	aagggtgaat	atagttttca	ataatgttga	21660
gcataaatgt	tctccagatt	gtggaaagat	cactaactgt	tggctgggaa	gggtaggaga	21720
ggagagagtt	tgaaacacag	agaataggaa	ggagtgggtga	tgtagtccaa	taactcacc	21780
agaacccatg	gacgtgaaag	ctttgtttgc	tctcagatcc	ataactagac	taaaaggagt	21840
aatcagatct	gctcccctgc	accccaccct	gctcaccttc	cacacctgcc	aagggccacc	21900
cagcaattcc	attctgcttg	tcaaatcccc	taaggaggat	atgtctggaa	cagccaccac	21960
tcctccccct	gctcttcctt	ctggatatgt	aggattccct	gcacaaccgt	gctccagggt	22020
ccttgggatg	attattcaga	aaccagagaa	gtatgtagaa	aacttaatcg	gaggcactta	22080
aaggctttta	aagggaattt	taaaaacat	ctttccctct	tttataaggc	agtctgagta	22140
tttaagaagc	aaattaattg	agtccacttt	acagtgttgg	ggcaaaagca	tgcaagttcc	22200
aacattttaca	cactaacaga	aaattctttt	cccttccact	gtgctccttt	tctttcttgg	22260
gcctgctcca	caaacttcta	accacagtcc	taaaattggt	ccccatgacc	ctgtgtgctt	22320
cgattgccta	cactggtttc	agacccacgc	tgtggattca	aatcaaacct	gcctttctcc	22380
ctgttactat	gtccaccacg	cacctcctt	gcacacacag	tctttctctt	ctttcctcca	22440
tgtgcagacc	tttaccacag	ctgtcccaaa	tgtgtgaaag	gccaaaccata	actcttcctt	22500
taaaggtcct	ttagagcagt	atggaaagag	tgctgaactt	ggaagacct	gattctcttt	22560
ctatactcat	tatgtgatcc	tgagcccctc	acttaacctt	gcagggcact	tacaaaataa	22620
agagatggag	ttcatgatata	cttaagggtca	ttttccatgt	ccaacattct	ctgactcttc	22680
atctttccct	gactcaacat	tctgttccta	tatagtcaac	accttcccac	cttaatctca	22740
tgctcatgcc	ctcttagaaa	gtcttttaca	ctgttgaggg	tgacgtggct	catgcctgta	22800
atcccagtac	tttgggaggc	cagagtgggc	agattgcttg	agctcaggag	tttgggacca	22860
gcctgcataa	catggtgaaa	ccccgtcttt	attaaaaata	caaaaaaaaaa	aaaaaaaaaag	22920

ccagatgtgg	tggtgcttgc	ctgtgggtccc	agctactcag	gaggctgaaa	tgggaggatc	22980
acttgaaccc	aggaggcaga	ggttgcagtg	agctgagatc	atgtcattgc	attccagcct	23040
gggtgacaga	gagacaccct	gtctcaattt	aaaaagaaaa	aaaagaaaga	aagcggcggg	23100
ccgcggtggc	ttacacctgc	aatcccagca	ctttgggagg	ccgaggcagg	tggatcatct	23160
gaggtcaggg	gttcgagacc	agcctggcca	gcattaagaa	actctgtctc	tattaaaaat	23220
acaaaaatta	gctgggcatg	gtgggtgggca	cctataattc	cagctactca	ggaggctgag	23280
gaaggagaat	cgcttgaacc	cgggaggtgg	aggttgcagt	gagttgagat	cgtactattg	23340
cactccagcc	tgggcaagaa	gagtgaact	ccatctcaaa	aaaaaaaaaa	aaaaagaaaa	23400
tatttgcac	tgtgaactgt	cttctgtgtt	gaggatgttt	gtggcagaag	gagatagacg	23460
taggctctgt	ctacgtctgc	ctgggtgcctc	cacaaggagc	agtgtatgct	cagagaatag	23520
aagtgaattt	tactattagt	ataggtgacc	catattgaaa	atgtttgtaa	atctgctacc	23580
agaacaacac	agtcattcaa	agacaattaa	aaatgcattt	tatacttcct	gctattttata	23640
attattcatg	gatctgctgc	ctacagtcag	gtagtaaaag	gagagccaga	aggaatcata	23700
gtgaacatct	catacaatgc	tatctttgtt	gttggtttga	acataagcat	ttttgcgtga	23760
atttgcgtgt	aggtctcttt	tatttctctt	attgcataac	ctgaggctga	aatacttcaa	23820
gtaatgtatc	tatttgctca	tattgggtag	aaacatccct	attattccaa	ttttcccttc	23880
tcctgcttaa	aacatatagt	gaaatgaaaag	atgcagagat	aaggaaatca	gggaaaagaa	23940
aaatagtcac	aggatactaa	aatgagccac	agatacctga	aactgcatag	ttgctataaa	24000
tgagccataa	atttgattct	gagctttcca	gtggcccca	aaagataaac	ataatagtat	24060
ttattccatg	acataaaaaat	gtatttgtat	ttctctgtgt	tcaagaggaa	gagaaatttg	24120
tactatgggt	cctcatgaag	gagccactaa	gtcagtgttg	tagaccacac	attcaacgat	24180
atcgtattaa	tacccatgat	gatgaattca	ttcattcaat	aagcatttat	tgagtactta	24240
ctttgtgctg	tatatgtttc	agtgtattgc	agtaattatt	ctttttgatg	ctcaaattgt	24300
cctattgtgg	gtcagtagga	gcccgttgat	tcattgtcctt	ttgacattat	tctgtagttt	24360
ttgatacttt	ttttcctagc	atgatgagat	gttccaggct	tatgtcgtat	atttcttggt	24420
ccgtaactca	aattgaccat	tttgttaatg	aaacttgatt	tttttcagtg	aaaagtgggt	24480
ttatagaaca	caatctgggc	acttgaagtg	tttattgtta	ctgggttgct	attacttaca	24540
agactcagtt	aacaaattag	gaaaaagatt	gatttagaaa	gaaaataaat	cctgagttca	24600
tattgttatt	tccaatttaa	agattaaagg	gttttcgtat	aacttatttt	atatgtgtat	24660
gtcttttctc	ttactttgaa	atcttggttt	ccaataacat	gaacataatt	acttccttta	24720
tcctaatagg	tacgtatatg	tgtatatgtc	tatgtatgta	tgtatgtagg	tatgtatgtg	24780
tgtatgtttc	tatctgtaaa	acaggaaaaa	taccaccta	atggagctta	agatttcttt	24840
atgagtattt	tttgtcctta	gggtatttaa	tcaaattact	gttacttaaa	ataatgtttc	24900
tctatgtgg	tatgccatca	acttcatata	caattatttt	atttcaattt	gtcttcgatt	24960
tttaaggatg	gttttcttct	tctgatttaa	ttttgttttt	aaattatgta	aaatattttc	25020
ttggtttcag	agtcaaactc	atgaacattg	agaggctctat	tttgcctctc	tgtcccctcc	25080
cccttattat	tttactcccc	ttatagataa	tgcttttatt	tttccattac	tttttttttt	25140
tttttttgg	gacaggagtc	tcgttctgtc	acccaggcag	gagtacggta	gtgtgatctc	25200
ggctcactgt	aacctccacc	tcccagggtc	aagcaattat	cctgcctcag	cctcctaagt	25260
agctgggact	acagacactg	accacatgct	ctggctaatt	tttgtatttt	tagtagagac	25320
agggtttcac	tgtgttgatc	aggctggtct	caaactcctg	acctcaagtg	atccgcctgc	25380
cttggcctcc	caaagtgccg	ggattacagg	tgtgagccac	cgtgcccagc	ctctattact	25440
ttttgaaaa	aagccaatga	cctatatgta	tcctatctcc	tttcttacac	aaaaggtagc	25500
aggccagagt	tcaagattac	agtgagctgt	catcatgcc	ctgcacttta	gcctgggcaa	25560
cagagtgaga	ccttatctct	aaagaaaaac	aaacaataaa	aaattttaaa	aataatttct	25620
atgaattaaa	aataatttta	aacacaactg	catatgaaga	caacaaaagg	aaactctcag	25680
gaaacactga	aatatgaaaa	tcaagtgaga	ttagagcaaa	taaggatgtg	tatgggaagg	25740
ttctgtagaa	gacagattga	ggcccaaaca	gagagagctc	taaatacatc	atgaagggtta	25800
ccagaaatgt	gagaaattcc	tgaagaagag	ggaagaagca	aatcctctcc	aaatttagtt	25860
cacttagttg	ataatcatta	gttgattccc	agtagagtca	gtcttttatc	atcagtgcc	25920

ccactgttgt	tctctgcatt	aacaaaggag	atattaatct	ggaaagctgc	aatcattttc	25980
actgtagaat	cagcctttta	tttttttaggg	ttttttaatt	tttttttttt	aggacacctt	26040
catttaagat	cacttcatat	ctcctctggc	ttttgcaa	gctctttggc	tgatctactg	26100
tttccaccac	tgtcctcaac	attttttagt	atattattta	atztatgtat	gtattggtgt	26160
ccactgatta	ttgtttgcct	tcccccattg	gaacacagat	tctataaaaag	tagggatcct	26220
tattttgttt	accactgtat	tccaggtgcc	tagaacagtt	cctttcacat	tgttggtgct	26280
caaaaagaaa	aaagttaa	gaatgaatat	cagcagcaag	agcattttga	ggagaaaagca	26340
aaggtgtaac	tgtgggggtc	tccattaatg	tatgtatatc	atcctcttat	acatttgtcc	26400
catcacccgc	tagccctgga	actctcatta	tttttttttc	tggtaatgca	ggctccaact	26460
caactggcaa	tgagaatatg	aactgaggca	actgtatttg	aaaaatgaaa	gaatataggt	26520
gatatgggtt	taaaagaattc	agtatttgtg	tattttttcca	ataagtacat	gcttatgagc	26580
atagcccttac	aaaataacaa	aaataatttt	ttacattttac	tcacacactt	accattttcca	26640
gcactcttca	ttcctttgta	tagatccaaa	tttgatatctg	gcatcatttt	acttctgcct	26700
aaagaactaa	ctctaacatt	tttttatagt	gcatgtctct	cagattttct	ttgtctgaaa	26760
attactttat	tttaactcca	tttctgaaat	acattttcag	tggttattgt	attctgggct	26820
gacttttttt	ttttttccca	gtgcttgaga	gatgccattc	cattctcttg	tggttttcat	26880
tatttttgat	gaaaaatcag	ttgtaagtct	tactcttggt	cctctgtaca	taatctgact	26940
gctgcttcta	aaattttatc	tttattgctg	gttttttagca	atttctgtgc	cttgttttgt	27000
ttttgttatt	tagtgtttgt	tctgcttggg	attggttgag	cttggatctg	taggtttata	27060
cttttcatca	aatacgaaaa	attttgggtca	ttattttttca	aataatttttt	ctactcctcc	27120
ctcctcactt	tttccccctc	aaacagcagt	tacatgtatg	tcagacaact	tgctattatt	27180
ctataagtca	ttgagacaat	gttcattctt	ttttattttt	aatttttgtg	ggtaaataagg	27240
tgaatatatt	taggggttca	tgagatgttt	tgatataggc	atgcaatgta	aaataagcac	27300
atcatggaga	atgggggtatc	tattccctta	agcattttatt	ctttgaatta	aaaacaatcc	27360
acttacactc	ttatcacttc	tcagcctttt	gggataagat	catgtgtaaa	aacaatgtac	27420
ttacactttt	catttttaaaa	tgtacaatta	agttattatt	gactatagtc	accctgttgt	27480
actatcaaat	agtaagtctt	actcattcta	actaattttt	tataaaacttt	aactataccc	27540
acttctcctc	ccacctccca	ctcccttttc	aacctatggg	aacctatcctt	ctatactctg	27600
ttcatgagtt	cacttgtttt	gattttttaga	tcccacaaat	aaataagaag	atgtgatgtt	27660
tgtctttctg	tgcttggctt	atttcactta	acgtaatgat	ctccagtgcc	atccatgttg	27720
ttgctaatta	ctggacctaa	ttcttataca	tggtatgaata	gtacatcatt	gtgtagatgt	27780
accacatttt	ctttattcat	tcattctgtt	atggagactt	agattgcttc	caaatcttag	27840
ctatagtaag	caatgctgca	acaaacagga	gtgcagacat	ctctttaata	tactgctttt	27900
ctttcttttg	ggtatatatc	cagcgatggg	attgccagat	catacagtag	ctcaattttt	27960
agttttttga	ggaacctcca	aactgttctc	cataatgggt	gcactaatgt	acattcccac	28020
caacagtgtg	caagggtccc	tttttctcca	catcctcacc	agcatttgtt	attgcctgtc	28080
ttttggatat	aagccatttt	aactgggggtg	agaagatatt	ttagttttca	tctgcatttc	28140
tctgatgata	aatgacattg	agcatctttt	catatacctg	tttgccattt	gtctgtcttt	28200
gttggaaaaa	tttctgttag	ctcttttgcc	cattttttta	atcggattat	taaaattttt	28260
cctatagagt	tgtttgagct	ccttatatag	tctggtgatt	aatcctttgt	cagatgggta	28320
gttgggcaaat	attttctgtc	attctgtgag	ttgtctcttg	actttgttga	ttgtatcctt	28380
tgatgtacag	aggctttgta	acttgatgtg	atcctatttt	tccatttttg	ctttggctgc	28440
ctgtgcttgt	ggcatattgc	tcaagaaatg	tttgcccaga	ccaatgtcta	gagactttct	28500
gcaatgtttt	cctgtagtat	tttcatagtt	tgaggcttta	gatttaagtc	tttaatccat	28560
tttcatttga	tttttgata	tggtgagaga	tggtgtcca	gtttcattct	tatgcatgtg	28620
gatataccagt	tttcccagta	ccattttattg	aagagaccct	ctctttccca	gtgtatgttc	28680
ttggcacctt	tgccaaaaat	gagttcactg	tagtttctgg	gttctctctt	ctgttctatt	28740
ggctctgagtc	tgtttttatg	ccagtactat	tctgttttag	ttacaatcat	tctgtagcat	28800
aatttgaagt	caggtaatgt	gattcctcca	gttttgttct	tttcactcag	gataccctta	28860
actattctgg	gtcttttgtg	gttccacata	aatttttagga	ttgtattttc	tatttctgtg	28920

aagaatgtca	ctggtatntt	gatagggatt	gcattgaatc	tgtagattgc	tttgggtagt	28980
atggacattt	taacaacatt	gattcttcta	atccatgtat	atgggatatt	tttccatttt	29040
tggtgtcttc	ttcaatnttt	ataatctgtg	ttttatagtt	ttcattatac	agatctttca	29100
cttcttttgg	caggtttaatt	cctagatatt	taatntttatg	tgtggctatt	ataaatagga	29160
ttacattntt	atttctnttt	cacatagttc	actgttggca	tatagaaatg	ctactgattt	29220
tttataaaact	tttatgttat	gttcaggtgt	ataggtacag	gtttgttata	taggtaaact	29280
catgtcatgg	ggtttgtcgt	acagattatt	tcatacacca	ggtactaagc	tagtaccat	29340
tagttatntt	ttctgatcct	ctccctcttc	ccactcttca	ccctcagtag	gccccagtgt	29400
ctgttgttcc	cctctgtgtg	tccatgtgtt	ctaatacatt	agatcccact	tgtaatgtgag	29460
aacatgcagt	atttggnttt	ctgttcctgt	gttactnttc	taaggataat	ggcctccatc	29520
tccatccatg	ttcctgcaaa	ggatataatc	tcattctntt	tatggctgca	tagtattcca	29580
tgatgtatat	gtaccacatt	ttctnttttt	ttcccttcaa	ctnttatntt	aagtccaaga	29640
gtacatgtat	gtacaagatg	tgaagtttg	ttacataggt	aaatgtgtgc	catggtagtt	29700
tactgcacag	atcatcacat	cgcctaggta	ttaaggccag	catccattag	ctattcttcc	29760
tgatgtcttc	cctccctcac	cacacccct	ccgacaagcc	ccagtgtatg	ttgttgcccc	29820
ctcacatgtg	tccatatgtt	ctcatcattc	agctcccact	tataagtgtg	aacatgtagt	29880
gtttgggntt	ctgttcctgc	attagtttgc	tgaggataat	ggcttccagc	tccattcatg	29940
tccctgcaag	gaacatgatc	tcattctntt	ttatggctgc	atagtattcc	atggtgtata	30000
tgtaacacat	tttctttatc	tagtatatca	ttgatgtgca	tttaggttga	ttccatgtct	30060
ttgctattgt	taatagtgtc	gcagtgaaca	tatgtgtgca	tgtatctttg	taacagaatg	30120
atttatattc	ctttggatat	agaccagta	atgggattgc	tgggtcaaat	ggtatttctg	30180
cttctaggtc	tttgaggaat	tgccacacta	tcttccacaa	tgattgaact	aattcatact	30240
cacaccaata	attcctnttt	ctccacaaca	ttggcagctt	ctgttgtntt	ttttgacttt	30300
ttaataatag	ccattctgac	tggcatgaga	tggatatctca	ttgtggnttt	gatttgcatt	30360
tctctaataga	tcagtgtatg	tgagctnttt	ttttcatatg	ttgtttggcc	agatgtatat	30420
cttctntttga	gaagtgtctg	ttcatgtcct	ttgcccactt	tttaatgggtg	ttgtttgttt	30480
ttcttgtaaa	ttggcttaag	ttccttgtag	actctggtta	ttaaaccttt	gtcagataga	30540
tagattgcag	aaatntttct	cccattcttt	aggttgtctg	tttgctctaa	taatagtntt	30600
ttttgctgtg	cacaagctct	taagtntaat	tagattccat	ttgtcatttt	tgctttcatt	30660
gcaatcactt	tcggcatttt	tgtcatgaaa	tcttttctg	tgcttatgtc	ctgaatggtt	30720
ttgccttagac	tttcttctag	agttnttttt	tatagttttg	ggttttacat	ttaagtcttt	30780
aatccatctc	cagttaatnt	ttgtatgtgg	tgtaaaggaag	gggtccagta	ttaatnttct	30840
gcatttggct	agccagtntc	cctagcgcca	tttgttaaat	agggaatcct	ttccctattg	30900
cttgtntttg	tcaagcttgt	caacagtcag	atgggtgtag	gtatgtggtc	tgatttctga	30960
gctattnttg	ttcattggtt	tatgtgtctg	cttctctaca	actacatgc	tatttgggtt	31020
actgtagcct	tgtactatag	tttgaagttg	ggtagtgtga	tgcccaagc	tttgttcttt	31080
ttgcttaata	ttgccttggc	tattagggct	ctnttttgg	tccatatgaa	ttttaaaatg	31140
attnttcttct	aattctgtga	agaatgtcaa	tggtaatnta	atgggaatag	cattgaatct	31200
ataaaattact	ttgggcaata	tggccattnt	catgatattg	attcttccta	tccatgagga	31260
tgaaatgttt	ttccgtttgt	ttgtgtcttc	tctgattntc	ttgagcagtg	gtttgtagtt	31320
ctccttgaag	aggtccttca	cttcccttat	tagctgtatt	cctaggtatt	ttattctntt	31380
tgtagcaatt	acgaatggga	gttcattcac	aatntggctc	tctgcttgcc	tgttgttgg	31440
gtataggaat	gctagcaatt	tttgcacatt	gatgtntata	tccttagtct	ttgctgaagt	31500
tgttatcag	cttaagaagc	ttttgggctg	agacaatggg	gtnttctaga	tataggatcg	31560
tgtcatctgc	aaacaaagat	aatttgactt	cttctcttcc	tatttgaata	ccatttatnt	31620
ctntctcttg	cctgattgcc	ctggccagaa	cttctaatac	tatgttggat	agaaatagtg	31680
agatagggca	tccttgtctt	gtgccagttt	tcaagggaat	gcttccaact	tttgcccat	31740
cagtatgata	ctggctgtgg	gactgtcata	gatggctctt	attattnttga	agtatgttcc	31800
ttcaataacct	agtttatntga	gagctnttaa	catgaaggga	tgttgaatnt	tatcgaaggc	31860

cttttctggg	cctattgaga	taatcatgtg	gtttttgtct	tttattctgt	ttatgtgatg	31920
aatcacattt	attgatttgc	atatgttgaa	ccaaacttga	atctcaggga	tgaagccaac	31980
ttgatcgtag	tggatacgct	ttttgatgtg	ctgctggatt	tggtttgcca	gtattttatt	32040
gaggattttt	gcctcaatgt	tcatcaagga	tattggcctg	aaattttctt	ttttgttgt	32100
tgtatctctg	ccaggtttgg	tatgaggatg	atactggcct	caagaatgag	ttagggagaa	32160
gtccttcctt	ttcaattttt	tggaaaagtt	tcagtagaaa	tggtagcagc	ttttctttgt	32220
accgctggta	gaattcagct	gtgaatctgt	ctgatcttgg	gctttttttg	gttgtaggc	32280
tatttgttac	tgcttcaatt	tcagaacgtg	tcattgggtg	attcagggat	tcaatttctt	32340
tctgcttcag	tcttgagaag	gtgtatgtgt	ccagggaattt	atccatttct	tctagattct	32400
ctagtttatg	tgcatacagg	tgtgtgtagt	attctctgat	ggttgtttgt	atttctgtgg	32460
gatcagtgat	gatatcccac	ttaacatttc	tgattgtgtc	tgtttgattc	ttctctcttt	32520
tgttctttat	tagtctagtt	agttgcctat	ctttttatta	attttaaata	aaacagctcc	32580
tggattcatt	gatttttttg	aaaggttttt	tgtgtctata	ttttcatttc	aactctgatc	32640
tgatcttggg	tatgtcttgt	cttcttctag	ctttgaaatt	tgtttgcttt	tggttctgtc	32700
attcttttag	ttgtgatatt	aggttgttaa	cttgagatct	ttctagcttt	ttgatgtggg	32760
catttagtgc	tataaaattt	cctcttaaca	ctgcttcagc	tgcaccccag	agattctggg	32820
atgttgtctc	tttgttctca	ttagtttcaa	ggaatttctt	gatttctgcc	ttaattttgt	32880
tatttaccac	ggagtcattc	aggagcagg	tgttcaattt	ccatgtagtt	gtgtgggttt	32940
gagtgaattt	cttaatcttg	agttctaatt	tgattgtgct	gtggtcagaa	agactgttat	33000
gatttcaata	cttttgcctt	tgctgaaaaa	gtgccatgtg	gtgatgagaa	gaatgtatat	33060
tctgttgttt	ttgggtggag	agttctgtag	atatctatca	ggctctcttg	atccagagct	33120
tagttcagg	cctgaatatc	tttgtttaatt	ttctgtctca	gtgatatgtc	taataattttc	33180
agtggagtg	caaagtattt	cactattatt	gtgtgggagt	ctaagtctct	ttgtaggtct	33240
ctaagaactt	gctttatgaa	tctgggtgct	cctgtattgg	gtgcatatat	atttaggata	33300
gtagtctctg	cttggtgaat	tgaacgcttt	accattatgg	aatgcccttc	tttgtctttt	33360
ttttatcttt	gttgggtgtaa	agtgtgtttt	gtcagaaaact	aggactgcaa	cccttgcttt	33420
tttctgtttt	ccatttgctt	cataaaattt	tctccattcc	cttatttttg	gcctatgtgt	33480
gtctttgcac	ttgagggtggg	tgtcttgaag	acagcatact	gatggccctt	ggctgtttat	33540
ccagcttgcc	attctgtgac	ttttaattgg	gggcatttag	cccatttata	tttaagggtta	33600
gtattgttat	gtatgaattt	gatcctgtca	tcatgatgct	agctgggttat	tttgctgact	33660
tgtttttgtg	gttgcttcat	agtgtcactg	gtctgtgtac	tttagtatgt	ttttgtagta	33720
gctggtaaca	gtttttcctt	tccataattt	gtgcttcctt	caggagtgtc	tgcagggcag	33780
cctgggtgtg	acaaaattccc	tcagcatttg	cttgtctgaa	aaggatctta	tttctccttc	33840
acttatgaag	cttagtttgg	cccgatgtga	aattctggat	tggaaatatt	tttctttaag	33900
aatgttgaat	attgggttcc	agtctcttct	ggcttgtaga	gtttctgctg	aggagtccac	33960
tgttttctgt	tgggcttccc	tttgtaggtg	acctggactt	tctctctggc	tacccttagc	34020
attttttttt	tcattttcac	cttgagaaat	ctgatgatta	tgtatcttgg	agttgatctt	34080
cttgtaggtg	atcttactgg	ggttctcggc	atttcctgaa	tttgaacttt	ggcccatctt	34140
gctagcttgg	agaagttttc	ctgtatgcta	tcctgatgca	tgttttccaa	ctcagttcca	34200
ttctgcccc	ctctttcagg	tacccagctc	aagtcatagg	tttgggtctct	ttacataatc	34260
tcatatttct	ctgagggtttt	gttcattcct	tctcttttta	tttgtttctg	tattcttgtc	34320
tgctgttcta	tatgcagaaa	gatagtgttc	aagctctgaa	attctttcca	ctgcttgggtc	34380
catcctatgg	atacttgtga	ttgcattgtg	aagttcttgt	gtattacaag	aactttattt	34440
ttttatcttt	atccagtcta	ccattgatgg	gcatttaggt	tgattctatg	tctttgttat	34500
tgtgaataat	gctgtaataa	acatactaga	atgattcatg	tttatttggg	taaatgtgtg	34560
ttgatttcgt	atcctgcagt	tttattgaat	ttatcagttc	taatcatttt	tcttgtggag	34620
tcttttaggt	tttccaaaata	taagatcata	ttgtctgcaa	acaatgatca	tttgagttat	34680
tccttttcaa	tttggatgct	ttttatatct	ttctcttata	taattgctct	agctaggact	34740
tccagtagta	tgttgaataa	cagtgatggc	agtgggcatc	cttggttgtgt	tccagatttt	34800
agaggaaagg	ctttgtcctt	cccctatgcc	ccaggtaggt	ccaggagtca	aggactagag	34860

tccaaaacct	tagaagtcta	cctgggtattc	tattatactg	tggctgagct	ggccctcaga	34920
ccacaagaca	cagtctttcc	cactctttctc	tccccctttcc	aaaggcagag	gaactgcctt	34980
tagtagagac	agggttttcgc	catgttggcc	actgccaaacc	cagcccatga	ggaggactgc	35040
cagactactg	ctgatgttcc	cttaaggccc	aagtttctctt	aaatcagctt	gtcctgaatg	35100
ttacctagcc	tgagactcac	ccttcaggac	agtgggctcc	cctctggccc	aggggaaggtc	35160
cagaaatgct	gccccagggt	caagtcctgt	aatcaggggac	tccaagagcc	ctcttggtat	35220
tctaaccccc	tgtatctgtg	gtggtacct	aggtgcaaga	caaagtcctt	tttacatttc	35280
cttctgcttt	tatcaagcag	aagttttgtc	ctgcagccac	cacagctggt	aatgtactga	35340
gttctacctg	aagccaggaa	gtctcagagg	ctcacccaag	gccctcaaca	tagtccctgg	35400
ttattgctgc	tggttattca	gaaccaaggg	ctcttcactt	agcagggtgat	aaatgccggc	35460
agggctgggt	cctttccttc	aatgcagtg	gttccctctg	gcccagggtg	tgtctagtaa	35520
tgtcacctgg	tttctagggc	ctagaatgga	ggcctcatga	ctctgaccag	tgccctatcc	35580
tgctgtggct	gcgctgggtat	cctagacgca	agacaatggt	ctccccactt	ctccctctcc	35640
tattctcaag	tgggaagggaag	gggtctcttt	tggagctgta	agctgtgtag	cctggggtaa	35700
ggggaggggt	gatgccaaata	ctctcttggc	tgccccagct	ggtgtctcag	taggttgcat	35760
gcactcccag	tctgctgtct	ctgggcctag	ttcagcacca	ggactcacct	aagagttgca	35820
gtccttatgg	cctagactgc	ttttgaagtt	tacttgagga	caaagagcac	tgtggccttc	35880
actggtgagg	tttacaggca	ctcaagttta	gaccactggg	attggtgatt	cttctctggc	35940
tagggctgtt	ttaaatcctc	cctccgtttg	cacatttcag	ctgagtttga	tctagtttgc	36000
ctttctgctc	tgattttctgg	ttcttatgaa	ggtgtttttt	tctgtgtaga	cagctgttaa	36060
cttgggtgtcc	ttgcagaggg	aatgatcagt	ggagccttct	atttcgccat	cttgatccgc	36120
cgccatatat	cattcttatc	aatcattttc	tgtttatgca	cctgaaaata	cactggtata	36180
caaaaattaag	atccttactt	tcacagaatt	tgtgttctaa	tgggggaagt	caataatcgg	36240
tggacaccaa	tacatatata	aattaaataa	cacattaaaa	ggtgttgagg	acatgctggg	36300
catggtggct	catacttgta	atcccagcac	tttggggggc	cgaggcgggt	gcatcacttg	36360
agatcaggag	tttgagacaa	gcctggccaa	catggtgaaa	ccctgtctct	actaaaaata	36420
caaaaattag	ctgggtatgg	tggcagggtgc	ctgtaattcc	agctactagg	gaggctgagg	36480
caggggaatc	gcttgaagct	gggaggcaga	ggttgacagt	agctgagatc	ctgccactac	36540
actccagcct	ggacaacaga	gtgagactct	gtctcaaaaa	aaaaaaataa	ataaaaaataa	36600
aagctgttga	ggacaatgga	ggaaaaggca	gatcagagaa	agaacattta	caaaaaggcag	36660
agggagtgtg	aagcaatttt	aaatgaggtc	agatttttgg	ataatttcta	ttgctatgtt	36720

tttaagttaa	ccaatgtttc	tttttgcaat	gtctgatctg	ttacattttt	atttcagata	36780
ttatatgtgt	atctctagaa	gttctattta	gatctccttt	ttatctttca	attctctcct	36840
cattttgttc	atattttgct	ttatatccta	gagcatattt	ataatagttg	ttttaagggt	36900
cttgtgtgat	agttatatca	tttctgttat	ttctgtgtct	gatattattt	atctattttt	36960
taaaacttta	tgggtatagg	tcataatttt	tcatttcctt	gaatgcctgg	tgattatttt	37020
gaattttaca	ttgttgagca	ctggatgttg	ttatattcct	tttaagagca	ttgagttgtg	37080
ttctggaatg	cagttgagtt	tttacagatc	actttgatcc	atttgagact	ttcctttagg	37140
gtatatccag	agtaacatct	agtttagagt	taatttgttt	ttactactaa	gatgtggcct	37200
ttctgaggat	tttatccaat	gtcctgtgta	ttttgggggtc	tctccacact	ggctgatgga	37260
aacacagggt	agtctcagcc	ctgtgtgagc	tccaggaatt	actcagctat	tgccctatcag	37320
tgtttttttc	ttcaactcca	agtagtttct	tccagctcat	atccaaatca	tacttaggag	37380
aagactgggg	gggatcctct	gcagatttcc	aaagtgtctt	ccccactctc	tgtatctccc	37440
tcttcttcat	tactctgtcc	cacaaattct	aaccacctca	acatccttaa	attccaatcc	37500
attccccctt	acctcaggta	gaatttctagg	ttctgattgg	ttttccctcc	acgtgctgtg	37560
acctggaaaat	gacctccagg	cagtatctct	taggaagccc	agttgtgtgg	catctgttgt	37620
acaatgcctg	aaaatgattc	tttcatgtgt	tttgtctgggt	tttcaacttg	ttcacagaaa	37680
aaagcaattt	gcacagcagt	taattcttca	cagacagaag	cagaagttct	accaactgca	37740
aaacaaccaa	aacaacttgt	taaaagacag	tatttgtatg	actggtcata	aattacgtat	37800

agaagaatag	agatttttgtg	agaaagatat	gggcctgtac	agaggggtga	acttgcaa	37860
gaccatcttg	cttgggggata	gtgtctgttt	tcctgatcct	aatcactggg	aaggattctg	37920
taatctctgt	caaaataaatt	gcaaacacta	ccacacatgg	ccttggggtct	actactgtct	37980
atgacataaaa	cagttttctcc	ctagagactt	agttgtgagg	gtacagggggg	aaggtagctt	38040
ttggagggggc	ctggaagacc	cttccctttg	tgcccttcgat	tctgtatata	tcttgtggtc	38100
agaagtctta	ccattaccct	ctctgataac	tccccaccca	ctttcccaat	cactaaacac	38160
tttttgaaac	cattcaactc	tttcctttca	atgattgagc	ccttcattgt	ttcatcagct	38220
cctcttgtgt	gaatctctct	gaatgtgtgc	caagtttgca	gtttaatgcc	tgtcccatgt	38280
aggagcccaa	tatcacggta	tataaagttt	ctacactgga	tatccatgga	ctgaagaggg	38340
gcctagcatt	cagggttcca	agccagttag	tttagcttat	ccaagggtag	ctctagaatg	38400
tgctcagaaa	tttattccaa	gtcagagttg	catcccccag	gacttttaggc	tcagatggac	38460
aaccccatca	tatttacaga	atccctcaaa	gataatttaa	gtttaagatt	gtcagcccac	38520
ctgggggtgca	cagtgttgac	caggggtttct	taaccttagc	actgttgaca	tttggggcca	38580
gataattctt	tgttgttcag	accatcctgt	gaattatagt	atgttttagca	gcatccttgg	38640
catctaccta	ctagatgtga	atagcatcct	tctcttaatt	ttgacaacca	cagatgtctc	38700
cagaattgcc	aaatgtcccc	taaaggtgca	aaattgcata	gttgagaact	actggtaaag	38760
aggcactatg	gcatgccaa	ctctagggag	cccacagaag	tgcacctctg	ggaactaaag	38820
ctgaagaaaac	ccaagaggcc	ccttggtatc	ttcttggaag	aagttagtcc	agagtgtctg	38880
caccatgtgg	agtgtatact	gggatgacat	tgaccttgga	atgtaaaactc	ctgggattct	38940
tgccctctgca	gatttggagc	aggggttttct	tcttctctgc	ttttcagttt	acttatttga	39000
aaatgaggaa	tggtgtttac	atcacaaaac	actgtagtga	ggacaaaatg	aggttttatg	39060
tatatataca	cccatacata	tacatacata	cttcttccaa	atgatataat	aatatataaa	39120
cattgaatga	ataatggttc	aaatataagt	gtacttattt	gccactatga	ttaaaagggc	39180
aatataggaa	aaatacat	tcttctaatt	catcatgttg	taataatcct	ccctgtgggt	39240
gcagtatgg	tctgtgctag	aaggcacaa	aggaaatctc	taactttaaa	aaaaaagaaa	39300
agaaaaaata	tctttctagc	aattaaaaatc	tcaactaaat	tagaatgcaa	atagggtttt	39360
atatttgc	cttaattttg	cattcaataa	tctgactaga	atatgcaata	atttaa	39420
cttgatggga	gatagtggct	tttagttctc	ttgggatttc	attgtaataa	acctggtaaa	39480
taattcagga	acatatgaga	ggccaatgaa	tggtcagcac	ctgggtgctat	attatttgtg	39540
cctaagcaca	cagactccaa	agatggcact	ctccacctgt	cactgttggt	ctggcttaaa	39600
catgggccct	gtgttcagtg	gctattgaga	taatagtaat	ggatattttt	gccttgtcca	39660
attttctctc	acaatcaaa	aaaactgtgc	taagctgttt	aaaaaataca	aagcagaagt	39720
ggcagcctct	tttagattac	cactggtaaa	atttcaaatc	tattttctct	attaagggat	39780
tgattgtttt	aaagaattag	ggatatggct	atcttttcta	ctgggtgctaa	tttgagcctt	39840
tttgcccttc	tgtctttgtt	ccacaaggct	gagcttctct	ttagatcaca	ttattcatat	39900
tgcaaggatc	ttctgagaga	aataacacca	tcctctggcc	agccactcac	tctgcaggag	39960
ttcctagagc	tccccagttt	ctttccctat	tgccctgagta	gtctatctca	cgcctgttag	40020
tctcacagtt	taaaatacaaa	cacacaaaga	ctcttgagg	cagcttgggt	acctttcttt	40080
gaccccgagc	gactggacat	agagaacaag	agctagagag	aacaagagct	agagtgaccg	40140
acagatcatg	tgtggagaca	gcatggggca	cctgagccca	gcaccatcca	ggatcagaca	40200
gaacttaagc	catgagctgc	ctagaaagat	cttggggaggg	cactgggttt	cccagtatgg	40260
aaaaaagaaa	aatgtggctc	acaagtctaa	gctaaggctc	ttacagtact	gggccataaa	40320
caggatctga	aaagaaactg	cagaaaatgt	tagatatgct	ttatctttgt	tttaaaaata	40380
ttatttacta	taatggctta	aaatatgttg	atttaa	atgatatttg	atacctttgt	40440
aatatatata	ataaagtgt	taataaaaata	taactatata	attaaaatag	atgatatttt	40500
aaaacctctc	taataaaacca	tttacgtgtg	tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	40560
tgtgtgtgtg	tatacatgcc	tttgtttaac	aggtttaatt	gctttccttt	cttcaggaac	40620
cagagtgagg	gtactcgaac	agtgactgcc	atctgggtgg	taaccagaat	catcaccttg	40680
tgtagcctga	tggttactaa	gatgtccact	cttgactcac	atggcatgca	ctcgcagcag	40740
gggaccagtt	gaaggatgtc	tgactttgga	gggtcaccag	ttgaaggatg	tctgatgaag	40800

gagcctagcg	aaataaccct	ttgcttctac	ctgaatgggt	tgttcactct	ggattctgag	40860
cctgcagcca	gctccaaaat	ggggcctctg	aagaaaagat	ttgagttgct	cttgtgtctt	40920
agtcaaaagat	ctacatccct	accagtgggt	aaccaagact	gtgaataagc	acacaccaac	40980
aggggcatgt	ggtgacatgg	agcctgaaat	aaactgctct	gaattgtgtg	acagttttcc	41040
tggccaggag	ctggatcgga	gaccccttca	tgatctctgc	aagacaacaa	ttgtaagtga	41100
gcagccacag	gatgccaggg	ctgctcagat	gtatgtgggtg	gtgggtgggtg	tggggaggag	41160
gaggtggagg	gaaaggggga	tgaggaaggg	gaggagtggg	aggagaaact	gctcatgcag	41220
gatacatatt	tcccagcact	tggtgacgat	ggggcagttt	gtttttgacc	tatagaagat	41280
ccttcattcc	taacagctcc	tccttattct	gtcctcagac	atcttccac	cacagcagta	41340
agaccatctc	ttcattatct	cctgtcctct	tgggtattgt	ttggactttt	ctcagctgtg	41400
gacttctgct	gatacttttc	tttcttgctt	ttacaattca	ctgcaggaag	aacaggtaag	41460
cagcccagtt	tctcatcaca	catagctcaa	tcatgaaatc	ccaaatgtta	gtatcttttg	41520
gcagcacaag	ccactatctg	gtctcccact	acaggattaa	accacatgag	acattccctc	41580
tgaaaatagtc	tacctgttga	gaaggggaaa	gatctagggtc	ggatttgtgc	taactactgc	41640
aagggtatcc	aaagaagaga	atgaagagtc	tctctctata	atggaggtag	aatccttctg	41700
agaagatgag	gtatctgtat	ttaaaatgaa	gaccatgtag	aggattccaa	aacaacacaa	41760
aaacttgagg	acagcacagc	agaaccagtc	tgggtgagtt	agggtttctg	caaaaagcagt	41820
gaagcactgc	tacctggcta	tttgctagat	aattctggct	gactagaaaag	tcatcagctt	41880
atcagggttaa	gtatggctcc	caggattcgc	aaaagaagca	aaatgggtgac	ttttttctga	41940
agggacttat	agcaccttgc	cttggatgca	atttcatcct	tcctcagggc	ccatcccatc	42000
tctcccaccc	ccacactgta	ccctcatcct	accacagccg	tcccagggtg	cctcatgaga	42060
agccctgctc	cagccctctc	cttagccac	agctgacttc	tagatggagc	ccacaatcag	42120
aaattaacaa	cttcctcaaa	ccagccaaac	tcgtccagcc	ccactccagc	cttaccctgt	42180
gtggtgacca	agcatgtcgt	gctccattgc	ctgtggattt	gacactcaga	tgagaattgg	42240
tcagttgcat	tttgggatgc	tgttttgcc	tgttaggcat	ggaggacgtg	gaattgttaa	42300
gcagcagtga	ttggttgttg	ggtcagcctc	agcatgggtg	tgatacgtgg	cactccaact	42360
agagtatacc	ccagagactg	cctcagccac	ttttcattct	gttcctcaag	cacactacgc	42420
tgactcccat	ctcaaggctt	ttgtacttac	tgttcctgta	ctgttccctc	tgcttgggaag	42480
tcctcctcag	atattcccat	gactagtacc	ttctcatctt	ataggctttg	gctccagtgt	42540
cacctcttca	gagacacctt	ccctgatcat	cctatctaaa	gtagtatccc	taccatgat	42600
cacccctca	tctcattcca	tatcctatca	gcctgtttta	tgttccttat	agcaagcata	42660
gtctgctatt	accatatattg	ttgattttacc	tgttgattgt	ctgtatcccc	taccagaatg	42720
gaattctgtg	aacacaggga	ctttgcctgt	cctcttgtgc	ccaccactgt	gtctccagca	42780
tttagaacag	actctgggat	ataatagggtg	ctcagtaa	atgcatccag	tgatcctggg	42840
aggaaagaga	tttaaatccc	aacgggtggct	gctgccaca	aagtgactgg	gaaaatcatg	42900
catttcaagg	ttagagaact	atggagtaca	gtcttttcag	ctgtaacatg	tttctataat	42960
gcaaagtaat	actcaattgg	tattaccag	ttggtaataa	gaaaattatg	tcattgattc	43020
atatgttact	tttccccag	caaatcaata	atttaaacat	tcaggggcaa	gctttctcac	43080
agctagtaaa	ggaagcttta	agcttggcag	ttccttccct	tgggtgcaagt	agtgtctggc	43140
ttaatggctt	aagaacttgt	gtcttcctta	caagatgagg	ctgtaggagt	agatgaagaa	43200
gtggagaaga	catttgcctt	atgtttaaaa	acttcagttg	attgttaaag	aaagcacaga	43260
tccagagcag	atttttaatt	ttttgacaat	gttatctact	ggagatgaat	gcccctgagg	43320
acctgtgtct	tgagatttaa	gactgtagaa	gttgactttg	atcctgggta	caaatgctag	43380
tggacattta	ctgggtggta	gtgttttagt	tgggaataatt	aatattttat	taatactctt	43440
gttacaaaagt	taactgtttt	gagtgttatg	acccatcct	attttcccca	cagtctatta	43500
tttttacata	taattttgca	gaatacaagg	tttatcaagt	atttatata	cctgttaaaa	43560
caggaaacacc	tgtaaacagc	attatactag	aaacccttat	atttctttca	ctctattaaa	43620
tattttgctg	cctgttttgt	ttgcagtggg	agcatgactt	ggcataaaga	ataaaaatatt	43680
aagaggatatt	gtgaataaaa	acacatttta	caattaagtg	gcttacaagg	tcagacaagg	43740
aaagataaaa	taaccagtt	tcaaaagtgt	tttattgaac	aatacatttg	ttaaaagatg	43800

cagcatcaca	atcagatgct	ttattttcgtt	acaatttctgt	ggtcttctaaa	tttgggactg	43860
tgtgtgtgag	tattcatgtg	tgtgtatatg	caagaaagga	gaggaagaaa	aatatitttaa	43920
cacaataaaaa	ataatacaaaa	aatgtttaaa	tccagttgca	gatattgaat	ttttataaaaa	43980
atttcaaaaaa	ccagtaaaga	taaagaaaac	ttgaacacta	tcaaccaact	tgacccaatt	44040
gacattttata	ttaccttttca	cccaacaaca	gcagaataca	tattctttttg	aagtacacat	44100
ggaacatttta	ccaagatata	tcatattctg	ggccatagaa	aaagtctcat	taaattttaa	44160
agggttcaag	ccgggtgcag	tggctcatgc	ctgtgatccc	agcacttttg	gaagctgagg	44220
cggatagatc	accagaggtc	agcagtttga	gaccagcctg	gccaacatgg	tgaaaaccca	44280
tctctactaa	aaatacaaaa	attagatggg	tgtgggtggca	tgcacctgta	gtcccagcta	44340
cttggggaggc	tgaggcagga	gaacccggga	ggcagagggt	gcagtgagct	gagatcatgc	44400

cactgcactc	cagcctgggt	aacagagcaa	gactctgtct	caaaaaaaaaa	aaaaattaaa	44460
ggattcaagt	catataaact	atgttttctg	acaatgaaat	taaaatggaa	atcaataaca	44520
gaaagatctc	tggaataatcc	tgaaatatatt	agaaactaca	tagaacactt	taatccatgg	44580
tcaaaaaaga	aatcaaaaagg	aaaactagaa	aataattgacc	agaattaaaa	tgaaaataca	44640
acctagattt	gttggatgcc	actaaagcag	tattaggggg	aaatctagag	aactaaaccc	44700
catattagaa	aagaagaaat	gtctcaaadc	catgacctca	tcttccacct	tacaaacaga	44760
aaaaaagagc	aaatgagacc	caaagtaagt	agaagaaaagg	aaataataaaa	gatcagggtta	44820
gaaaaataaaa	taggaaacag	aaaacaatag	gaaaaaaaag	tcagtaaagc	caaaaagctat	44880
gaagataagt	aaaactgatc	aacctctagc	caaagtgatc	agaaaaaaaaa	gaaataagat	44940
acaattaccc	aaataaggaa	tgggagagggt	gacatcacta	tagattctgt	agatatgacg	45000
gataaggtaa	tgttgtaaac	aactatggta	gatagcctct	aagatgttct	tcgatgattc	45060
ccacctcctt	gtagtccac	tcctatgaag	tcctctctcc	ttgagtatga	ggtgaactta	45120
ctaacttgct	tttttagtgag	atgtcgcttt	tggcattagt	tcacaaaaaac	tgtggcttcc	45180
accttagagc	tctctcattg	tcaccactaac	tcaccactctg	tgggaggcca	gctgtttgtgt	45240
tataagctgt	cctgtaaaaga	ggccccccatt	ggcaagggaac	tgatgtttcc	agcctgcagc	45300
cagcaagtac	ctggggccttg	ctaacagcca	tgtcagtgaa	ctttgaaaca	ggtgacacct	45360
tgactgtatt	gttgtgacac	cttgactgta	ttcttatgtg	aaaacctgag	ccacaggcac	45420
ccaactaagc	tgtgacttag	aaatattacc	agttcaactt	caaactcttc	taaaaaaact	45480
gaaaaataaag	aagtaattcc	caactcattc	tatgaggggca	gtattaccct	gattttcaaaa	45540
ttgaatagga	aaaagaagaa	ggagaaggag	aagaaggaga	aggagaagga	agaggaggag	45600
gagaaggaga	aggaggaggga	ggaggaggag	gagaagaagg	agaaggagaa	gaagaagaag	45660
aagaggaaga	ggaagaggag	gaagaagaag	aagaagaagg	gaggagggaaa	gctataggct	45720
aatatgtcct	ataaacatag	attcaaaaatt	ttaaacaaaa	ttttaacaaa	ttgagtatca	45780
ccaaatgtta	aaaagagaat	acatcattgt	gacaacgtga	ggtttatccc	tggaatgtaa	45840
gctttgttta	atatctaaag	attgatcaat	aactcatgac	atttaccac	taaaaaagaa	45900
aactatatga	tcatctcagt	agatacagaa	aaatttttga	caaacttcaa	catcaatttc	45960
tgataaaagtc	tcaacaaaca	gcatagaaca	gaacttcctc	cccattgcgc	agcacagctg	46020
ctgtggcaga	ttgtggccag	actgcttctt	taagtgggac	cccgatccat	ccccctcac	46080
tgggcaggac	ctccttgtga	gaatttcagc	aactccagcc	agggttttat	ggacagaact	46140
ctgatctctc	tgggacagag	cccctcaggg	gaagggtggc	cacagtctct	gtggttcagc	46200
caacttagcc	tttcctgcct	gctggctctg	gagagtctgg	gcagtctgga	caaaagggga	46260
tccccccagt	gcagtgcacc	cagtcccca	aggggcagcc	agactgcttc	ttgaggcagg	46320
tccctgatcc	cattcctcct	gactgggtga	gaactcccaa	agggatcccc	agacacctct	46380
tacaggagtg	tttgggcccag	cgtcagtttg	gagcaggcag	ccatctttgc	tgttttgcac	46440
cctttgctgg	tgatagtgat	acctccaggt	gcagaaggga	cccaggtgat	taggggtctgg	46500
ggtggaccac	tagcaaaacca	cagcagccct	gcagaagagg	agcctgactg	ttaaaagaaa	46560
aacaaagcag	caacaacaac	ataaacaaaa	aagatcccca	aaaaaaccca	ttgaaaggtc	46620
agcaacctca	aagactgaag	gtagataagc	ccacaaagat	aagaaagaat	caatgcaaaa	46680
atgctgaaaa	ctcaaaaagc	cagagtgcct	cttctccaaa	tgattgtaat	acctctccag	46740

caagggcaca	gaactgggct	gagactgaga	tggctgaatt	gacagaagta	gccttcagaa	46800
tgagggtaat	aacgaacttt	gctgagctaa	aggaacatgt	tctaacccaa	tgcaaagaag	46860
ctaagaatca	tgataaaaaca	ttacaggagc	tgataaccag	aatagccagt	ttagagagga	46920
acataaaaaca	cctaattggag	ctgagaatca	caacgtgaga	acgtcacaaat	ccaatcacta	46980
gtgtctatag	ctgagtagac	caagcagcag	aaagaatctc	agagcttgaa	aactgtcttt	47040
ctgaaataag	acaggcagac	aagaatagag	aaaaaagaat	gaaaacaaac	aaaacctcca	47100
agaaatatgg	gattacgtaa	aaagaccaaa	cctacaactg	attggagtag	ctgaaagaga	47160
tgggggagaat	ggaaccaaatt	tggaaaacat	acttcataat	gtcatccagg	agaacctcgc	47220
caatctagca	agacaggcca	acattcaaat	tcaggaaatg	tggagaaccc	cagtaagata	47280
ctccacaaga	agatcaaccc	caaaacacat	aatcatcaga	ttacccaagg	tcaaaatgaa	47340
agaaaaaatg	ttaagggcag	ccagagagaa	aggccagggtc	atctacaaag	ggaagcccat	47400
cagactaaca	gtggacctct	cagcagaaat	cctagaagcc	aaagaaactg	gaggccaata	47460
ttcaacaatt	tttttatatt	ttgttttttt	gagactgagt	ctcgtctgt	caccagggt	47520
ggagtgcagt	ggcgcgatct	cagctcactg	caagctccgc	ctcccgggtt	cacgccattc	47580
tcctgcctca	gcctcccga	tagctgggac	tacaggcgcc	cgccaccgcg	cccagctaata	47640
tttttgtatt	tttagtagag	acggggtttc	actgtgttag	ctaggatggt	ctcgatctcc	47700
tgacctcgtg	atctgcccac	ctcggcctcc	caaaagtgtg	ggattacagg	cgtgagccac	47760
tgcgcccggc	ctcaacattc	ttaaagaaaa	gaattttcaa	cccagaattt	catatcaggc	47820
caaattaagc	ttcataagtg	aagaagaaat	aagatccttt	tcagacaagc	aaatgctgag	47880
ggaattgtta	caaccaggac	tgccctgcaa	gtgctcctgc	aggaagcact	aaatatggaa	47940
agaaaaaact	taccagccac	cacaaaaaca	cactgaagta	cacagaccag	tgacactatg	48000
aaggaaccac	ataagcaagt	tggcaaaata	aacagctagc	gtcatgatga	caggatcaaa	48060
ttcacacata	acaacactaa	ccttaaatgt	aaatgggcta	aatgccccca	ttaaaagaca	48120
gagaatggca	agctggccaa	agagcaaaaga	cccgtcagca	tcagcaaaaca	cccagatgct	48180
gtcttccaga	gacccatctc	aagtgcagag	acacacatag	gttcaaaata	aaggaatgga	48240
ggaaaaattta	ccaagcaaac	ggaaaaacaga	aaaaagcaag	ggttgtagtc	ctagtttctg	48300
acaaaaacaga	ctttaaacca	acaaagataa	aatagacaag	ggcattccat	aatggtaaaa	48360
ggctcaattc	aacaagtagc	gctaagtatc	ctaaatacat	atgcacctaa	tatgggaaca	48420
accagactca	taaaagcaagt	tcttagagcc	ctacaaagag	acttagactc	ccacacaata	48480
atagtgaag	actttaacac	tccactgaca	atattagaca	gatcattgag	acagaaaatt	48540
aacaaagata	ttcaggacct	gaactaaact	ctagattgaa	tggacctgat	agttatctac	48600
agaactctcc	acccaaaaaac	aacagaatat	acattctttt	catagccaca	tggcactcta	48660
aaattgatca	tataatcaga	agtaaaaacac	tcctcagcaa	atgcaaaaaga	actgaaatca	48720
taacaaacag	tctctccaac	cacagcacaa	tcaaattaga	actcaagaat	aagaaattca	48780
ctcaaaaacca	tacaactaca	tggaaatgaa	caacctgctc	ctgaatgact	cctgggtgaa	48840
taatgaaatt	aaggcagaaa	tcaagaagtt	ccttgaaact	agtgacaaca	aagagacagt	48900
gtaccagaat	ctctgggaca	cagcgaaaagc	tgtgttgaga	gaaatttata	gcactaaatg	48960
cccacatcaa	aaagctagaa	agatctcaaa	tcaacaacct	aacatcacaa	ctaaaaaaac	49020
tagacaacca	agagcaaaaca	aatcccaaaag	ctagcagaag	acaagaaata	accaagattg	49080
gagtggaaact	gaaggagata	gagacacaaa	aaaaaatattc	aaaaaaaccaa	caaattccagg	49140
agctgatttt	ttttgaaaaa	aaaaaaagtta	ataaaataga	ctgttaccta	aactaataaa	49200
gaagaaagag	aagaatcaaa	tagacacaat	gacaaatgat	agggggggata	tcaccactga	49260
cctcacagat	acaaacaacc	atcagagaat	gctataaaca	cctctatgca	cataaactag	49320
aaaatctaga	aggaatgggt	aaattcctgg	gcacaaacac	ttgcccaaga	ctgaaccagg	49380
aagaaattga	atccctgaat	agaccaataa	tgagttctga	aattcaggca	gtaacaaata	49440
gcctagcaac	caaaaaaagc	ccaggaacag	acgaatttac	agctaaattc	taccagaggt	49500
acaaagagga	gctgggtacca	tttcttctga	cactatttca	aacaattgaa	aaggaggggac	49560
tcctccctaa	ctcattctat	gagaccaaca	tcctcctgat	accaaaaacct	ggcagagaca	49620
caataaaaaa	acaaaacctc	ggacaaatat	ccctgatgaa	catcaataca	aaaatcctca	49680
ataaaatact	ggcaaaccaa	atccagcagc	acatcaaaaa	gcttatccac	cacgatcaag	49740

ttgacttcat	ccctgagatt	caaggttggt	tcaacatatg	caaatacaata	aacgtaactc	49800
atcacataaa	ccacatgatt	atctcगतग	acacagaaaa	ggcctttgat	aaagttcaac	49860
atctcttcaa	taaaacttca	ataaaactaag	tattgaggaa	tatacctaaa	aataacaaga	49920
accatctatg	acaaaacccac	agccagtatc	ataactaagta	ggcaaaaagct	ggaagcattc	49980
cccctgaaaa	ctggcacaag	acaaggatgg	cgtctctcac	cactttttatt	caacctagta	50040
ttggaagttc	tggccagggc	aatcaggcaa	gagaaagaaa	taaagtgtat	ctaaatagga	50100
agagaagaag	tcaaactgtc	tttgtttgca	gatgacatga	tcctatgtct	agaaaacccc	50160
atcgtctcag	cccaaaaacct	tcttaagctg	ataagcaact	tcagcaaagt	ctcaggatac	50220
aaaatcaatg	tgcaaaaaatt	gctaacattc	ctataaacca	acaacaggca	agcagagagc	50280
caaatacatga	atgaactccc	attcacagtt	gctacaaaaga	ataaaaatacc	taggaataca	50340
gctaacaagg	gaagtgcagg	gcctcttcaa	ggagaactgc	aaaccactgc	tcaaggaaat	50400
cagagaggac	acaagcaaat	ggaaaaacat	ttcatgctca	tggataggta	gaatcaatat	50460
tgtgaaaatg	gccatatggc	ccaaagaaat	ttatagattg	aatgctattc	ctattaaact	50520
accattgaca	ttcttcacag	aattagaaaa	aactattata	aaattcatat	ggaacccaaa	50580
aacagcccca	atagcccca	tatctttttg	cttaggattc	taagcaaaaa	gaataaagct	50640
ggaggcatca	tgctacctga	catcagactg	tagtacaaga	ctacggtaaa	caaaacctca	50700
tggtactggt	acaaaaacag	atacatagac	caatggaaca	gaatagagaa	ctcagaaata	50760
agaccacaca	cctacaaaaca	tctgatattc	aacaaatctg	acaaaaatga	gcaatggggga	50820
aaggactccc	tattttaataa	atgggtgctgc	aaaaactggc	tagccatatg	tagaaaaattg	50880
aaagtggacc	ccttccttac	accgtataca	aaaattaact	caagatggat	taaagactta	50940
aatgtaaaac	ccaaaactgt	aaaatcccta	gacgaaaatc	taggcaatac	cattcaggac	51000
atagacattt	catgacgaaa	atgccaaaag	caattgcaac	aaaacccaaa	attggcaa	51060
ggggtcta	taaagagctt	ctgcacagca	aaagaaactg	tcatacagagt	gaacagacaa	51120
cctgcagaat	gggagaaaaat	ttttgcaatc	tatccatctg	acaaaggat	aatatccaga	51180
atctacaagg	aacttcaaca	aattttacaag	aaaaaaaataa	ccccattaaa	aagtgggcaa	51240
agggcatgaa	cagtcacttc	tcaaaaagaag	acatacatgc	agccagcaaa	catgaaaaaa	51300
agctcaacat	cacagatcat	aagagaaatg	caaatacaaaa	ccacaataag	aggtgggtgg	51360
gtcacttgag	gtcaggagtt	caagactaga	tctagaatca	gaaataccat	ttgaccagc	51420
agtcttatta	cggggtatat	accaggaat	ataaatcatt	ctattataaa	gatacatgca	51480
tgcataactt	cactgcagga	ctattcacaa	taacagagac	atggaatgaa	cccaaatgcc	51540
catcaatgat	agactggata	aagaaaatgt	ggtacatata	taccgtggaa	tactatgcag	51600
ccataaaaaag	gaataagatc	atgtcctttg	cagggacctg	gatggagcaa	actaatgcag	51660
gaacagaaaa	ccaaacactg	catgtttctca	cttataagtg	ggagctgaac	tatgagaaca	51720
catagacaca	tatgggggaga	acaacacaca	ctggggcctg	ttgggggaagg	ttggggggagg	51780
gagagcataa	ggaagaacaa	ctaattggatg	ctgggcttaa	tacctagggtg	atgggttgat	51840
ctgtgcagca	aaccacctgg	cacatgttta	cctatgtaac	aaacctgcac	aggtaccctg	51900
gaacttaaaa	gttaaaaaaaa	ttttaaaaaag	aagagaactt	cctcaacctg	ataatgtgca	51960
tctataaaaa	aacctatacc	taacatcatt	tttaatggta	aaagaccgaa	tcctttccca	52020
ttaggatcag	aaagaagaca	agatatccac	tctcacgact	tctattcaac	actggagggtt	52080

ttagccagtg	caataaggta	agaaaaataa	acaaaagtca	cctacttttt	aaaaaaagta	52140
agaatgaaaa	tatttttacc	ctcagatgac	ctgatcacct	atgtagaaaa	tccagtga	52200
catttaaaaag	gaagaaacag	ggcaggcatg	gtagctcacc	cacccaaagt	gtaatccac	52260
cactttggga	agctgagaca	gaaggatcac	ttgaggtcag	gagttcaaaa	ccagcctggg	52320
cacagagtga	gaccttgtct	ctataaaaaa	ttaaaaaatt	agctgggcat	ggtggtgcat	52380
agcttttagac	ccaaacactt	agaaggctga	ggtggggagga	ttgcttgaat	ccaggagctt	52440
gaggctacag	tgagctaaga	ttgtgccact	gcactccaaa	ctgggtgaca	gagccagacc	52500
ctatctctaa	acaaaacaaa	actactagaa	ctaatacatg	agtttagcaa	ggttgagga	52560
tacaagatca	atgtacaaca	ctcaactgta	tttccatata	ctaacaacaa	ataattgaaa	52620
aagtgaat	aaaagcaata	ccattttacaa	cagcatcaaa	tagatgaaat	atttagggat	52680

aacctaacaa	acaatgtgaa	atgcctgtac	actgaaaact	ttaaaacatt	gctaagagaa	52740
tttttaaaaa	tctaaataaa	tggagataca	ttgtgttgct	gggttggaag	actcaatatt	52800
gtttaaatgt	cagttcttcc	ctagttgatt	tatagactta	atccaataac	agtcacattt	52860
cctttttttg	tataaattga	caaactgatt	ataaaattca	tgtgaaaata	tgaaggacct	52920
agaatagaca	aaacaacttt	taaaaagaat	gaagttggaa	gactaggacc	acctgatttc	52980
aagacatatt	acaaaactaa	cagtaatgca	gacagtttgg	tactgggcaa	ggatagacat	53040
attcatcaac	agaacagaat	agactacaga	aataaatcca	catgtatatg	gtcaactgat	53100
tttcaacaaa	ggtacaaagg	caattcagtg	gagaagggac	agtcttttca	gcaaatactg	53160
ctggaacaaa	tgtatatcca	tatgcaaaaa	tgaactttga	tctagctaca	tgttacacca	53220
tattaagaaa	ttaactcaaa	atggatcaca	gacctattta	taaaacctaa	acctgtaaag	53280
tttataaaaag	aaaacatata	agaaaaattt	tgtgaccttg	gaataagcaa	atatttctta	53340
ggtacaatac	caaaagcatg	gtccataaaa	gaaaacactg	atgaattaga	ctttttaatc	53400
attaagaaca	tcttctcttt	caaagagaat	cttaagagaa	tgagaaaaag	ccacagacta	53460
gaataaaaata	tttgaaatca	tatatctggc	tgggtgtggg	ggctcacgcc	tgtaatccca	53520
gcactttagg	aggttgaggt	gggtggatca	cctgagggtca	ggagttcaag	accagcctgg	53580
ccaacatggt	gaaaccccgt	ctctactaaa	aatacaaaaa	aaaatgagcc	atgcgtgggtg	53640
gaggcacctg	taatcgtagc	tactcaggag	gctgaggcag	gagaattgct	tgaactcagg	53700
aagcagaggt	tgcagtgagc	caagattgct	ccattgcact	ccagcctggg	tgacaacagt	53760
gaaactccat	ctcaaaaaaa	aaagaaaaaa	aaaaactcta	aaaacgcaat	acagtgggtgc	53820
tcccttatct	gtggttttgc	tttccatggt	ttcagttacc	tgtgggtcaac	catggcctga	53880
aaatattaaa	tggaatattc	cagaaataac	caattcatag	gttttaaatt	gtacaccttt	53940
ctgaggagca	tggtgaaatc	tcatgctgtt	ccactctggc	ccaccaggga	cacaaatact	54000
ccttttgtcc	aacatatcca	tgccatatac	actacctgcc	tgtagtctc	ttagtagcca	54060
tcttgattat	cagattgcct	gtcatggtat	tgaagtgctt	tgtgttcaag	taacccttat	54120
tttgcggtgg	ccccaaagtt	caagagtaat	gatgctgaca	tattgttata	atttggtatg	54180
gtttggctct	gtgtccccac	ccaaatctca	tctcaaattg	taatcctcac	atgtcaaggg	54240
agggacctgg	tggaagggtga	ttgggtgatg	ggggcagttt	ccctcatgct	gttctcatga	54300
tagtgaggga	gttctcacaa	gatctgggtg	tttgtaaagt	gtctggccct	ttcccctgca	54360
cactctctct	ctcctgccac	cttgtgaaag	tgtgtcttgc	ttcccctttg	cctttcgcca	54420
ttattgtaag	tttcctgagg	cctccccagc	catgcagaac	tgtgagtcaa	ttaaacctgt	54480
ttttctttat	aaattattca	gtctcatgta	gtacctttat	agcagtgtga	gaacagacta	54540
atacataatt	gttttattat	tagttatggt	tgccaatccc	ttactgtgcc	taatttataa	54600
attaaacttt	attataggta	tatatgtata	agaaaaatca	gtatatatgg	ggctcagtac	54660
tatccatggt	ttcaggcatc	cactgggggt	cttggaatgt	atccccctc	agataagggg	54720
gactattgta	ataagaaaac	aattcaatat	tttaaaatgg	gtaaaagatt	tcaacagata	54780
cttcacacaa	gaagatatat	ggatgacaaa	taagcatatg	aaaagatgtc	caataccatt	54840
actcattaag	gaaatgcaaa	ttaaaactac	attaaaatac	cactacacac	tcattagaat	54900
ggctaaaaatt	aaaaagactg	agtaaatccc	atgttggcac	acactgctga	ggagaacata	54960
atttggtcca	accacttcac	tttggaaggc	agtctgggag	attatttatt	tatttattcc	55020
attcctggct	gatttttttt	atagaaaatag	agtttcacta	tgttcctcag	gttgggtctca	55080
aactcctggg	ctgaagcaat	ctgcctgtct	tggcctctca	aagtgctagc	attgcaggca	55140
tgagccaccg	cgcccggcca	tggcagtttc	tttaaaagtt	cagcatatac	ctatgatgtg	55200
atctagctat	gccactctta	ggttttttacc	caagagaaat	gaaactgcat	gtccatacaa	55260
agacttgtag	gccaatgttc	atagcaactt	tctttgtaat	agccaaaaaac	tggaaatagc	55320
acaaaataccc	attagcaagt	gaatggctaa	acaaattgta	gtatatccat	acaatagaat	55380
cctgctcagc	aatttataaac	atgaattatt	gatacttggg	agaacaaaaga	tgaatctcaa	55440
aataattaca	ctgaatgaaa	gaagccaggc	aaaatgacta	catgctatgt	aaatccaatt	55500
ccacaaaagtt	ctataaaaact	aaactaatct	attgttaact	aatctgtagt	gacagaagca	55560
gatcagtcgt	tgccctgtgga	tgagtagggg	tggcaaagag	tcaggaaaagg	aggatgacaa	55620
aggggcatgt	ggaagctttt	tgggggtgatg	gatatgttta	taccttgatt	atggtatttc	55680

acaggtgcat	acatatatca	aaacttatca	aatcatgtac	tttaaatatg	tatgtcatgc	55740
acttttaaatt	gtgtgccagt	tataccttaa	taaagctagt	aaaactatta	tacattctta	55800
tttttctgag	caggttctca	tggagaacaa	aatacaccat	acctagtgtt	cgttttcttt	55860
tttttaatta	attaattaat	tgatttttat	tagtgttcat	ttcaaaggac	cttgctaggt	55920
gtcctaataac	ctatctgatg	actttgcctg	atactgatga	ttttattatg	attttaaaaa	55980
atatttttag	tagagacggg	ttttcgccat	gttgggcagg	ctgggtctga	actcctgacc	56040
tcaagtgatc	ttcccacctc	agcctcccaa	agtgtctggga	ttacaggagt	gagccaccat	56100
gctcagccaa	tactaataat	tgatatggga	gaatgttttg	tttttcctag	attcctcatg	56160
cagcttaata	aggaccataa	taacttaact	cttagaacia	aggagataat	tcaggcccaa	56220
agggaagcac	atctggtgcc	tcctctgaaa	ttcacaaaaat	aagggcggtg	ttgtaagttc	56280
tgcatgaagc	taaacttggt	caaagtttat	aagttcaaaa	gtaaataaaa	ggactatctt	56340
ttattctgag	accttatattc	aatatcactt	gtgataatga	ttatagatcg	tagctgttat	56400
ttacatatgg	ctacttctca	gggttaaagg	tggcatttcc	acagcagtat	ctgggatttt	56460
attgcctatg	aaatcaagaa	ggtagagtaa	caagaattgt	gtagggtagt	agcttttacc	56520
ttacatgcaa	gttaacaagt	tagcctggta	atgtttgatg	gatgttagct	aaagacatga	56580
gactcttggg	tcagagaaaa	aacacttgat	tactcatggc	aaaagcagta	atcagaactt	56640
aatattgagc	ttttactggg	ttccatgccc	cacgtgccat	gaggggaatg	aaagtcccat	56700
aatggatggt	tatggatggt	tgcacacaca	cagtgggcta	ccatttaagg	agaggaatcc	56760
tgagcctggg	aagtccactg	cttttatagt	gagttgtaac	aagcctgttc	tttgtctagg	56820
ggaagatggt	acctgatccc	tcaaggttgc	tcattacaaa	cacaaccctg	agaaatggcc	56880
tgataaaaga	gcagtcagag	ccttgcttct	tggcatacct	gacaagaatg	cacagagctg	56940
ctcagggccc	ctggtaggtt	tgccctccac	actagggact	gtgcatggag	gcacctgcca	57000
cttctgcctg	catcctgggc	tagcgtgaca	gtcagagaca	cagacaccag	tgaatggctg	57060
aaatatgttc	ctgtggtctt	ctcactccac	tacaacttcc	ttcccagtta	gggtccccc	57120
gcaggccctt	tgagctgcac	ctggcagagt	tgagttacat	actttcatgt	accctgctga	57180
gtttgtcttc	tttgccctca	gaaattccaa	catactacat	gagtcatggt	tcttggtatt	57240
attgttatac	ccttctcaga	atctctctga	ctccccagat	ttcacatcgt	tttccatttt	57300
tgtaaaaggc	ctcaaggctt	ccatgctatg	gagaagagtt	atactcatct	tttctttatt	57360
cttgcatctc	tgaaagcctt	acattagcat	ccaagtgagg	tttctctatc	aatatcaaca	57420
gtaaatatth	agtgaactaa	acacctacta	tgctcagcat	aatgtataaa	atatgattta	57480
agggttcctg	ggagcttcaa	atgcatcacc	tgggtgcaaa	aacatgagga	aacaaaaaag	57540
tacattctgg	tgggtttttt	aatagcattt	aaaaaataat	gccttgctgc	agggatagga	57600
gctgtgctgc	tttcatatca	attctgttct	ctttgtgggt	tgagaaactg	gagctgaagg	57660
gaagggtgatt	gggaataaaa	gaaagcagta	ctgatttttc	tggctaataa	aaagtgtgca	57720
cactgtcatg	cactattaga	atttctggga	tcttctttat	aatccccggt	ttgatgggta	57780
ttggccaaga	agggaagaagg	ggagctagtc	aggcctagaa	taattaccag	ccatacagca	57840
taatctgggg	ctagtgttgc	agggtcaagg	actgaatgag	gcagagtgc	caggagcaga	57900
tcctgcaagg	ccttgaccaaa	aaaggaagct	aaggttcata	gaaggaaaat	attgtattga	57960
tcatcaattc	tagaggattg	ggcatagagc	caaaaaatagg	aggtgtatca	tgagatcaaa	58020
agccattggt	ggccaagcgc	gatggctcac	acctataatc	ccagcacttt	gggaggccaa	58080
ggcgagcaga	tcacttgagg	ccaggagtct	aagaccagcc	tggccaacat	ggcaaaaacc	58140
tgtctctacc	aaaaatataa	aaattagctg	gccatgggtg	cacatgcatg	taatcccagt	58200
actcaggagg	ctgaggcagg	agaatcactt	gaacctggga	ggcggagggt	gcagtgcagc	58260
gagatcatgc	cactgtactc	caacctgagt	gacagagtga	gacctgtct	caaaaaaaaa	58320
aaaagccact	ggtatgtagg	aatggtgcag	gaaaaaagtg	caaagcagaa	atgaggtgaa	58380
aatatataga	actatgaaca	ggaatgaggt	ctttcttgag	tactggctgc	cagatggagt	58440
acgagtgggt	cagcagaagt	taatgaggta	ggttaaaagt	taatgcatag	gaatagtttc	58500
tgacagctct	tctgatgctg	tccatcctgc	agtcaggcct	atatcaatat	cagccctaga	58560
tgaagtgggt	acaccctcct	ttgtgcacct	actgttacaa	atagtcattg	ctgtcattac	58620
tccatcacag	ctgatggcac	ttactagggt	gagagaagcg	gggctctgtc	tcccttacca	58680

tacagtgagc	tccttgagtt	tattcatctt	tgtgtttcca	ttgtgcctgg	actgcgcact	58740
gtttcccgaa	tgaacaaatt	aactggccta	gaatatactt	atgatgataa	aggtcagttc	58800
ttagattatt	gttttcattc	tttaactgtt	taagataatg	tcaactctat	gtaaaaattg	58860
tgccctaggt	aagcagttgc	tttttattat	tattctctct	ctttcttgat	ggttactccc	58920
tctaggagcc	caaagcatga	cgtccagagc	cccagattcc	cagccatcct	ggttgtgacc	58980
cttcattctc	aactttcatt	tcaatcttag	tatgccatga	aaagccgtct	gcttttgaag	59040
cactatcagc	cacagagttc	tgtactttta	gaaggccttc	tcatagtcag	attctcacia	59100
atatacctat	tgtttcaata	aataatttatt	gaattggcca	gcaatgtttc	agatactggt	59160
ctaggtgctg	gggttacatc	aaagaacaag	gtaggcaaaa	tactaccct	cgtggacttt	59220
gctttcctgg	agggggaata	ggcaggacat	aaaataaatt	gtaaactatt	cgggatgtta	59280
gtgatcagag	aagaaaaagta	aaacagggac	agtgaatggg	gactgtcaga	gtggtagttg	59340
ctattcaaga	tcatttgacc	aaggaaggcc	tcgctgagga	agtaacattt	gagaatagac	59400
ttgaaaggca	taaaaaaaca	agtcattagg	taaaaaccat	tccaggcaga	aggaacaaat	59460
aatgcaaagg	gccagggatg	gaaacatctg	tagtgttcag	gggaaagcaa	ggaggccagt	59520
gtgactggag	cagagtagat	taggcaaaga	acaggagtag	ataagatcag	caaggtaatg	59580
ggtgccacat	cacgtaaggt	cacacaggac	agtgtaatga	ctttggcttt	tactctgtta	59640
tggggagcca	ttgcaggatt	gggagctgtg	aaatggcaca	ccttgcttac	atctaatagg	59700
aaatctgctg	ctgcattgag	aatagacctt	taaattttta	aagagatatc	tatggcatta	59760

ccttaaataa	agtcatgctc	cttggagtgc	ctcaattcat	gtacattaat	gggtaaaagt	59820
ggaattcaag	aaaccctgga	aatgtatggg	ggagtccctt	ttgtttctcc	tctgctcatg	59880
tctggtgggt	gagcactaac	gccatctctt	cctaagcgag	ggctccctag	cagagcaccg	59940
tgacatgga	ttcttcctat	gctctgcatt	ctttgccaca	gggatgccat	aatttggcaa	60000
tatgcagtag	agactgcctc	aagaggcagt	tcccttcttt	atctaagcca	agagaaaattt	60060
ggttctgcaa	gtaacaagta	attactgctg	atgacattcc	ttgtacacac	ttgaagagag	60120
cgtggaccgc	aaaataaaaa	ctggagcaaa	aagggactat	cagataatcc	agattaaaga	60180
ttggaaagga	ggaaaacaca	ttattttacac	atacaacact	tgatttttatg	agtagagaac	60240
acaacttatg	tgtatgtacg	ttgtacactt	gattatatgt	gtagagaatt	caaaagtgtt	60300
cagataaatt	atttagactt	aaaaagagac	aaataatttt	gggaagggtga	tagtggcagt	60360
agtagcatag	gttttagata	ttcctgaatc	tccacataaa	aacagcaact	agatagaaga	60420
cacaaaaactc	atgggcaaca	aaataaaaatc	catttacaag	aaaattagat	gatgaggat	60480
tcttatgatc	ctcaaaaatat	aaccggttgg	ggaaagacca	cccacagcca	caagagctgt	60540
gttattttgtg	tctacgtagg	agaaaataaga	gagaggcaat	ggacatctga	cagacctgag	60600
aacagagaac	tcaaaaatagc	caaagggtat	tacttggaag	gcatgggtgg	ggcaatttga	60660
gatcagcagc	tgaaacttaa	taaggggtga	gtgcaaggga	tccacctctg	gaaggctctaa	60720
aaggaatgca	gcagtctagc	tgctgtgaaa	tttctagact	gatctggtgg	ggctcccttc	60780
caagatagga	tctcatgaag	aagagaaaact	gtggggagta	ttgagctcaa	aattgagcag	60840
aatgaagaca	atacagatga	agaagggaaga	ggaatatcca	aatgaaagca	tatcagagtc	60900
aggaaatctc	cttggaaaagc	aagccagagt	atttttttaac	accatattaa	tacaatatag	60960
caaaggaacc	atgtgaagtt	agaaaagcta	tctgaaccaa	atgtcttttt	aaaatcacat	61020
aaaaactaaa	ttcacaccca	caaaaatcta	cagcaggaaa	atatcaaggc	caaatccaac	61080
acaacattat	taaccctaaga	aagagaataa	ggggaatatc	tgacagacaat	gaaagcatgc	61140
caaaaagata	tgattgaaaa	tagattgaga	ccctaattgta	ctatttcagg	tgcatcctaa	61200
gacattgaag	aagtcatata	agacatagaa	aagcaacata	aatcaaatta	ggagctcag	61260
aaatgagaca	attcaagaaa	aaattagaaa	taaacatcta	aaaatgaagg	ctgatctaga	61320
aggaaactcaa	caacaaatga	atacaacata	attcttttaac	ataaaataaaa	ggtagaaaagg	61380
aagaaaaattt	tttaaatgga	atgaaaaaag	attttttaaaa	agttttgaaa	gaaaaacaaca	61440
aatattgaaa	ataggcaaaa	aagatcaatt	tatcaataat	aagagtccct	gaaaaagaaa	61500
ataaaagcaa	ggaaagaaaa	caagtataaa	acaaacaaaa	ccctctaatt	taagaaaact	61560
gaaaatttga	aactacgtat	ggaaagaaca	cactgtgtac	ttgagtatat	cataatgact	61620

aagttcagca	gagttgttgg	atgaaaggct	tatgtgtaaa	caccatttta	tgtaacattt	61680
aaacaaaattt	tttagatcat	ttaaaaacagc	ataaaaaata	taaaatccta	tttgtgacgg	61740
ctttctagtg	tgtcaacttg	actaggccaa	actacatttc	ctagaattct	ctttcttgta	61800
tgttttctga	ccacaaaagga	gattctttct	agatttgga	agctaaggga	agttccagcc	61860
atcttatagc	acacacattg	ttgcgaacct	gctgatccac	ctactggggg	gaagcagagc	61920
tggacatgca	attgctctac	cttcccctgg	accctccatt	aacttgtcag	gcccctgggc	61980
caggtgtgtg	tgattagctc	cacgacaaag	ggccacagct	tctgcaggat	atactcatta	62040
cctagatcag	aggcaacaat	aactgacatg	ggtttcagtc	tcttcacagg	ggtgtgagca	62100
tgctctaatac	tcttgatttt	ccctcctgac	tgctgcctt	gtagacttca	agctctagca	62160
tcagatgtgg	agacaacagc	cttacagaga	ctgcttaaag	agctcccaaa	attgcataac	62220
tcaactgcct	gtgacacatc	catatatctc	tttttgaatc	ctggctaata	cagtaggaaa	62280
agatatgcat	tatctctata	tagaaaaatca	taaaaatattt	tgagaggaat	taaattctat	62340
attcattgat	cagaagactt	aatattgtaa	aaatatcatt	tctcccaga	ttgatataata	62400
ggttcaatgc	aatagaaaatt	ccaacaactt	gcataatgtgt	gtgtgaaact	tgacaagcta	62460
aatctcaaat	ttatacggaa	attcaaaggg	ctaaaaatag	gctggaaaga	aaaggacaag	62520
ctgggcgcgg	tggtcacgc	ctgtaatccc	agcacttttg	gaggccaagg	cgggcagatc	62580
acatgaggct	gggagttcga	gaccagcctg	gccaacatgg	cgaaacaccc	tctctactaa	62640
aaatacaaaa	atttgccggg	catggtgggg	ggcgcttgta	atcctagcta	cttaggaggc	62700
tgaggcagga	gaatcacttg	aaccaggag	gcagagggtg	cagtaagcca	agatggcacc	62760
attgcactcc	agcctggatg	ataagagtga	aactctgtct	aaaaaaaaa	aaaaaaaaata	62820
ggacaaagt	agaggatttc	ttcttctgga	tatcaatatt	tactataaag	ctagtaatta	62880
aaacctgcta	aatatggtat	tggagcaagg	agagacaaat	agatcaatag	aacagaatag	62940
agagaatcca	gaaagagtca	aggatatata	gatgcttttc	aataaatggt	gcagggtcag	63000
ttggctatcc	acatggagaa	aaaagtgcaa	cctgaatcca	cctcaacaaa	attacttcca	63060
ggtgaactac	tgaaatggaa	aacaaaaaaaa	cttcaggaaa	gtcatagaag	agagtatctt	63120
tatgaactag	ggacatgaaa	atatgttaaa	cagaacacaa	caagtattat	tcataaggga	63180
aaatatgtgt	aaattgctct	acattcgttc	aggagcagcc	tgggcaacat	ggcaaaatgc	63240
cgtctctgct	aaaaatacaa	aaatacagcc	aggcatcgctg	gtgcatgcct	gtggtcccag	63300
ctactctaga	ggctgagggtg	ggaggatcac	tggagcctgg	gaggcagagg	tcacagttag	63360
ctgagatcac	gccattgcac	tccagcctgg	gtgggtgaca	gagggaagacc	ctgtctaaat	63420
tgaaaaaaaaa	aaaaaagctc	tacattagaa	attgagaact	tctgttcatt	aaggacatca	63480
ctaaggaaaa	aggcaagcca	tagactggga	caatgtattc	acaatgcata	tgatcatcaa	63540
gaatctttat	tcagaataaa	aaagtgggaa	tctatatgaa	aacatagaaa	atccactttt	63600
ttaaaaatgt	gcagtcttat	gtttatcaca	gcactgttca	cagtagtaaa	gtcatagaat	63660
ccatctaagt	gtccatcaac	agatgattgg	attaaaaatgt	ggtatatattt	tgccatggaa	63720
tactatacac	ctataaaaaat	aaatgaaatt	atgtcttttg	cagcaatgtg	gatggaactg	63780
gaagccatta	tgcttactga	aatgactcag	aaacagaaaa	tcaaaaacca	catgttctga	63840
ttgataagt	ggagctaaac	agtgggtata	cacggacata	caaggggcat	aatagacact	63900
ggagactcca	aatgggtggga	ggatgggagt	gggtgaggga	tgaaaatacca	cctttcaagt	63960
acagttcagg	tgattggtac	acttaatgcc	cagatttcac	cactgtgtaa	tatatccatg	64020
taacagaact	gcatttgtat	ccctaaatcc	ataaaaaata	aaaaatttaa	tttcaaaaaa	64080
taaaaaatgt	gcaaaagata	tgaacaggta	catcacaaaa	gaacaaatcc	agatagccaa	64140
taaacaaatg	aaaaagggtc	caacttcatt	agtcatcaga	gaaatgcaaa	ttaaagccac	64200
agtgtgataa	tactacatac	tcacttgaat	gtctgcaatt	aaaaaaaaaga	ctgacaaaac	64260
caagtgttga	gaaggatgta	gaacaactgg	aattctcatg	catagtgtgg	aagtgtgcat	64320
tgatacaatc	acttttgaaa	actgttttagc	agtatctact	aaacttgaac	atattcatac	64380
cctgtgtcct	agcaattcca	gcaaaaattgc	atacatatat	tcaccaaaaat	aatgcactag	64440
aatattcata	gcaacactat	ttgtaatagg	cccaaattgt	aaactgtttg	aatgtccatc	64500
aacagttata	atatctattt	ataatgtcca	atatatcaca	gtatactcca	tgccacaata	64560
tagatggctc	tcacaaaaat	aataaatagt	gttgagcaaa	ggaagccaga	aaaagagatt	64620

ataccctatg	ttactctttt	tacatgatgc	acaaaaacag	gcagagctaa	tctaagatgt	64680
tagaagtcag	attgggtggg	tggagaaaag	ggagaataga	gcaagaggaa	gacttctgaa	64740
gcactaataa	tatgtttttt	gacttgcacg	ctgggtgccc	aggtgtgtca	gtttttgaaa	64800
attcagtgaa	ttatacatct	atatatatgc	atttttgttt	atgcatatct	ttcttcagca	64860
aaagttttaa	aaataatctt	tgggcttcct	gaaaagataa	aaaggaaacg	tttaaaggat	64920
acatgtcaat	tttttagcag	agacaaaatt	tttaaatact	attttctgaa	aaaaaattct	64980
ccctcacagc	tttataatct	ttattaatat	tgaaggatat	aatgaatagt	tttactgtaa	65040
atgcagaagt	aaattttata	agacttgttt	atggcaccat	taggaatagt	ttttaaaaaa	65100
cagaacttgt	gtttatcaaa	agacactatt	aatgacacc	aaaagcaca	gtaacaaaag	65160
aaaaatgtgt	ttaatatcat	caaaaattaa	aatttctggc	caggcaccgt	ggctcacgcc	65220
tgtaatccca	gtactttggg	aggccgaggc	aggcagatca	caaggtcagg	agtttgagac	65280
cagcctgacc	aacacgggtg	aaccccatct	ctactaaaaa	tacaacaaat	tagccaggca	65340
ttgtgggtgcg	cacctgtaat	cccagctact	tgggaggctg	aggcaagaga	atcgctcgaa	65400
cccaggagggt	ggagggttga	gtgagcgaga	tcttgccact	gcactccagc	ctgggtgaca	65460
gagcaagact	ccacctcaaa	aaaaaaaaaa	aaaaaaaaatt	ctgtgcttca	gataacacca	65520
ttaagaaagt	aaaaagaacc	tacagaatga	agaaaacgtt	ttcaaattat	ataatagacc	65580
tgataagggg	ctcacatcta	gatataataa	gaatgcttac	aactcaataa	tacaaaagaca	65640
aataaaacaa	tttttaagt	ggcaaaaga	ctgaatagaa	gtatctcaaa	aaagatatat	65700
gaatggccag	taggcacatc	attaccctta	agggaatca	aaatcacaa	gagttaccac	65760
tttgcacccc	ctaagatggc	tataatataa	aaattaacaa	gtgtttgtga	ggctgtggag	65820
agattagaac	cctcattcac	tcctcctagg	gatgtaaaat	agtgtctgag	ctagggaat	65880
agtttggcag	tttcccaaaa	tgtaaacaat	agggttacca	tatgactcag	tgattaagct	65940
cctaggtata	tactcaagaa	aatcaaaaac	tatgtccatg	taaaaacttg	tacatgaata	66000
ttgatagcag	cattgtttat	aatatcccta	aaaggaaaca	acccaaacat	gtatcaacta	66060
ttgaatggat	aagtgaatg	tggtatatcc	atacagtga	atattattca	gcaattaaag	66120
tgacacactg	actcatgcta	ggacatggat	gaaacttgaa	aacatgatgt	taggtgaaag	66180
aagctagtcg	caaaagatca	catttgattc	catttatatg	aatgaccaa	aatagacaaa	66240
tctataggga	cagaaaggag	attcgtgggt	atatgtggct	ggggaaatgc	aaattaaaac	66300
tactaggaga	tacataccga	tggtatgtat	gcttatcttt	aaattatctt	taaatTTTTT	66360
aagataataa	gataaagatg	tgaaactatg	aaactctcat	ttactcactg	ggagggtata	66420
aactggtaca	accacattag	aaaagaaatt	ggcgtatctt	ttaagattaa	caacacatat	66480
accttgagag	ccagcaaatc	catttctaaa	ttctactcag	tagaactatg	tgcatattta	66540
tatcaatagg	tgtacaaaaa	tattcatagc	agcattattg	taatcaccca	aatgttcac	66600
agaagtataa	ggaataaata	aattgtggta	tattcctgca	atgggatatt	atatagcagc	66660
tacagttaca	cccagcaaca	tgtataaatc	tcacaaacaa	catcaataa	aaaagccaac	66720
cacaaagtag	catccactat	gattcccatt	tatgaagttt	aaaaacaggc	ataactcaac	66780
tatagtatta	aaagtcaata	tagtagttca	ccttaaggga	gaagggaag	agtaaaaagt	66840
ataaatatgag	gtagaatttt	gaggtattgt	aatgttctct	ttcttgggtt	atagttttct	66900
atatgatgtt	ttctttgtta	caatttactg	agctatacat	ttttaatttg	tacacttaaa	66960
aatacatctt	ctggccaggc	gtggtggctc	gtgcctgtaa	tcccagcact	ttgggaggct	67020
gaggcaggca	gatcaggaga	ttgagaccat	cctggctaac	acagtgaac	cctgtctcta	67080
ctaaaaatac	acaacaaaaa	ttagccaggc	gtggtggcgg	gcacctgtag	tcccagctac	67140
tcaggaggct	gaggcaggag	aatggcgtga	acctaggagg	cggagcttgc	agtgagccga	67200
gattgcacca	ctgcacttca	gcctgggtga	cagagcaaga	ttctttcaaa	aaaaaaatat	67260
atatgtgtgt	gtgtgtgtgt	gtgtgtgtgt	gtgtatgtgt	gtgtgtgtgt	gtctgtgtgt	67320
gtgtgtgtgt	attctggccc	aagattatag	ttttttttta	ggcagtctgt	cagggttcta	67380
caattgtatg	agttataaat	aaggagtgc	aatatcttca	gtgaactcct	gaacatgaaa	67440
accaaagggtc	gactgcgaat	accttcttta	catacaacca	gacattatgg	aatgaatgtg	67500
ttccccccaa	attcatatgt	tgaagctcta	actcccagtg	tgtctgtatt	tggagatagg	67560

gtctttgggg	aagtaattaa	agttaaatta	ggtcatacaa	cctacagaat	tggagaaaat	67620
at ttgcaaac	tgtgcatctg	acaatggctt	aatacccgac	atctataaga	aacttaaat	67680
tacaagaaaa	aactaacaac	cctatgaaaa	agtgggcaga	gttaat tttt	tcatgagcaa	67740
tggaaaaaaa	ttaaaaagtc	tgaagcagg	caaagaacat	gaacagacac	ttttcaaaag	67800
aagacataca	tgagccaac	aggcatatga	aaaaaagctt	agtatcactg	atcattagag	67860
aaatgcaaat	caaaaccaca	atgagatacc	atctcacacc	aattggaatg	gctactatta	67920
aaaagtcaaa	aaataacatg	ctggcaagat	cgcagagaaa	aatgaacaca	tacactgttg	67980
gtaggagagt	aaattagttc	aacattgtgg	aaagcagtg	ggcgactcct	caaagagcta	68040
aaaacagaac	taccattcac	cagcaattcc	at ttgtggtt	gtatacccaa	aggagtataa	68100
atcattctac	cataaagacg	caggcacatg	aatgttcatt	gcagcactat	tcacaatagt	68160
aaaggcatgg	aatcaaccta	aatgcccac	aatggcagat	tggataaaga	aaatgtggta	68220
catatacacc	atggaatact	atgcagccat	aaaaaagaat	gagatgatgt	cttttgtttg	68280
aacatggata	gagctagagg	ccattatcct	tagcaaacca	acacaggaac	agaaaacca	68340
atactgcatg	ttctcactta	taagtaggaa	ctaaatgatg	agaacacatg	gacacaaaga	68400
gaggaaaaac	acacactaca	cactacctga	gggtggaaga	tgggaggagg	gagataatta	68460
gaaaaaataa	ctgttaagtc	ctaggcttag	aacctgggtg	acaaagtatt	ctgaacaaca	68520
aacccccga	cacgagttta	cctgtataac	aaacctgcac	atgtacccat	gaacttcaaa	68580
taaaagtctg	tgtgtttttt	aaggcagaag	tcagccccta	ccttgaaaga	actttctaca	68640
tagatggcta	cagtgttact	gagcgttttt	tttttggctt	atcctgaatg	tcatgggaaa	68700
acttttaaac	tgctctggat	caagattagt	gcctgtggta	tttcatttct	cctactcaac	68760
tgttgagtt	acatgatctt	agaaattcct	tttggcata	tgatgactgt	tatcattcaa	68820
gttacatcaa	gagagacttc	tttctatgag	gagctattaa	gaccctcttt	tggacacata	68880
cacaacttca	atttacctct	aagacaactt	at tttaatga	aattgcttat	ttgtttgctt	68940
tagtccttag	attatatgat	catttgggca	gggactattc	tttgaatatt	tcctggcaca	69000
tttttgtctc	aataaagagg	aagggtgaagg	aagaaagaaa	ggaaagggaag	aaggaggagg	69060
ggaaggcatt	cttgttttct	atatcctaaa	cctataat t	tgtcaaaaaa	gaatattaaa	69120
tttgccataa	atgttaacaa	aaaataggct	ataatgatgg	ggccctaatt	caacagggct	69180
ggtgtcccta	taagaggaag	aggcattgaa	gtttgctctc	cctgcatgca	caaagagact	69240
atgtgaggac	acagcaaaag	gacagctgtc	tacaaccag	gaagaggcct	cgcagaaat	69300
cagcccttga	aaaaacctgg	gtcttgagct	ttttgcctcc	acaactgtga	gaaaataaat	69360
ttctgttggt	taagccaccc	agcctgtgg	gttttgttat	ggcagcccga	gcagactgat	69420
acaccagaca	ttcactgtat	ccaactgttt	caccataata	gcctttctta	ttttgatcaa	69480
attactgcat	caggatttga	tcttaaat t	catgtttcct	ttgcttttgt	aaatgtagct	69540
gagcatccaa	atttctactca	gtttggatgc	taacaagatt	agacagt t	ctgacagtaa	69600
tcagtgcctg	atcctattct	gtgtcttctt	ccatcaccat	cccactaaag	agcttgcat	69660
ttttgtttct	tttagccaga	tagtaaacad	ttttcaggca	ttttgaat t	tgccattgta	69720
aatggtgaaa	gattctctct	ctctctctct	ctctctctct	ctctctctgt	gtgtgtgtgt	69780
gtgtgtgtgt	gtgtgtgtgt	attaggagg	ggtggtgatc	gggatgctaa	tctatgcaca	69840
gtgacctttg	tttctatctg	gctgagcaga	tgtaggaatt	aatcattgtc	actcctggat	69900
ggtgctgctg	cagctgtccc	ccactgcctt	tctgcccctg	atagatttat	tagtgtgttt	69960
tgtttgcctga	aaagcatgcc	tcagcacaga	agaactggca	aattagagaa	gctttatctg	70020
tgagtataat	tttttggaaa	catggttttt	tctacacatc	tgtacctata	tactctgagc	70080
tctttaaaaa	aaaggaggag	gaagagagca	aagaaagaaa	aggaaaacaa	acaggtaata	70140
ttgtttctgt	aacatcagaa	cgattat t	ccagctgaga	atgttcatac	tggacagtg	70200
tcatggccat	ccaccttagg	attgcagaga	accaattgtt	ttctaacctc	tgtatttctt	70260
tttgcaactg	ccccccccct	caccacttta	actgccaaact	atcagccaga	at tttggcat	70320
actttggctc	taggcacaa	aaaataagt	gtctgggtta	cttagtgcta	aat tttttt	70380
atagtagg	tcactacaac	cttgagactg	taactaacac	tttctaggct	ccaagcaacc	70440
ccactacgta	gatatccctg	cagcctcatc	aaattcaacc	cgtggggata	ttgataccgt	70500
cctggatgga	aatcagagta	gccacacccc	tttcaatgtt	gggaatctgc	caaacaattc	70560

agtataaatt	tcctgggcct	gggctgtgta	ttttcattcc	acccaccccc	caaatcagtc	70620
agcatgccct	ggggcagaga	ctaaagagcc	gccagtgcct	attcagagtt	ggcttattcc	70680
tttctgatgg	cccatccccct	ccccgaaatc	caagaccttg	gccttagata	tcttggctag	70740
cctgggcctt	tctggtacca	cccttcactc	tctaggagct	ctgagaattt	tctgcacttc	70800
ccgacgctgc	ttgatagagt	gactcacagc	ttactctttc	attgactctt	tctgtatttc	70860
tcttcttcag	aatttctctt	ctgctgctgc	ttttagacat	ccttgcatgt	tcagtccta	70920
aatcaccact	gcttgttatt	actttcatgt	tcccaacatc	tggcatatgg	gtcttaatcc	70980
catgggtcca	cccagactca	tgaatttaaa	ctcttctggg	ctaaactctt	ccaccaccat	71040
ttgagcctca	attctgtgaa	cagttttgtc	tctaaaagcc	acatacctta	gtgtaagaag	71100
gcagattaat	cctctgaatg	tcaacttaac	agttaggcct	atctcccaag	aaagagaaat	71160
gaaaactcct	aattagtaat	gactcatttt	gatcaaataa	tcaatttttg	gaccattttc	71220
ttaaaactat	attttattgc	ctgtaactat	ttcctggagg	ataataatca	tccttaaat	71280
actatgtgtt	ttgtgaagtt	gggtctttac	ttttcgtgtc	ctaaatatgc	atatctgaat	71340
ctttaaattg	tagcttctct	ttcaagtgtt	ctaggatttc	atttgccatg	gttgggatct	71400
ctttgtgatt	tgataggttt	cgatcacatc	ctcactagcc	ttctttccaa	gccacagaac	71460
ggctctgtctt	cattcagtag	agaccctgcc	attctagttt	tctcgtgga	atttgttttc	71520
ccatatcctt	cttgagcaaa	ggtgactaaa	gccaaatgtt	tcattctggc	actttgtgag	71580
acgtgggcctt	taagctctca	aaagaagaga	aaatctcata	gttttatatg	agatatacaa	71640
tgaacaatag	taaaatagaa	atgttattgg	caagaggagt	ttttctccaa	tatccatgag	71700
taagaattcc	ttggacacat	aagataacaa	gaggaatata	cttactctgt	tttccttttg	71760
agatattctt	tacataccat	gaagttttcc	tttctaaagt	ttgcaattta	atagttttta	71820
gtatattcac	aagcttgggt	aaccaccatc	actatcta	tccagaacat	ttttatcacc	71880
tgcaaacaaa	accttgtacc	tgttagcagt	ctctctcat	ttctctcttc	ctccacacc	71940
tggaaaccac	tagtctactt	tctatctcta	tagatttgcc	tattctggac	atttcatata	72000
aatggaatta	ttgaacatgg	ggccctttgt	gtctggcttt	tctcatttag	cataatctta	72060
gcataatatt	tataagggtt	ccctgtgttg	tagcataaag	cgttacttca	ttccttttca	72120
tggctgaaca	tcccattata	tggatattcc	acattttgtt	tatccattca	tcagttgatg	72180
ctatctgttg	tttccacttt	gaggctctta	agaataatat	gctgctgtga	acatttgtgt	72240
acaagttttt	tcatgaacat	gtttttactt	atctgggtat	atacctagga	gtggagtcc	72300
tgggttatat	ggtgactgtt	taacataagt	gtagaactgt	ttttcaaagt	gactatacta	72360
tttcacaatc	ccaccaacaa	tgtatgaggg	ttccagtttc	cctacatcat	cactaacact	72420
tgttttatta	tctgcctttt	taattctagc	catcctagtg	ggatatctcat	tgtggttttg	72480
agtcgtattt	cccttatgac	caatgatgct	gagtgtcttt	ttatgtactt	attatccatt	72540
tgcttatctt	ccctggagaa	ctgtctattc	aaatcctttg	acatttataa	aaattagatt	72600
gtcttggggc	cgggtgcggt	ggctcatgcc	tgtaatccca	gcactttggg	aggctaaggc	72660
aggcagatca	cctgaggtca	ggagtttgag	accagcctgg	ccacatgctg	aaaccccatc	72720
tctactaaaa	atacaaaaaat	tagctgggta	ttggtggcac	atgcctgtaa	tcccagctac	72780
tctggaggct	gaggcaggag	aatcacttga	acccaggaga	cggaggtttc	agtcagccga	72840
gattgtgcca	ctgcactcca	gcctgggcga	cagagtgagg	ctctgtctca	gaaaaataat	72900
aaataaataa	ataaataaat	attgtccttg	aaatatactt	aaattaattg	gcctatagtc	72960
ccagctactc	aggaggctga	gggtgggagga	ttgcctgagc	ccaggagt	gatgtttcag	73020
tgagctatga	ttatgtcact	gctctccagc	ctgggtgaca	gagtgagccc	ccatctctga	73080
aaaaaaaaaag	gaagaaagag	gaagagggaag	aagaggagga	ggagaaggag	aagaagaaat	73140
gctcttaagt	caatagttct	caaacttggg	tcacattaaa	gtttcctaaa	atcctgatgc	73200
tcaggcttta	ccctaggcca	gttaaatgat	aatatcttgg	ggtaggaccc	aggcaacagt	73260
tttagaaaca	aatctccagt	tgattcta	gtttgagagc	cattgctata	gactacatga	73320
ctaagctgat	gataccaata	taaaaatgtt	aaagatttga	taatttagaa	attatgccag	73380
gtattaaaaa	tgggagactt	aactcaa	tgaatcataa	aatgccta	caggtcaaaa	73440
gatagagttg	agatttgtaa	taaagattga	taaactttcc	tataatagga	agtttcaaac	73500
cacctatagc	tagagaaaat	gtctggctgt	ggttccttgc	tagtgagcag	gaattggttt	73560

tatgaggtaa	ccatgggaga	gccaataaat	gtgagtgatc	atgacaatta	aatctttaag	73620
cccagataat	ttatgtcaat	tattcaatgt	tcattaagga	aagtgaaaaa	aaatgagtat	73680
tagctaggag	aaatggaaa	ggaggctttt	gaaaggcata	aaaagattgg	aggctatttt	73740
aagagacttt	attggaagca	tagaaaaaga	gtatctgaga	atttttaaaa	atccaatcac	73800
ataaaaaatgt	gacagtcaca	gtggttattg	tggagggaaa	atgacatctc	tcaaagaatg	73860
taaaaagctc	cccaagggag	agcagggagc	ccacagagtg	tattagggtta	agtacaaaat	73920
aggaaaaaag	actttaagaa	acactttcga	agagagtcca	aaacacataa	agggattatt	73980
taaaatctat	taaaaggaag	aagctagaat	aacagtggga	tcttttgctg	agaataaggg	74040
ggcacagggg	gtgctgaggc	accaaaagac	aatagacaaa	ctaattatgt	gcctctgaat	74100
gtattgagaa	agataaccaga	gtgatagcac	attcaaattg	cctactacga	atggatcagt	74160
agtagttaat	tcaatgggtt	tctgtgtttt	gcatatttca	agtcaggtag	gcagaataaa	74220
tactgattaa	tcactggaaa	ctcttggtgt	ttatcttgag	atctctgaag	gcctccagaa	74280
gaaatttttc	tcgtcttgcc	tctccctaaa	gccactgccc	ttgtcctccc	tctcctatta	74340
ccaccaaggc	tcctaagtgt	atagtctacc	ctagtcacct	cactttctca	tctccaattc	74400
attcttcaac	ccattcttct	aactccattg	aaaggctcatt	aaatctgact	cattgccaaa	74460
gtcattaaat	caacagatcg	cttttttagac	taaattcttt	ctagccttta	gatatataac	74520
accattaact	gtttcttctg	ttcttccctt	ctgaaacctc	ttttcttaac	atttattata	74580
tgtgaatgtc	ctggttttac	ctgtctactt	cttgctagct	accttccactg	gctccagaat	74640
tacttacgta	tttctctttt	ttgttttttt	tttttaaggc	tagtcaagtg	aagcagtggg	74700
aatggagaag	gaacacagaa	atctgttaact	ggttgtgatc	aattaattgt	agacactact	74760
gacttcagac	aagccttacc	tatttaattt	tggtaacact	ctgggttcca	gtctcgattc	74820
acttcttaca	ctatatcctt	caccttgttt	taacctctcc	tgtgacatat	cctagtgtcg	74880
cctctcttcc	catttttctaa	cttcatgggt	gatatagtca	tatagatgtt	tcacagttta	74940
ttctgatcca	gtaacaaaaa	ccagattaat	atcttaccag	caaacttgct	cttcctttgt	75000
gtaattcctg	tcgtgggttaa	tagcactacc	atccacccgt	tctcattctg	gattcctttg	75060
tctccctaca	catccggcta	gttaccagggt	tttagatat	taacctctga	aatgtctttc	75120

aatcttttct	attgtccatc	tccattgccc	aaccatagtc	ttcatttggt	tttcatctgg	75180
actattgcaa	tagtccccta	actcatcttg	ccgacatttt	cagctactga	tctcttgcca	75240
gcattttttt	ttccccaac	acaatctagt	tttaaaatac	agacttctac	tgcttacata	75300
actccttagg	taagtattta	aggctttttg	tagtctggcc	ctaacataaa	atatccactt	75360
ttccccttga	aattaagttg	tgcccctggc	gtacatgaga	atggccattc	cttgagcaca	75420
ccatgcacat	tcctcaccat	gtctttgttc	atgctcttcc	ttgtttcaca	actcttctca	75480
tttatcacct	gacaaactcc	tatctatcct	ttaagacaaa	tttctgtctc	tcaaaatgtg	75540
ggccctgggc	cagagcagca	gtatcacctg	ggaacttggt	agaatacaac	ttcttggggc	75600
cccactttag	actctgttta	atccaaaact	ttgtgtgata	aggaccagca	atgtgaattt	75660
taacaagctc	accacatgat	tctgatgcat	tctaaaattt	aagaaccact	gttctaggga	75720
acaatttttt	tatcaatggc	catagcactt	tacacatacc	tgtattactt	actgcattat	75780
ttaataacca	tgtttactta	ttcacttatt	tatctgggtc	gctaagttgt	gagtccccag	75840
agtcaaaatac	aatgggtgctg	tgttctgaca	cctgccatag	tgtctagcac	ataacaagtg	75900
cttgataaga	attcagcata	ctaaaatata	cccccttccc	tccaggattc	agtctagcta	75960
gagtaaatag	agagggcaag	atcaaatggg	gtccaaggca	tctactctta	aaggctcgata	76020
tacaccacac	aaacaaaaag	cttacacact	gacaataaca	aatgtcagca	aagtaataac	76080
caacgggtac	taggcttaat	acctgggtga	taaaataatc	tgtacagcaa	actccaatga	76140
tactaattta	cctatgtaac	aaatatacac	ttgtaccctt	gagcttaaaa	taaaagtttt	76200
taaaaaaaata	aataaagcaa	atgtcagcaa	ggatgcagag	aagctgaatc	tctcatacat	76260
tgctgatgta	cctactctgg	aagacacttt	agaagtttct	tataaaaatta	ttccctcact	76320
gtgcgattca	gcagtttcac	tcctgtgtat	ttaccgtaga	gaagtaacta	tgatgtttca	76380
cacaaaaagc	tgtatgcaaa	tgtttttttag	cagctttggt	tgtaatagtc	aaaaactgga	76440
aacattaaca	atcaaaaaag	aaatcaagaa	aacaattcca	tttgtaatcg	catcaaaaaa	76500

tgaaaacttg	ggaaaaaatt	ttacctaaaa	gatgaaagac	ctatacactg	aaaactataa	76560
aacactgatg	aaataaatga	ggaaggcaca	aatcaatgga	aagatatccc	atattcatgg	76620
attgaaaaaa	tttatattgt	taaaaatagcc	atactacca	agcaatctac	aaatgcaatg	76680
caatcttacc	aaaatttctga	tggtgttttt	cacagaaata	tgaaaaaaac	taaaattctt	76740
atggaaccac	aaaagacccc	aaatagccaa	aacaatcttc	accaataaga	acaaagctgg	76800
aggatcacc	ctagcctatt	taatttcaaa	atctactata	aagctatagt	aatcaaaaaca	76860
gcatgatgct	ggcataaaaa	cagacaaacc	aatggaacag	aatagagagc	ccaaaaataa	76920
atccatccac	ttacagtcag	ttgatttttg	acaaaagtac	caagaaaaca	caaaagagaa	76980
aggacagcct	cttcaataaa	tggtgttggg	acaactatgt	atccacatgc	aaaagaatga	77040
aattatgcct	gttacccccag	cactttggaa	ggccaagggtg	ggccgatcac	ttgaggtcaa	77100
gagtggagac	cagcctggcc	aacatggtga	aaccctgtct	ctattaaaaa	tacaaaaatt	77160
agccagggtat	ggtggcatgc	acctgtaatc	ccagctactt	gggaggctga	ggcaggagaa	77220
tcatttggac	ccaggaggca	gaggttgtag	tgagctgaga	tcgcaccact	gcactccagc	77280
ctgggcaaca	gagagagacc	ctgtcttaaa	aaaaaaaaaa	aaaaaagaaa	ttggacattg	77340
gacccttata	ccatatacaa	aaaatccact	caaaaatgaa	ttaaaagctt	aaatgtatga	77400
cctgatactg	taaaaactat	cagaataaaa	cacaggagaa	aagctcctgc	cattggtccg	77460
ggcaatgatt	ttttggttat	ggccccaata	gcacaggcaa	caaaacaaaa	catagacaaa	77520
tgggattaaa	ctaaaaagtt	tttgcacagc	aatggaaaaca	ataaacagag	tgaagagaca	77580
acctacagaa	tgggagaaaa	tatttgcaaa	ccatacatct	ggtaagggggt	aaatattcaa	77640
agactataag	gaactcaa	caatagcaag	aaaacaaata	atccaataaa	aagtggacaa	77700
aggacctgaa	tagacacttc	tcaaaaagaaa	acatacaaat	gtccagcagg	tatatgaaaa	77760
aattctcaca	tcactgatca	tcaagaaatg	caaattaaaa	ccatgagtta	ttagctcata	77820
cctgttagaa	tggctcttat	gaaaaagaga	gatagcaaga	gttggggagg	atttggagaa	77880
aagggaaccc	tatacactat	ttgtgaggat	gtaaattagt	acaactatta	tggaaaacgg	77940
tatggagggt	cctcaaaaaa	ttaaaaatag	aactatcata	taatcaagca	attctacttc	78000
tggtgtgtga	tctaaaggaa	atgaaatcag	tgtatgaaag	agatacctgc	actcccattg	78060
tcactgcaac	attattccca	atagccaaga	tatggaacca	acctaagtgt	tcatttacta	78120
atgaatggat	aaagaaaatg	tgagatatat	atgtacacat	acacacacac	gatggagtac	78180
tatttagtct	taaaagaagg	aatcctggca	tttgcaaaaa	catggatgaa	cctggaagac	78240
attatgctaa	gtgaaataag	caagacatag	aaaaacaaat	actacatgat	ctcacttaca	78300
tgtggaatct	aaaaaaagtt	aactcataga	agcagagagt	agaatggtag	ttgccacaga	78360
ctagggtgga	ggtggttgac	agaaaatggag	agatgttgg	cagatcaaa	agcacaaaag	78420
tccaggtagg	acagataagt	tgtggagagc	tatacagtat	agtgtctata	attagtaata	78480
acgtgttgta	tacttgaaga	attccaagag	agtatgtctt	aaatgttctc	accataaaaa	78540
aagataagta	tgtgcagtga	tggtgttgga	ttaaattgat	ttaaataatt	taattatttc	78600
acaatatata	caaatatcaa	aataccatgt	tgtataccat	aaatatataa	tatttgtcaa	78660
ttctgcctta	ataaaagctg	gagaaaaaaa	ctggaaaccc	aaatatcctt	caacagggtga	78720
atggataaac	tgtgggacat	ccatacaatg	gaatactatc	tagcaataaa	catgggacaa	78780
agtattgata	gatgcaacaa	cttggatgga	gctcaagggc	atatgctgcg	tgacagatgt	78840
cagtctcaca	agcttacaca	ctgtaagagt	ccagttctat	acaacattct	taaaagacaa	78900
atttatagt	atggagaatg	ggttagtggt	tcctaggagt	taggttgggg	aagcgtgtca	78960
ctataaagga	tagcatgaga	gagttgtgtt	tataagtgtg	tatgtgtgat	ggaacagttc	79020
actatcctga	ttatgatggt	ggtttcgtgt	ggtgaatttc	atagaaatct	atatatgtga	79080
taaatttcat	aggactacac	acacacacac	acaaagtgca	cataaaaact	ggtgaaattt	79140
aaatagagcc	tgtagtttat	ataatagtat	tgcactaatg	tcaatttcct	gattttgatc	79200
atgaactctg	gttatgtacg	atgttattgg	ggaaagctgg	gcgaaggata	cacagggaact	79260
ctctgtactg	tttttgcaac	ctcttgtgag	tcttaataaa	tttcaaaatg	aaaagctttt	79320
gagaaaaata	aagcacaggg	atttctgaca	aaagctaaat	tagaaagcac	tgcttgacat	79380
aatgctaaaa	caggacccag	gaagtggaga	gctcactgcc	tggtggagggt	gggaaagggg	79440
taaagggaag	tggagattct	tgccttgaag	aacatttggt	agaacgtggg	ccaggcctct	79500

caaacaggtc	actcctggct	tggggaggag	ctaatactaa	ggtggaaagg	gaaatgaaag	79560
cttacttctc	atcagcttcc	catatgggga	agggggccgg	aatctctcct	caataggcct	79620
ccattttctc	aatagggaaa	acggagagaa	ggggaaaagg	gttcctcttt	aacaatggtc	79680
acaaaagggtg	atgtgtgcag	tgaaaagatta	aatgggtataa	gaactcaggc	tctggaatca	79740
aacccagcct	caaatccagt	ggcttgattt	tctattgaac	tttgctatac	cctgtttctc	79800
tatttaaaaa	caggggtaat	gatactactt	aactctgaaa	gctgattaca	ttagattgtc	79860
tatgtagagc	acttagcaac	cacctagcac	atagataatc	agtgttggct	actcttttta	79920
atactattct	atgccattac	caattttcta	agacgtaaca	ataatacact	cagatgattc	79980
tgaccataat	gtaatttttg	attaaaagttt	cttcaggatc	cttcaatgct	tccaactcat	80040
aaattatatac	agccctcagt	ccctatatata	gtaaaatacaa	tttaaattaa	aatagttggt	80100
acttttctatt	acatgtcttt	tatgtgcttt	gcacttttaa	tacactattt	ctaaccttta	80160
tagcatgcag	gataaatact	attttcccca	ttttcagatg	aggaaactgc	ttcagagtgg	80220
ttaggcaaat	ctccaacatc	tataaacaac	acagtaaacc	taggcagtct	gatggcaaag	80280
cccaagctct	ttccactaca	ctgttacctc	agtagtaatc	cataaaagat	gcttaaacac	80340
atacatattg	tctattagtt	gttcttttta	catcacatta	catgggcaga	ctctacaact	80400
cctgccacag	cctggcgag	acacttccag	gccattgctg	aagccagtgg	agacaccaga	80460
cgatgacaga	aaccaagaac	ccaaagctga	ttgtagcaag	aattcagtct	ggagttcagt	80520
cagtagataa	atccgagagg	catcatggaa	attgtgccaa	ggtccaagg	tcaagccagc	80580
agtcagaatc	taaaaggggca	ggcaaaaccc	agcaggaggc	tctgcaggct	ctgtgcccc	80640
cgggagattc	atggcttcct	ctctgtctcc	tcttgttgac	actgccggct	ataaatgggg	80700
gctttgtgga	tcctcagttg	aggaggcagg	tgaaaattct	tggcctacca	gcactactac	80760
aggacgttag	aaactagggc	agggaagacc	tgggtcttca	ttaatcagtg	tgatgaaaac	80820
aggccccagg	cagttgggtc	cactagtggg	aagtgaagaa	acactgaagg	aaaccaggag	80880
tcaggacatc	tggatttgct	gtcccaacat	ggtccctatc	tggcgataaa	acagcatgca	80940
aatttcttca	tctaaaaatg	aaggaatcag	gtcagatcac	tgattttcaa	actgtgttcc	81000
tcagaaccca	aggactccag	tcctgctgtg	gagagatagg	tgggagcaag	caaggccttc	81060
ctgtacagca	cgcttccttt	catctcttcc	aagtactgaa	ccttctaatt	ctaattgattt	81120
attcagcgta	acaggcatth	aataagtttc	tactaggctc	ggggccttgt	agaagggtgct	81180
gatggggaca	aagctgagta	aaaccagtc	ccaacatcat	gaattcctag	attctggcctt	81240
aatgggggaa	cattccagca	gctgtcactg	ttcaggattc	ctctcagatt	ccaagataca	81300
ccaaggcccc	gagttctgcc	acagaattga	agataagaaa	gagaggaaa	aggccgagtg	81360
cagtggctca	tgcctgtaat	ctcaccactt	tcggaggccg	aggcaggcgg	atcacctggg	81420
gtcaggagtt	tgagaccagc	ctgaccaaca	tggagaaaacc	ctatctctac	taaaaataca	81480
aaataaattg	ggcatagtgg	tgcacacctg	taatctcagc	tactcgggag	actgaggcag	81540
gagaatcgct	tgaacctggg	aggtggagggt	tgcggcgagc	cgagatcgcg	ccaccgcaact	81600
ccagcctggg	caacaagagc	gaaactccgt	ctcaaaaaaa	aaagaggaaa	gaggaatctt	81660
ccccagtatg	gcaggcaatc	tttcctgcct	caaggagatc	aattttacatg	tcacctggaa	81720
gcccataata	ttctgcttta	gcagtgactc	cttgtgattg	gatgtttcct	atggccaatt	81780
gtgcctgtgc	ttcatgccct	acttaaaaatc	aggacatctg	ctctgccctt	ttggaagagc	81840
tacaagtctc	ctgccaggaa	ttgctcaagg	ccttttctctg	cagctaaacg	gagaaaggaa	81900
gttgaaatca	ttgcctcata	aattacaaca	catgccaggg	ttgtaaccta	gagtctgagg	81960
ttctaggcga	aaagaggatt	ttgtgtgtgt	gtctagtgtt	ttccccacag	catttaaaag	82020
ctcatctaaa	atatattata	attgcatgag	atatggcaaa	aatacattca	gaaactaatt	82080
ttttgaagat	aaacaaacaa	agcagaatgt	gcccataata	ttcctaagta	aagccacaca	82140
aacttccttt	ccagtaaggg	tatccttttg	ggctttttcc	ccctccttgt	caccaactta	82200
tcttgaattt	atcactatgc	tttttacta	ttgttcctaa	acttcagctg	ttatataatg	82260
agatagtggg	catttagtct	tatatccaaa	tttccatatt	tcagctttta	aaatagttgc	82320
aaggatgctt	ttaaagttga	tcctggccag	gagagggtggc	tcactcctgt	aatcccaact	82380
ctttgggagg	ccaagatggg	aggattgctt	gagtccagga	gtttgagacc	agcctgggta	82440
acaatgagac	cttgtctctg	caaaaaaata	aaaattaact	gggtgtgatg	gcatgcactt	82500

gtagtgccag	ctacttggga	agctgaggtg	ggaggattgc	ttgagcccag	tagataaatg	82560
ttgcagtaag	ccaagatcat	gccagtacac	tccagcctag	attagagagt	gaaactctgt	82620
ctcagaaaatt	aaattaaaatt	aaattaaaaa	gttgatccta	gcaaaactaac	accggaacag	82680
aaaacccaac	accgcatgtt	ctcactcata	agtgggagtt	gaacaatgag	aacacatggt	82740
cacagagagg	ggaacatcgc	acaccgaggc	ctgttggggg	ttgggggcaa	ggggaggggag	82800
agcattagga	caaatactta	atgcatgttg	ggcttaaaac	ctagatgatg	ggttgatagg	82860
tgcagcaaac	caccatggca	catgtataac	tatgtaacaa	acctgcacat	tctgcctatg	82920
tatcccagaa	cttaaaagtaa	aataaaaaaa	gaaagaaaaa	aaaagttagt	ccttaggcct	82980
gtttatagtc	caagggagct	gtgaatgctg	aaatttgtac	actgtcaatt	tatatgtata	83040
ttcacatatt	aatatctata	gtacacatag	attcaggaat	gtagactttt	gtcaaatggc	83100
ctagtagata	ctgataaaaac	aacttctaata	attaaattaa	aattttattc	tatttttaaag	83160
aaaaagaaca	aataagaaaa	tcgtctttgc	aatgaaaagg	tcagaaacca	aggatgtggt	83220
gtcctaatat	gctgatagca	gagattatat	ctcctttgcc	ttcctatcac	tggttcttaa	83280
taccttggca	agttagtatt	taggaattgt	tgaattaatg	tttggcacat	gaagatcatt	83340
aaagcaataa	ctcataaaagc	atggggaaaa	caaggtcatt	tgctaaaggg	gaatttgggg	83400
gcacgatatt	tagcaagtct	tctttcacac	ttatagctaa	atattttgtt	tatttgatta	83460
tttgattgat	ttgggtgtaa	attctatttg	acctctggta	aaccaagtca	gcctgccctt	83520
cctggttaag	aaagagagac	agaaatgcaa	agtgtaacca	gcttattaat	aagccgagga	83580
tagagaaaag	aaatttgtct	ctgggctggg	agcagtggct	catgcctgta	atcctagcac	83640
tttgtgaggc	cgaggcaggc	gggtcacttg	agcccaggag	tttgagatca	gcctgttcaa	83700
catggtgaaa	ccccatctct	actaaaatta	caaataattag	gcaaggatgg	tggcatgtgc	83760
ctgtaatccc	agctacttgg	ggtggctgag	acacgagaat	cgcttgaacc	cgggagggtg	83820
aggttgcagt	gagctgagat	cgcctcactg	cactccagcc	tggctgcact	ctagcctggg	83880
caacagagtg	agactttgtc	taaaaaaaaa	caaaaaacaa	ctgtctctgg	cataacttga	83940
gaagggagaa	gctagaagag	acctttgggt	tcatcaggtc	caagcactgc	taaccattca	84000
gctattctgt	gggcagaatg	tctttgttct	tccagggtgca	acttcagcag	ctgtgggcct	84060
gaactgacag	tgcggggtaa	ggatatcact	ctctccatgt	gaaacaaagc	aggactacag	84120
gaaagcaggc	tgatttggaa	aggccaggcc	caccaggac	aagaggcagt	gctgagtgtt	84180
tggctcatga	caaaacataa	tttacaaatt	tactggcttc	aaggatgtaa	aaagttataa	84240
tttactggct	tcaagggtgt	aaaaaggcct	gcttcctagc	ctagctgcaa	gcagcaactc	84300
agtccatgat	cagcagattt	tctgaagcct	gggggtggga	tgcattgtgt	taacctctga	84360
tgcagatgtc	tgctgagagt	ctgtaatctg	tgtggtcatg	aagatgagat	ttcatccatc	84420
aattgcttga	caagggctat	catcgtatct	ctgggcctgc	gtggctctca	acacacgacg	84480
taagaaacat	attggacaaa	agcatttcct	gggagaattc	tccagcaaga	attcagccat	84540
tggcaaagaa	tctttcaagt	ggccctatct	cactggagac	aagtaaacad	atacgcagtg	84600
catatgtgaa	tatacactcc	ttcaagggtg	tgcactttcc	tagaaacaaa	aagaatgaga	84660
ggaaaaagct	ttacaggcat	cctgttagga	tgctttctct	cgtttatatt	taggctcttt	84720
tcagctctgt	gctaagaggg	gaggcaaaag	aagggttac	ccagaatgca	aagcttttta	84780
gtgaggggtt	gggggtgtgca	aatgtgttaa	agtgggtgaaa	accagtggtc	tatggaagtt	84840
cacagcatcc	acagcactca	gagcccccca	aatatctctg	gcccttgtgt	tcactaattc	84900
caaggaattc	tcagccattc	caggggactg	tggggatccc	cctgaaacca	ctacaattac	84960
ccagaatgtg	cccctcctaa	cacataggca	ttgaaccagt	tcctaactct	cccccaactc	85020
tcacagatct	ctagtacttt	aagagccata	tggcacacat	gcttagccct	cagccttctg	85080
cctaataggg	gagtgtcttg	ccagggaaaa	ataagattag	ggaagaggac	aaagaaagaa	85140
gaagagaagg	agtttccata	tccattaatg	aattcattca	acagatgggt	atggaacact	85200
taccattttc	caaagaccgt	actatggtgt	gggttataga	ataagaaaca	gcctggcttt	85260
tgaggagtag	aaactgtccg	gtggaactaa	cattaaaagg	tggtaatata	acatgacaat	85320
tgtactgatg	cacatagacc	ctgggggtgt	ttagggacat	agaggatggc	accaaacctt	85380
gactgagggc	atcatccaga	cagatacatg	ctcttgtttc	tgtgagtcct	gtgaggtgag	85440

tcactcacia	agaaaaatgta	aagaaataac	tcagaataaaa	taaaaagata	gatggcacag	85500
taagcttggc	agattgatgt	tggagaacgt	cagtttttgg	ggcaacaatc	tgcaaggttg	85560
tctaattttc	tcctgcacca	ctcggctgcc	cggatgcaaa	agcagacaat	ggattgtggc	85620
tctgatctga	gtttttattgg	gcagatgctg	cagaagggct	tgtttgaaaa	gggaatagga	85680
tgttattgag	agaacagttc	agatgaccaa	ccagggatct	gaaatttaggt	agagacagta	85740
agagagactg	ataaactatg	aggaagcaaa	agaaccaagt	gactggagggt	ctataggctg	85800
tcaatgtaca	aatgtggcag	gagtaagcac	atgagagggc	tggaggatag	gatgctcact	85860
catttattcc	tcagatgttt	attgagtgcc	ttcagtgtcc	aggtagtggt	ctagtcttga	85920
gagtacatca	tgcaaatgc	tattgggagg	agaaaaaat	aaataaaaatc	ataataataa	85980
acaagtaaat	tatgtaatat	gttaaaaagg	aataagtact	atggttggat	gggggcaggg	86040
gaagagaata	gagcagaata	agaattcaga	attccgagga	taggggtataa	ttttaaatag	86100
ggttgtcatc	atagctctgg	ttgagaagggt	aacatatgaa	cacacaatca	ggagagaaaag	86160
aggatgagct	atgcagatac	atgtattgaa	atattccagg	cagagagaac	agccacttca	86220
aagcctcgca	gtgtgtgagt	gcctgggtgtt	ttcaaggaaa	agcaaggagg	ctgtgtggct	86280
ggagtggagt	gggcctggag	aagatgtaag	aaatgagggtc	aagaaacaac	agggatcgag	86340
tgtgtaggct	ttgtagactc	tggtaaaagac	tggctttccc	tctgggaaat	agagagtcac	86400
tgtggggttt	tgagcacaga	agtgtatgta	tcttatgtct	ctttaatgga	ttactctagc	86460
tgctatgttg	aaaaatagact	tgagggaagt	gccagggtag	aagcaggggag	accagttagg	86520
aggctattgc	aataatccaa	ataagaaatg	caaagtaaga	ctttgatcag	gtggtggcag	86580
cagagggtgg	gagaaggagt	tagattctgg	atgtatttcg	aggatagagc	caacaagatt	86640
tatgacagat	tggatgtggg	tagtgagcaa	gagtcaggat	gactccaagg	tttttgggtcc	86700
aggcaaatg	aaagggtggag	ttgccattat	ctgaaatggg	gaagaagggtg	agcaattgag	86760
agggagactt	ggagttaaat	tttgaacaga	ttgtagtcaa	attgggtgtg	ggatattgggt	86820
gtttacaatt	cctgaagggg	aaccattctg	agtgacccta	agaccagag	tgtaacctgg	86880
ggatgggtgt	ctgaagagga	ataaagttaa	atcattatga	ttgaataatt	tagaactctg	86940
gaggctgaaa	agctaatagaa	atctcctagg	atgttctacg	aggatgggtgg	cccaggcacg	87000
agagtagggga	acgggggtcag	gccttatgat	ggatacttta	aatacaaaata	gttagagggtc	87060
acactaatat	tagcttgagg	tgtgcagaat	tttaattggg	tgcagattag	tgtatacatt	87120
agaaaataagc	aagatatata	aagatcaaat	ttgtgaaac	acatcagata	acattatgat	87180
aaagggtattt	ggagttttat	ttgagttaga	tttacaatcc	cattgtagca	tggatcaaaa	87240
acagtaagtt	gataaaagaaa	tcagataaat	tttcacaatt	taaatttttaa	ttgttttatt	87300
aaaaagcatt	ttggaaagac	attcatattt	ggttttggat	aggttaaaagc	tcagtgtatc	87360
cattttacatc	aatttttata	gcatttttaga	gagcatgggtc	ttgtgacatc	ttaggataag	87420
ttttctgtta	gtcacagcat	gccacaaggt	accttgtgct	ccattctctg	gccatgtttt	87480
cagactcagt	aacttcaaata	aaaataaact	gccaaagtga	gaaattaaca	tttgataaag	87540
tttttgcaac	atcataccat	tgagctgggtg	gatgtggctt	aagcatctga	attcattaga	87600
gactattgaa	atgataatgc	agaattatac	aggttttgca	gatgtagtgc	aatattttatc	87660
tatatgtatt	gaaacctcac	ttgaggatag	aaaaatcaag	caagttcttg	tcttacattt	87720
ccactcaata	aatgaagagg	aagagataat	gagaaaagcta	tataatcctt	taaaaaaaaa	87780
attcaccttg	tttctgactg	acagtaaccc	aattcagggt	ttttactctt	cataaatgga	87840
agacaagtaa	cctagatagt	actggctatc	tataattaaa	tatacaatat	tgaaatctat	87900
ttgctttgtg	gaaattatgt	gtttgtggct	gattaaaata	ttcagctatg	taggcttcat	87960
cttttagctc	aatagaaaaa	tataaatgac	attgggtgact	gaattcctac	caacgtggca	88020
aagacattcc	ccagacatac	ataattcacc	tgctgaattg	gagatgattc	acctttcagt	88080
gacttcacag	gtgttaactt	ggccaaaaca	aaaaggga	tcatcttgta	ttcatctttt	88140
gttccctgag	gcaagttttc	agtaagattg	ctcgggaaaa	atatcacaat	atacatatat	88200
aagtccatag	tatgtctatt	tgaataatga	attagcacca	ctgtctgaga	ggtgaaaact	88260
attcaatgta	tattttctgg	aaaataacta	aattgagttc	ctcttaacta	aatcagaaaag	88320
agaaggaatc	ctcaatcagg	atttcatgta	gtactgtatc	actcaaagga	aaactgattg	88380
tatagtggta	ctcaataaaa	gtgggtccaa	agaaaaatta	tgagagaaac	gtaccgatca	88440

gtgatctgga	ccaaacagac	atgtggctgt	gaaatccagg	cagttgcttg	gtgacgaggt	88500
caccatcaga	tagtcatggc	ttatgtgcag	gaatgtgaga	atggccatgg	ggaggaatgg	88560
cctgggttat	gggtccttgca	ggagtcccac	tgcttgtgcc	attgctcaaa	cttctgactg	88620
ccctgtgcag	ccggtgccag	gtcagcagta	ctctctgctc	tgaatcagtg	tcagcactgg	88680
tctctctaata	gtagtacctt	tcttcaaaaa	atgctttgtg	aagctgctgg	ttagcactgt	88740
tcttactttct	gtagttaata	ttcaccacat	attccccttc	ttttgtggag	agataaagaa	88800
attaaggaaa	atcactctcc	ataagtccac	aatctgaaga	catggaggct	gaggaggcag	88860
acctgaatga	ataagtggat	catatgatag	ggctagatct	taaatttgga	tacaggagac	88920
ttaaggtaaaa	ccacagaagc	ttgttgttta	tacatgtagc	tcttttgcta	aatataaatg	88980
tggcatgtga	agattaataa	atctgaatgt	aatgtacaga	atgtactaga	acaggaaaaa	89040
attggtgttt	actgagagct	gaaggttaca	tcaaaaaatct	aaaaagtaat	atTTTTgcat	89100
catcttaaaag	tttgcaaaaca	gttttggcac	atacatcatc	tcatctttgc	aataacctgt	89160
ggggtagata	caaaagatga	tgttattttc	atTTTccaga	tgaggaaata	ggagcctggt	89220
tcctggctcag	acaggcttag	tcagctgtga	gtggcagagc	tggtgttccc	acctgttacc	89280
ctcaacccca	gttccattgc	tcctaacatg	attgtatcct	ggataaacat	ggtatcaaga	89340
atggagaggc	caagcgcggt	ggctcacacc	ggttatccca	acactgtggg	aggccgaggt	89400
gggcggatca	cctgagggtca	ggagttcgag	accagcctgg	ccaacatggt	gaaaccccat	89460
ctctactaaa	aatgcaaaaa	ttagatgggt	gtggtggtgc	gtgcctgtaa	accagctac	89520
tggggagact	gaggcatgag	aatcacttga	acctaggagg	tggaggttgc	agtgagccga	89580
gattgccccca	ctgcactcca	tcctgcacaa	tagaacaaga	cactgtctca	aaaaaaaaaa	89640
aaaaatggag	agtgaatttt	gggaggctga	ggcaggcaga	tcacttgagg	tcaggagttt	89700
gagaccagcc	tggccatcat	ggcaaaagcc	tctctctact	aaaaatacaa	aaatcagcct	89760
ggcgtggtgg	tgggcacctg	taatcccagc	tgctcggggc	tgaagcagaa	gaattgcttg	89820
aacctaggag	gcagagggtt	cagtgaacca	agatcatacc	actacactcc	aacctgagca	89880
acagagagag	actctgtctc	aaaaaaaaaa	aaggatggag	agtgaagagaa	aactcagaga	89940
ctttgaaata	agaagtgaag	gaggccgggc	acagtggctc	acacctgtaa	tcccagcacc	90000
ttgggagacc	gaggcaggca	gatcatttga	ggtcaggagt	gcgagaccag	cctggccaac	90060
atggtgaaac	ctgtctctac	taaaaacaca	aaaattagct	gggcatggtg	gcgggcacct	90120
gtaatcccag	ctactcggga	ggctgaggca	ggagaatcac	ttgaaccagg	gaggcagagg	90180
ttgtggtgag	ccaagatcat	gccattgcac	ttcagcctgg	gtgacagagc	aagactctgt	90240
ctcaaaaaaa	ttaaaaaaaag	aagaagaaat	gaaagaaact	tggcaattga	ttgggtgttt	90300
ctgataaaga	aacagaagaa	ggaaaaaggtg	attcctaggt	ttctaaaacc	tgggaagaggt	90360
ggacagtgag	attataatat	aagcagctga	tggttgcaac	atgcctacta	tgtgccaggc	90420
catgtgccaa	gcattttgcc	atattgcctt	attaaatcct	tacaactcct	tgaaggtaga	90480

tcgcataatt	attattctca	ttttagaaaa	gggtgtgcat	gaaagttgct	ctcactttta	90540
gaaaaagaaa	aaaatcttcc	ctccaaaaca	aggctaagct	caactggatt	cactggccta	90600
tgctgacagt	acctggggcc	tgggacagtg	gtttggtgtt	cttgtgtgta	tggatgtatt	90660
acaatgtcag	acacaaaagta	actaagccgt	gctcctggcg	gttatgatgc	ttgcaaatcc	90720
agcactgccca	aactgttttag	tgccctcctag	gtgctttgcc	tgtggttaga	acaagcttca	90780
ctaagtggat	agttttgcct	tggccctgcc	tttaaggcag	tctgccatgt	catcaagaga	90840
cataggtaag	aatgctctcc	tccttagtta	tgatttaaaa	ataaaaagtat	aacaaagtat	90900
aattatcaaa	tgactattag	tagaaatgtt	gcattttatat	acactattta	gattacaatt	90960
cttaaaataca	atgtctttcc	ttcttgttac	ttgtaattaa	ttagtatcag	tcactgtcca	91020
gtgtgagcct	ggcattgccc	ttaggttaac	cagttcacat	cctgaacttc	tgttggtgcc	91080
cagggtatTT	gtctgaaacc	ctgattatTT	acatctccct	ctaactttca	aatTTgtctc	91140
caatctcatc	taaaactatt	aatacttgag	aaaaggcctt	tccccaattt	cctgcttcta	91200
atccccTTTat	cctcttttctt	tcttggaaaa	gtagaggaaa	atggTTTtaca	tatcaaataa	91260
agtaaatagt	atatgaaaaa	aaaaaaacct	ctaagggtc	caaactctgt	ggatatctac	91320
ctgctggTTa	tttattcact	aagctgcaca	tagcaatccc	ctagcaacca	taaacttcat	91380

gcataaaatc	ccaactcttc	tccaataacca	cctgtttgta	ggtagtcatc	cttcttttaa	91440
aagacttggg	agttatacaa	ggaataagtg	ccagagttaa	gttctttgtg	aaaataaatt	91500
taaagaaatt	ataagttttc	acagggtgt	aaagatgttt	cttcccagtg	gtccttcact	91560
ccaaggctgc	actggagatt	atgctggtag	ggaagctttg	gtctcgtagg	tctttggccc	91620
caaggcaaaa	ggtcattggc	gtaagtgtct	ttcttcctga	tcccccttag	gatttgtgaag	91680
atgtccagtc	ccaatctgaa	cattgtgacc	ttactgggca	gttgtctcac	ttacagtagc	91740
gcttacctct	ttgggattca	ggatgtttta	gtggggagct	caatggaaac	tctcattcag	91800
gtaggtgaag	ttttaaaatt	tggttttgac	tataaagttt	tgattatttt	tttaaaccag	91860
ctgctcccg	gggtgggtgg	ttcctttatc	cttgagtggt	gcacttttcg	agggaatccc	91920
agaacacttg	gtgaggttca	ctctgtacct	cgtgcgctct	gtgggaccca	gaccctacag	91980
atcagagtgt	gtggagaact	gataaagggt	cctcttgtga	ctcttctgtc	cccttccacc	92040
catagacaag	actgtccatg	ctgtgcattg	ggacctccct	tgtgtttggc	cccattctgg	92100
gaaagagctg	gcgactctac	aagggtgtta	cccaaagggt	cccggacaag	agagtgggtga	92160
gtaggcagca	agtacacaat	gcttgactgt	agatggtagc	ttcagcattg	gttaacagct	92220
agagaagctc	atgcacatta	ctgagcctag	cccccttcag	gacatccaaa	gttcctgttt	92280
ctcattccaa	accctggaat	catgcagcct	cataaggcct	caggtctgga	aggctgtgga	92340
tcagtgtgt	tgaagatagg	gcttcaaacg	tgggctctgg	ttcctatgta	ccccaggccc	92400
tgtggggaca	tgtgagctgg	ccaataacctg	gcaccagtgt	gaggcagaac	aagataccca	92460
gagactgttg	tttggcacag	gtgcgagctg	gaagtgaagg	gaggaagagt	gattacagag	92520
aaactatagc	aagtaagtag	ttatttcctt	ccctggagtc	cagttctttt	ctatgtagaa	92580
ggcagttctc	tgtactgaga	aggatgtgcc	caaagcagtg	agcaaggaag	agcagataga	92640
atcaactcta	agttatgtag	cagccagatc	accgacatgt	ccctgggtatc	agtcatcaac	92700
ttaaccacat	ttccccattt	tatcaggttg	tctgatgaga	ctgctcaaac	ctcaattcct	92760
gaccattatc	ctcattgggt	ataggccctg	cccagaccca	atatatcatt	cagttgggtg	92820
ttacttctct	ggaatgatgg	gaatttatatt	tagcaaatgt	tattgaaatca	tggtgcatac	92880
ttacaaaaag	ctcagctgtg	agcaaccata	cctatgaaga	agattgccta	aaaggacaaa	92940
aactgcattc	atccctcaag	aacaccaatt	tcttttttaa	acagctttac	tgaagtataa	93000
ctgacatgca	gtgaactgca	catatttaaa	gcataatgatt	tgataaattg	tgacatggat	93060
atacaaccaa	gaaacatggg	gcataatgaa	catatccctc	atcttcaaaa	gcttccttgc	93120
aaccctttgt	tatctccctc	ccctgtccaa	tccttatatc	ccttgttcct	atcctcagaa	93180
aatcattgat	ttgctgtcac	tgtagatgag	tttgcatttt	ccagagtttt	acataaatgg	93240
aaccatgcag	tatggactct	gttttctctg	gcttatttta	ctcacataat	tgtttttatg	93300
aatattatag	ttatttatct	atgttgtgtg	catcaatagt	tatttctttg	ttattgctga	93360
gtagtattac	aatgcataga	cacaatttgc	ttatctgtag	atggatgttt	gggttatcgc	93420
cagttgtggc	gattaaaatt	aaagctgcta	tgaacattcg	tgtacaaagt	ctttgttttag	93480
acataggctt	ttatttctct	tgggtgaaaa	cctaagagta	tggttggatc	atatggtaag	93540
tgtatattta	actttttaag	taacagtcag	actgtttttc	gaagtgggtg	taccattctg	93600
catttccacc	agcaatgtat	gagagtccat	ttcctccaca	ttcttggcaa	catttgattt	93660
gatcagtcct	tttcatttta	ggcattctaa	taggtatgtg	tggtagtatc	tcattatgct	93720
ttcaaatttg	catttctcta	atgcagttat	gagcatttct	tcacttgctt	atttgccatc	93780
catacacctt	ctttggcaaa	ctttctgttc	aaatcttcca	cccatttttt	ttttttttct	93840
gagacagagt	ttcattcttt	cgcccaggcc	ggagtgcagt	ggtgtgatct	tggctcactg	93900
caacctctgc	cttctgcttt	ccagcaattc	tcctgcctca	gcctcccaag	tagctgggat	93960
tacaggcacc	caccagcaca	cccggctaata	ttttgtattt	ttagtagaga	tggggtttca	94020
tcattgttgac	caggctggtc	tcgaactcct	gacctcgtga	tccgcctacc	ttggcctccc	94080
aaagtgtctg	gattataggc	atgagccacc	acacccagcc	tcactcattt	ttaaattgga	94140
ttttttgttg	tcttattatt	gagttttgtg	agttcttttt	atattctgga	tacaaaccct	94200
ttatcagatg	tatgatttgc	aaagattttc	ttccagtttg	ttcttttgtt	ccttttactt	94260
tcatttactt	cagaatgtct	ttcaaagata	agacatttct	cattctgatg	aagttgaatt	94320
taccaatgtg	ttctttgttt	ttaggtttct	tgtttatttg	tttgtttgtt	tttgattttt	94380

tagtagagac	ggggctttac	catgttggcc	aggctggctc	caaactcctg	gcctcaagtg	94440
attcaccagc	ctcagcctcc	caaagttcca	ggattacagg	catgagccac	cacacccggc	94500
cccaatgtgt	tcttttatgg	atcatgtttt	tggtattata	tttaagaaat	ttttgcctaa	94560
cttaaggccc	caaaagggtt	tctcatgtgt	ttacttccag	aaattttaga	gttttagctt	94620
tgacatttag	gcctatgatc	ggtatatgg	atgatgtatt	gattgaattt	tagtttttta	94680
catatagaca	tttgattatt	ccaacatcat	ttgttgaaaa	gattgtcctt	tcttcactga	94740
attacctttg	tgcctttgtt	aaatcagttg	tccataagtg	tgtagatcta	tttctggacc	94800
ctccattctg	tctcactgat	gtgtctatct	caacagcaat	gccatattac	cctgattact	94860
gtagctttat	actaaatctt	gaaatcaggt	agtattagtt	ctttgacttt	cttcttctct	94920
ttcaatgctg	ttttggctaa	tctgggtcct	ttgaatgccc	atgtgaattt	ttgaatcagt	94980
tcactgattt	ctacaaaaat	tcttttggga	ttatgttgaa	tctaatagat	caaattatgg	95040
agaattggct	tcttactaat	gttgtgtcct	ttgacccatg	aacccattta	tttaggtctt	95100
taatttttcc	catcattttt	ttgtactttt	caatattgct	ctttcacatc	tttcatcaaa	95160
cttattttcta	gggattttat	atttttatgc	tattttatat	gttactattt	ttttaaat	95220
cactttccag	ttgtttgttg	ctaataaata	gaaatataat	tattattatt	attttttttt	95280
gagatggagt	ctcactctgt	cgcttaggct	ggagtgcagt	ggtgcatct	cggcttaccg	95340
caacctccgc	ctcccgggtt	caagcaattc	tcctacctca	gcctcccaag	tagctaggat	95400
tacaggtgcc	tgctaccaca	cctgggttagt	ttttgtattt	ttagtagaga	tgaggtttta	95460
ccgttttggc	caggttggtc	tcaaactccc	aacctcagat	gatctgcctt	ccttggcctc	95520
ccgaagtctt	gggattacag	gcattagcca	ccatgcctgg	ccacagaaat	ataattaatt	95580
tttatatgct	tagcttgtat	actgcaacct	tgctaaacta	catgttagtt	ctagcagctt	95640
ttttatagag	tctatcagat	tttctacaaa	gatgatcata	tcagcagtga	ataaagataa	95700
tttattttcca	atctcttgtc	tgattgcact	ggctagatac	aatagtacaa	tctgaataga	95760
agtggtgaga	gcagatatat	ttgttattct	tgatcctatg	gggaaaacag	tcaaaactaa	95820
gaatgatatt	agcagtagtt	ttattgtaaa	ttccatttat	ccagttgggg	cagtactatt	95880
ctattcttat	tttgctgaga	gttttaataca	agaactgatg	ttgggttttg	tcaaaagctt	95940
tttctgggtc	tattgagatg	atcatacagt	ttttcttttc	ttagttttatt	cgcattgggtg	96000
attatgttaa	atgggttttt	ttttaaaccc	ttacacaata	gacttttatt	tttagagtag	96060
ttttaagtta	acataaaaaat	tgagcagaag	gtacagaggt	tttacaata	cagtccttcc	96120
ccacacatgc	atagcctctc	ccattatcaa	tattcccat	cagagtatat	acttattaca	96180
attgatggaa	ctacattaat	acgtcattat	caccagaggt	ctgtacttga	cattagggtt	96240
cacttttggg	gttgtacatt	ttatgggtct	ggacaaatgt	gcaatgacat	gtatctacca	96300
ttacagtatc	atacagagta	gttttactgc	cctaaaaatc	ctctatgctt	ctgctcatta	96360
tctctttctc	tccccatatg	ttaaatgatt	taggggtgtca	aaccaacctt	ccatccctgg	96420
gattagcttc	atttgggtcat	gctacattat	cctcttcata	tattgttgga	ctcagtttta	96480
taaaaacttt	gtttagaatt	tgtacattca	tgtttttaat	acatattgct	ctgtgggtgc	96540
cttgtaatat	atttttctag	ttttgggtatc	agggtaatgt	tggctttata	aaatgagttg	96600
ggaactattc	ccttcttttc	aatctcagga	ataatttcta	tagaatagca	taattggcac	96660
tcattgtataa	gtaccttaca	atagtatgct	tccttttatc	cccattccta	tctttgctgt	96720
tacatgttat	aggcccatatg	caattctttt	gtttaataaaa	tcaattatct	ttaaaaatat	96780
tttatttttt	tattttttaag	acccaggaca	acatgctgaa	ttttgttatt	ttctttaatg	96840
atatttaaat	aatgaaaact	aatcatgtat	ttttctgttt	agttaccatt	tccagtgttc	96900
ttaatcttct	gtatagatcc	acatttttat	ctcatattat	tttcctttgc	ctgaaggata	96960
tctaacattc	cagtgtgggt	gtgctactac	tgaattcttt	cagcttttga	ttatctgaaa	97020
aagtctttat	tttgcttca	tttctgaaag	atatattact	gagtatagaa	ttctagactg	97080
aaattttctt	ttcttcttct	agtactttca	agatgttcct	gcactgtctt	ctcacttggc	97140
cttgatctg	atgagaagtg	tcaggtttat	tttatgtcta	cacaaaatgt	gtctttcttc	97200
actgcttgct	ttgagtagtt	tccctttatc	actggttttg	aacagtttga	ttaggcaatt	97260
ggtttgtttt	taattttaca	aacaccttga	atcacgtaac	tggttgtgct	tcttttctact	97320
ggttggtcaaa	agctcagatc	cacatttctt	ctgctccaat	tagtaaatgc	tattatatat	97380

acactcttca	tctgagcctt	catcataaatt	ccctttatatt	tctctcttcc	cggttgttaa	97440
atatttta	cctatcacag	tatatatttt	tctcaatttt	atttttgtag	tcacaaacta	97500
acacattctc	ttcatcctaa	gtcaaatacg	gatgggtccct	gacataaaac	agttcaactt	97560
acagtttttc	tatttttaca	tggtgtgaaa	gcaatccaca	ttcagtagaa	accatactta	97620
aaatacccat	acaaccactc	tgttttttcac	tttcagcaca	gtagtcaata	catttttatga	97680
gatattcaac	acttcattat	aaattaaatt	aagctttgtt	ttagatgatt	ttgcccaggt	97740
gtaggcta	ataagtgttc	tgagcacatt	aaaggtaggc	taggttaagc	tgcaatgttt	97800
ggtagcctag	gtgtattaaa	tgcatttttg	acttatgata	ttttcaactt	atgatgggtt	97860
tatccggaca	taaccccatc	ataagtcaag	atcataagtc	aatctgtaat	tcatatgtat	97920
ataatgaaaa	tgctaatagat	tcttcctgca	tctctgagtc	ccaccctctc	agttaatagt	97980
tattaacatt	gtgggtgtgac	attcatatct	atgtgcttat	ataaacatat	agaaataata	98040
gtttattttat	ttttataaaac	accttgagtc	ctttgtggga	aaaggtagga	tatgaagaag	98100
ttaaacaaat	ggaaatgtgt	aatgctaata	atgatatcag	catagaagtc	attgtaaatg	98160

tttgggtgtct	gtttcatttt	tgatagctac	atttgaagct	ccttgggagg	gctgaccttg	98220
gagcatatag	ctgagagcac	atgggatact	ctagccctc	tgtcatttag	ccagtcaaca	98280
aggagaagtt	ttgaccttga	ctcttttgca	gattatcaaa	gacctgcagt	tgctgggggt	98340
ggtggcgagcc	ctgttgatgg	ctgatgtgat	cctgctcatg	acgtgggtgc	tgactgatcc	98400
catccagtg	ctccagattc	tcagtgtcag	tatgacggtg	aggggccaaa	tccctagaga	98460
atctcatccc	caaactggac	tgacctctgt	ggatacacag	gagtcacct	tgcaacaaga	98520
agataaagga	ctccaagagg	agggagagtc	aggagttgtg	gcttccatgt	aattcttgcc	98580
ctagtctgct	gccactccca	ctgctcctcc	tgcccgagtg	tctctttgtg	ggcatacaat	98640
gagatatcag	catgctggaa	tctgcctggc	agttctgcca	cttccacatt	atcaataatt	98700
aaaactttca	gctatcggca	gttaccttcc	cctaattgta	gagggtggagg	tagtagttta	98760
aggtggcctt	tggagtcagt	caaccctggg	tcaaattcca	gctctacca	gctcaccagt	98820
tgtgtgacct	tgggaaagtt	atgtaacctc	tctaagtctg	tttcctaatt	ggtaaaattg	98880
agataataat	actacctatc	tcataggggt	gtggcaaaaga	ttaaatgaaa	caatgtaggt	98940
aaaagactta	accatgtcca	gtacatacta	ttcaattaac	aagaagtatg	gccgggcacg	99000
gtggctcacg	cctgtaatcc	cagcattttg	ggaggctgag	gcaggtagct	cacttgaggt	99060
gaggagtttg	agaccagcct	ggccaacatg	atgaaacat	gtctctacca	aaaatacaaa	99120
aattagccag	gcgtgggtgg	acatgcctgt	aatcccagct	acttggaag	ctgaggcagg	99180
agaatctctt	gaacccagga	agcagagggt	gcagtgagct	gagattgcac	cactgcactc	99240
cagcctgggt	gacagagtga	gaccttgcca	aaaaaaaaaa	aaaattatta	tatatctcca	99300
gcctcacgag	gggctgagga	atacagtgga	atcatggaat	cgtgacactg	caagattaat	99360
gtttaaggat	tcaatgattt	gcaaaaagca	ggtgcataat	gaaatagttt	atagttttgt	99420
tgaggcacta	atttgattgg	ggtagcaaag	cacataaatg	aggggtaagc	cctagtgtca	99480
ccaagcacac	agctgttagc	ccaactttat	catctcttct	cctaacacgt	agtcactctc	99540
atthaggttc	tagtggagtc	acctaaatgc	tgcagttttt	acatactgag	ggggtatcat	99600
gtactctaga	agaattcatg	ctccagcatg	ttcacaaaga	tctgctttgt	gttcctggta	99660
attgtgggca	cctccagttc	tgactctgtg	tcccttctag	gtgacaggga	aagacgtgtc	99720
ctgcacttcg	accagcaccc	acttctgtgc	ttcccgggtat	tccgatgttt	ggattgctct	99780
catttgggga	tgcaagggtg	gtaaccacat	ctgatatggg	ctctgtcacc	aagaaaatgg	99840
atatgaagag	ggaattacag	gaattaacga	ggtgatgtct	gcaaagaatc	ttgaactcag	99900
aggagacctc	tgttgatgca	taaacttcaa	agccatgact	gtttttactt	ttctatttgt	99960
atttgtttgg	gggagaccct	ccaactcttt	agactccctc	attcagtcct	cccccaaatc	100020
atctggaatt	cacccactgt	ttctcctatt	tattggctctg	gtttcttaat	tgatttgaca	100080
ataccagttt	tcccttcac	ttccctgcaa	gagggaattat	gaggagaaat	ttgaccagc	100140
tttatttgtt	ctcctaagtg	cccttattat	gtctcttgtg	ttttcttcaa	gatttgggcg	100200
aagggtgtcct	ggtgcctttc	acccacctga	ctttctccct	ctgggttgga	gcaagactgg	100260
ctctgagaca	gatggcagca	ttcacagggc	cctttgaggg	gttccacctg	tctcacagt	100320

tctcccatac	tgccccaaat	ctctcaccat	tagactcatt	tgtctctggt	agatgggcaa	100380
aagtagaata	ttattttccag	aaggtagagg	atacctgcat	ggagcactga	ggatggtcct	100440
cagaacagga	cagctgggtt	tcagcttagg	gagacagaga	actggtgctg	aggggtacag	100500
ggcagtcctg	attccataaa	caagcaagtc	ctgcctgaca	gcagactacc	tgttgactat	100560
cagggcagag	agttctgggt	gactgattac	tggcagagga	aaaggaggag	tttttgtaga	100620
aataagtacc	ctttaagggg	aaactctggc	cgggcacagt	ggctcacacc	tgtaatccca	100680
gcactttggg	aggctgaggt	gggtggatca	cttaagggtca	ggagttcgag	accagcctgg	100740
ccaaacatgg	tgaaactctg	cctctactaa	aaatatagaa	attagctggg	tgtggtggta	100800
tgcacctata	atcccagcta	cttgggaggc	ttgaggcagg	agaatcactt	gaacctggga	100860
ggcagagggt	acagtgagcc	aagattgcgc	cactgcactc	catcctgggc	aacagagcga	100920
gactctatct	caataaaaaa	aaaaaggggg	ggtaaacttt	acccacttca	ccactaagaa	100980
agtattagaa	gttggtgctt	gtgaggaaca	ggtttagggg	taggccagac	tagggcaggg	101040
aaacattcct	ttttaactat	gtgcaaatat	tactttgaca	gaaatatttt	ttaaaagaag	101100
actctaggaa	gtgaacagct	cttgatctcc	agaatcttgc	taatgggttaa	aaaaggagct	101160
ttagtgtga	cagatcaggg	tttgaatctg	actccgcccc	tggctagcca	accctgagcc	101220
tcatttaacc	tctctgagcc	tcagtttcca	aattttaaaa	tgcggatgat	gataatatcc	101280
cctcagaact	gttctgtctc	taaagagtta	atgcatgtta	agagttttca	gccgctcctg	101340
gtccatagca	agagctcaat	aaatgttaga	tattattatt	actattcttc	cactgcccc	101400
tagacacttc	tggaaaaatac	attgcctctg	ttggttcctt	gagtccctgt	agaagagtgt	101460
gtcctcccta	gcccagaaaag	ccagcacttc	ccccatagct	acttactttg	tgactcaatt	101520
tgatttatatt	tctccattgc	cttttatata	ctctcatatt	cattctatatt	tactgtaata	101580
tctttctgta	ggaaaaagaa	ggaaaaggat	ggagcatcag	gaaacttact	gagccagacc	101640
ccatagactc	cctggtcagt	gagaagctcc	tcaggaggac	cccaatctcc	acattgagtc	101700
ctaggacccc	tgctctctgt	caactgcccc	ctaccccaca	cttctcagca	gttaaggcca	101760
gtgatatgca	aggatcaaat	atgactcact	cagacaccag	ccaggaatgt	atagacactt	101820
gattcacacc	cattttcccct	ttaacaagaa	ttttaatgga	attaaaaact	tttagtgga	101880
tcatatctga	acatttcaaa	atcacagaat	taatttcatt	tgctttttat	taaattagca	101940
atgatccaac	tctgctgaat	accacctgat	ggcgtcagtt	acccaaaagt	tgggcttccc	102000
tggctcctg	acttatgtgt	cctctagtca	ttgaagatct	caggggtggcc	acatttggcc	102060
ttcaggcccc	atttgggaca	ctgggcatta	ggggaacctg	gaaggatatct	cttccatgct	102120
gactccttcc	cttctggcac	agccagttct	ccaaaatatg	ttcttttagtg	tcacccatga	102180
agggtggagt	gaccacgtca	tatgatttga	gggtcaccag	caggtgtcct	gctgatacct	102240
gactttatatt	tcattattag	ttctccctct	gaatcccaca	gtcccacccc	cacctcgtct	102300
cccatggcat	cttcacgttc	tgagtcacat	acatgaacat	ttttaggctg	ggcgcagtgg	102360
ctcatgccgg	taatcccagc	actttgggag	gctaaggcgg	ttggatcacc	tgaggtcagg	102420
agtttgagac	cagcctgacc	aacatggtga	aaccccatct	ctactaaaaa	tacaaaatta	102480
gctcagcatg	gtggcacaag	cctgtaatcc	cagctactcg	ggggctgaga	caggagaatc	102540
gcttgaaccc	gggagacgga	ggttgcagtg	agcagagatc	atgccattgc	acttcagcct	102600
gggcaacaag	agcgaaaactc	catctcaaaa	aaaaaaaaaa	agaagatttt	tgtgcttacc	102660
ttaaaatctac	ctaccagacc	aagtgttaaa	agccaggacc	atgacttctt	tgtgtcacta	102720
ttttctgccc	tacacgtact	atggcactgc	acacatagtc	agaaagggtga	acctaattga	102780
atctatgtgt	tatgtattat	tgactaaagc	tttgatttct	gtatgaatgc	agctcctgtg	102840
gagggggcag	cactttaagg	tgctatgagt	tattttctcc	ttagtacaaa	tgacaactct	102900
gagagcaggt	ttatattcat	aggaaagaga	acagaatagg	gccctggggt	ccttgtaggg	102960
gagcaagaaa	tgtcacaaaa	agggtgagaa	ctatagatgg	agcttttcgct	gtctgtgcct	103020
gccccacagt	cttgccctggg	tcccagcctg	cctttgttct	cccccttttt	tacccttcat	103080
ctcccataaa	cactcactgg	catggagccg	ctgctagcct	gtagagatcc	tttgtgtaaa	103140
ttttttgaag	gccccatccct	tctagtcaga	tgcagtcctt	caggtgcaag	gcttggcaag	103200
cagatgggtgc	ctttgggcaa	attagagaaa	agagccccct	cctatgggca	ctaccctggc	103260
tgtggcacat	gacttgacaa	gcagatcaga	ggtcactttc	agcttccctg	tgcaccctca	103320

gctttgagca	gggcaacacc	agacaatggc	tgtggtagca	ctcactatca	gaggttctgt	103380
gggcccactg	tcctccaagt	gcccacagc	tctttctgta	gggatactaa	ccccaccaca	103440
tgatcctgtc	ctatgccttg	tctcagaaga	gtcttattta	atggctgact	tgctgacttc	103500
tgataaacta	attctcagca	aaggagagga	aaataacatt	tattaagtat	ctagtaggta	103560
taaggggctg	ccctgagggt	tttcttatgt	gatatcttag	taaatcctca	tagcagtcct	103620
taaggtaggt	attattatcc	taattttaca	gatgaggaaa	ttggttgcaa	acctactgct	103680
cattgacctc	ttgttccact	tctctgagcc	tccgtcacct	cttcaccccc	cagggctctgc	103740
tcctgctgta	tggtgcctac	ctggctggcc	tgactggcca	tgtcagctcc	cctcctgtga	103800
atcagtcctt	aaccatcatg	gtgggggtca	acctccttgt	actggctgct	gggctgcttt	103860
ttgtagtcac	cagatacttg	cattcctggc	ccaacctggg	ctttggactc	acatctggag	103920
ggatctttgt	ttgtacaact	acaatcaact	gcttcatctt	cattccccag	gtatggattt	103980
tgcagggctg	gtcctcttag	tcactctaga	gttttttact	gacaaattgc	tcatttttgt	104040
ttctactgat	acctttccat	gccacttatt	ggagagtcag	aaagcagaca	ggggatccta	104100
gtgagctggg	tgctttgtc	ctttctcact	gtcctgggtca	gcaaggggga	caaggcagag	104160
tggtccaagc	agtgggtggc	gcccctgttt	gcactcttcc	acacctgtgg	tgctgtccc	104220
ttgggggggc	tgctctgcag	tcctgctttt	ccatccaccc	tctggtctgc	tgactcggtt	104280
ccccatcctc	ccctcatthc	catcatgtta	ttactatthc	tttctactagc	ctgggagcaa	104340
ggaaccttta	tattttttcca	attggggatt	gcagactcac	aggaaaaaat	ccatttagat	104400
ggaactttat	gatttaaaagt	gctttctctt	tctttttatt	ggaggaaaaat	acagaacatt	104460
tctctgcttt	ttacaataag	gagaggtaga	aactaaataa	aaatatgttt	catattatgg	104520
ggattttaaa	aaatcaaatg	agggaggaag	acagaagcag	aaatagccag	atagcaaaga	104580
agaaaaggtag	tcagagggga	cagagaagga	atcctaggct	cagaaagcaa	ggggatgtgg	104640
gattgttcat	gctacaccct	ggggaccatc	aagccacata	tatctagggt	aatgaacttg	104700
gcactaggta	ctttcttgtt	tcctctctag	ttctcctttt	cttccctctg	agacctccct	104760
catcccactc	ctccttcaag	accctgtcct	gattcccatt	gcaacttcca	gttgactgta	104820
aactaattcc	tcattgatgga	gctaactgat	aatgtaagtg	ttggctgatg	gcacgttaca	104880
gtgtattttgt	gaaaggggaag	agtgcacttt	gggtcatgat	ggtatgacat	gggcatagcc	104940
ctgttacgat	tcttctctat	cacaaatcct	cattacagta	ctcaacagaa	tacataaata	105000
tggaaaaatc	tgacgcagca	gcactagaaa	cgatggatgg	ctattgcctc	tgtgccagaa	105060
actggaggaa	tttttgccaa	atcttaatgc	cgtaaaaaact	ggaatgaagg	aagccattta	105120
gagctgaggc	ttgtttgtct	gggatgaggc	agaaatgggc	tctgagaagc	aaggactgtt	105180
tctccctggg	agaccggggg	cgggggcggg	gtgggtgggc	aggggtaagg	gtaggcaggt	105240
gccttttggg	aagcccaccc	cttaggccct	gcagccaata	ttgttggtgatt	ggtagcgatc	105300
aacaatgcag	agaactgggtg	ctgaagggtg	caaggcagtc	ctgattccat	aaacaagcaa	105360
gccctgcctg	acagcagcct	acctgttgac	tgtcagggcg	gagaggcctg	gttgactgat	105420
tactggcaga	ggaaaaggag	gagtttttgt	agaaataagt	accttttaag	ggtaaactct	105480
ggccaggcac	agtggctcac	acctgtaatc	ccagcacttg	gtgaggctga	ggtaggcgta	105540
tcacttgagg	ttaggagttc	gagaccagcc	tggccaacat	ggtgaaactc	tgtctctact	105600
aaaaatatga	aaattagctg	ggcatggtgg	tgcacgccta	taatcccagc	tactcgggag	105660
gctgaggcag	gaaaaatcact	tgaacccggg	aggcagaggt	tgcagtgagc	cgagattgcg	105720
ccactgccct	ccagcctggg	caacagagct	gctaaccctt	ttcttccttg	cttgccctgca	105780
ctatagagac	agcaacagct	agactcttct	tttgccagct	tcccatagag	ataggagtgc	105840

ctatatgaca	ccattttgaa	cactagagggt	tttctgagaa	gcttctgaga	aagctttttgc	105900
tttctgaaa	aaggttataa	gcatggctaa	catcaccctt	tttaccttct	tcctgccttg	105960
aatgtatgtg	attccttagag	ctatggcagc	tctcttgtga	acataaggaa	aagactaaga	106020
gaatatagtt	ataatactag	gaagatacag	ctctttccat	gtaagattat	aaattctgga	106080
ggaaatgatc	tatgaaggga	atctgcagtt	cacaagaaga	ggactacaaa	tgtctaaaga	106140
tttagagaag	ctgccttcct	ctggagtaga	agtgtttaga	agataccgga	cttgtcaata	106200
gaattcaaa	gatattgtct	cttctcaact	aaagcaaaact	atcatgaaaa	aaagctaata	106260

ttaataaaaat	attgaataaag	gattaaaaaat	atggtatttaa	atttaaaaatc	ccaatagaag	106320
cattgactgg	gcaattagac	actacaaaat	attgaattag	tgaattactt	taaggaaaca	106380
gaaaaataagg	aaacaaatga	gagactagat	aagaaaaatat	ggaaaatggc	cagatgcagt	106440
acctcatgcc	tgtaatccca	gcattttggg	aggccgatgt	gagcggatca	cctgaggtca	106500
ggagttcga	accagcctga	ccaacatggg	gaaaccccat	ctctactaaa	aatacaaaaa	106560
ttagctgggc	gttgtggcat	ccatctgtaa	tcccagctac	tagggagact	gaggcaggag	106620
aatcgccctga	acccaggagg	cagaggttgc	agtgaagcaa	gatcacgcca	ttgcactcca	106680
gcctgggcaa	caagagcgaa	aatctgtctc	aaaaaataaa	ataaaaagaa	aaaaataaaa	106740
tatggaaaac	atctaggaat	acaattgaga	gctgatagga	gtctctgaaa	gagaacaaaa	106800
taatttgggg	cagaagtc	tatcaaagag	ctatcagagg	aaaatgtttc	tgaacaaaca	106860
aagccttggg	cagaaaactg	aatgaattgg	caatctccat	gatggcgccc	tgcttactgc	106920
tcctctctcc	atcctcacct	ctcaccactg	cccccttgca	tcgtaagcct	cagccacatc	106980
acttccccctt	tgcttggtgt	ttgagtcctc	agcagctagg	acaattgtga	catctgggta	107040
ctctacacac	aaaaatgcag	aatgaagtgc	tgcttgaaat	ctgccttcca	ggttttcact	107100
aagcaacaaa	cacttgattt	gttgaattgg	gaatggaaat	ggaatgatta	tgaggtagag	107160
gaattgggtg	gatggactgc	actggccttg	ctttccttct	atctcactcc	ctctttccct	107220
cctagctttc	ttaagcttcc	tttctcttac	tctgtctttc	ctcttccatt	ttctcccttg	107280
tgtttttttt	ttttctctc	tggaactaac	tgaccatgat	gtgaaactaa	aaaatatatt	107340
ttgtagtctg	ttgtatttta	ggtttagatg	gtaagttagt	ctttttcaaa	atataaaaaga	107400
aactgagggt	tgtaggtttt	ctgtgtgttt	ccctctggct	ccgaggctct	tggtagaaga	107460
acgattctcc	ctgtgatact	tgactgtgt	attcctagaa	gataatttgg	gaaagtaatt	107520
tgagtaaatt	tgggaaagt	ggtaggggga	actatctggg	taagggttgg	gggttgagc	107580
aaaacggggt	tccttcttgc	cagtgcctt	tcagacatga	ctgtgatggg	aggagtttgt	107640
gaaagcaaa	gcacagatac	ccccagggca	gcgaggcagc	gccagagagc	gggtgaaatg	107700
gatgacatta	ctaaggagac	aaggggccca	agaagccttc	tttacacagg	cactcaggaa	107760
atgcctgagt	gtttatgcca	agcactgagg	tcactactag	aagtcagcca	gccgctgctg	107820
ttctgacctg	aatatgaccc	atcccccagc	cctctgctcc	ctcagagagg	caggcaggtc	107880
ctaaggtagg	acattgtttt	ctctctcctc	taaccccgaa	agcatttcat	ctgctcctcc	107940
ctgaagatgt	gcaggccttt	ctaacttgcc	ttataattat	atgtatatgt	cccagcacc	108000
ctactagacc	agtgcatt	ttaaagaaa	cttcttcat	ttgttcatgc	atgcatccat	108060
ccatccactt	attaactgct	gggtacatgc	acttaaacac	agagtccgcc	tctaggtcta	108120
gtggggagca	aacatgaaag	gaattatcat	acatgtgtta	agagctttga	gaaaggcctt	108180
ccccagccca	tctgagaact	cagtggcacc	ttctcagaaa	atgaggctgg	gcatggtggc	108240
tcattgcttat	aatcccagca	cttttcaagg	ctgaggcggg	tagatcgctt	gagcccaaga	108300
gttcgagagc	aacctgggtca	acatgggtgaa	acctgggtctc	tgcaaaaaat	gcaaaaattg	108360
gctagacgtg	gtggctcacg	cctgtaattc	cagcagtttg	ggaggacaag	gcgggcagat	108420
cacgtgaagt	caggagtttg	agaccagcct	ggccaacatg	gtaaaaaccc	gtctctacta	108480
aaaatacaaaa	aaattagctg	gggtgtgtgg	cgggcgcctg	taatccagct	acttgggagg	108540
ctgaggcagg	agagttgctt	aaaccgggag	acaagggttg	cagtgcagccg	agattgtgcc	108600
attgcactcc	agccagagac	agagtgcagc	tgtctcaaaa	aatataaaagc	aaaaattagc	108660
caggcatggt	ggtgcatgcc	tctggtccca	gctacccagg	aggctgaagt	aggaggatca	108720
cctgagccca	ggagggtgag	gctgcagtga	gctgtgattg	tgccactgca	ctccagacag	108780
agtaagacc	tgtctcaaaa	aaaaaaaaaa	agaagggaagg	aaggagagaga	gggaggagg	108840
gaaggaggga	ggtaggaagg	aagggaaggaa	ggaagatgag	gtgttcgagc	tcagtcttga	108900
aggaaacata	agagttcatt	gaagagatgg	gggaaagtag	gtggcatttc	tgatggaata	108960
acatcatgac	cagaggcagg	gaggctagaa	agagagtagc	gtatgttttg	agcaccatgg	109020
tctttgttat	ttttgaagca	caaattggaaa	ccagggggag	aatgacagga	ctggggagag	109080
acacacctgg	ggagcttctg	aggccctgct	ggaccctgtt	aaagagttga	catttagtcc	109140
caccatatta	gtttcccact	gctgctataa	caaattccca	caagcttagt	ggcttaaaat	109200
aatacaagtt	tattatctta	aaattttgga	ggtcagaaat	ctgaaatagg	tcttatttgg	109260

ctaaacttaa	ggtgtcagga	agtctgtatt	ccctccagag	atgcaagggg	agaatctgtt	109320
tccttgtctt	tttcagcttc	tagaggccgt	ctgcattctt	gtgcttattg	tccccctctc	109380
caccttctaa	gccagccagg	ttcaaactctg	ccagaagaga	ttcaaactctt	tctctctctc	109440
gccccgtgtt	ccattgtcac	atctccttct	ccaactctgg	ctctcctccc	tcccccttat	109500
aaggattctt	gtgattacat	tggggccact	tggataaccc	agaataatca	ccccctttga	109560
aatccctaat	tacatttgca	aagtcccttt	tgccacataa	ggtcacatat	tcacaggctc	109620
caggaattag	gatgagagag	aacatctttg	agaagccact	gttcagtctg	ccacaccccc	109680
atagcccaga	ggctcagaaa	accagaatct	gcctgtcctt	ctggaggaag	gcagaggaga	109740
ggccctgaat	tgtgaaattc	atagctggat	tccagaaacc	ctgaagggtt	gagccttaag	109800
gagtatcttc	acaaatgagg	aatgaagggc	tagagtaatc	aaggggtatc	ttggctccac	109860
ttggccaatt	tagagacagg	aagacaaaaa	gccctggggag	ggcccttacg	ccagtgtctga	109920
gctgtcctc	tgccagccct	gcagagaggc	ctcagtctgg	gagtgtctggg	ggagatgaag	109980
gaaaagctgt	actgcagcac	tgccaggggtc	agtgtgagga	gaataaccct	aggagggtctg	110040
attcatccac	ccaaggccac	agatgacctt	gtgttggttg	ctccagtagc	tcccaagtag	110100
gatggtgagc	tgagagcatc	ctttcgtggg	gagggggcct	tcaagaaggg	catctgagag	110160
gggaggtacc	aggcctgacc	caacacaggt	cacacagact	cctggtgcga	tgatggactc	110220
atgatgagtc	agcagaggac	ccaagaggac	ttgggtgata	atatcaattt	cagtggcatt	110280
gaaattgatg	gcaggattca	gaatcctatc	tgagatttac	aaaatttggg	ttacactcca	110340
tggtcggagc	ttaacaaatg	tttcatggat	gagtaaagaa	atcccaggat	ccctttgagg	110400
ctacccatag	acactgcagc	atcatttcta	gaatcaaggt	cccagggtcc	ccagtgtcca	110460
tcactaggac	acttagttat	ggggattcct	gagaggaaaa	cagaggcctt	ccccactgtg	110520
gcttcctgcg	tcactcacat	tactgtcatt	cgggtgggtca	gcagtacccc	acagactcag	110580
gcagaggctc	ctgtttctat	gttcagcttc	attcctgtta	aactaaacca	gcccattgctt	110640
ctgcagagtg	ttcctcaaga	ccagtttctc	ctgaagagct	ttccctggac	tgccaccggt	110700
aacagtctct	ctcttcatca	actgagttag	gacacagaca	tggcacagtg	tcctgcttac	110760
agctgttggt	ctgctgctaa	gtggctgtgt	aagcttagac	acaacactcc	tgagcctttc	110820
ctagtttgct	aaagaaactg	ggtgatgagc	tagagcatcc	tgatgtgact	agggggcctt	110880
cctcaaaggc	tctctgagcc	ttgattattg	acttgggtta	gaagttcacc	caaaggaact	110940
gaattttcaa	tagcagcaag	cacattgtta	ctgaacaaat	gaaaaataat	taaatagctg	111000
catgcaacga	gaaaagtgtca	tttgaaactt	atagtgttca	ggttgcttaa	ccccaggata	111060
gctcctaact	ctggcttttag	aatgtgggtg	tagaagatac	ttcagctctg	gttttctttg	111120
accagtttgg	caatgggtag	gcagatgggc	taaggctgtt	ctattttatc	tacctgtcct	111180
attcttcctt	tggaaaattt	tgtttgtttt	taggggtgtt	tgggtttttg	tttttttttt	111240
ttaagattgg	gtctcactct	gccacccagg	ctagagtaca	gtatcacaac	aatagctcac	111300
agtagcctga	aactcttgag	ctcaagtgat	cctcccactt	cagcctcctg	agtagctggg	111360
attataggag	tgagccattg	caccagcccc	tttggcattt	taaaaattat	ataaccttaa	111420
cattttgtat	aattacaaaa	ggtaaggacc	ttttgtcatt	accatctttg	agccctccag	111480
agcaaagtac	attttaagga	gagaatagct	tgcgcatgtg	tgtatctatg	atagtgtcat	111540
tccttggtgt	ttatgagaaa	gagtgagaga	gtgtgtttct	ggatgtgtaa	ttaaataaat	111600
aacatgtgtt	cttttatcta	acagctgaag	caatggaagg	catttgaaga	ggaaaaccaa	111660
acaatcagac	gcatggccaa	atatttcagc	actcccaaca	aaagcttcca	taccagtat	111720
ggtgaggagg	agaactgcc	cccaggggga	gagaaaagct	ccatggagag	gctcctcaca	111780
gaagtaagct	ctgcccctgc	ctggaagatt	ccctgtaaag	gatccaatca	tgcacgggtg	111840
gcccccaagg	ctcttattgc	tgatgttctc	ttttcctctc	attctcccac	ttctcttaac	111900
agcaagcaaa	acctcaccat	ttccaccgtg	acacgcatct	acttcattca	ttcagtggac	111960
agatgtataa	tgagtcactc	ctatgtgcca	ggcattgtgc	cagtgaacaa	tgaacaaaag	112020
catggttcct	accctcacag	agctcacagt	ctagtgggaag	aaatagagat	tcattcatca	112080
agcaaacatg	taattataca	ttgtcataag	aattatgaaa	gaaaaatcag	agtggtaaga	112140
cagaataatg	tgtggtaagg	gcaagaaaac	ataacttaga	ccagtcagaa	aagactcatt	112200
gagctgaggg	ctgaagggtta	agtacaaatt	agccaggcaa	agagtacagg	gaaaagtatt	112260

ccaagctg	cgcggaacacagcat	tgttaaaggcc	ctgaaatgtg	gtggacacta	gcttccctgt	112320
gatacat	ttttcttttt	tttttttttt	tttttttttg	agatgaggcc	tcactctgtt	112380
tcccaggctg	gagtgcactg	gtaccatctt	ggctcactga	aacctccacc	tcctagggtc	112440
aagcaattct	cctgcctcag	cctcccaagt	agctgggact	acaggcaccc	accaccatgc	112500
tcagctaact	tttgtatttt	tagtagagac	ggggtttcac	catgttaccc	aggttagtct	112560
caaactcctg	acctcaagtg	atctacctgc	cctggcctcc	cagggtgctg	ggatcacagg	112620
tgtgagccgc	cgcgcctggc	ctcattttct	ctttttacat	agagtagtgt	cttcatgtcc	112680
aagatctcct	ggggtcctta	ctgtctttcc	caggctactgg	ctacagatct	caatcagccc	112740
atcatccag	aaagtccagg	catgtctaca	gatggagaag	gggactaaac	aagggtttct	112800
gaatgtgatt	gtagcaccaa	gggagaatga	ggcagctccc	ccgggcttct	ttcttctgta	112860
tttgagccag	agttggcccc	tctccagac	ttgggcagtg	tgatgcaggc	atgaagaaag	112920
cacgtggaaa	ggtttgaagg	cttcgttgac	tcaggaagaa	ggcacagggc	ccaggggagt	112980
tagtcagtat	tttgacacta	actgaattac	attccatatt	ttttcagttt	agaacctatc	113040
tcaggaggtg	ttatttggaa	aactgggctt	tttttttagg	actgctgcct	aggtattaat	113100
agtcctgat	gagaggatag	tgtggtgggg	acctagaaaa	cacaacagat	gaagggactc	113160
agcacacca	ggcacccacc	gttcatgccc	ctctatggtt	ctggaccatt	tttgtccatc	113220
agagtaacac	ctctccattt	ctttactatt	aagtatttca	aagccagatt	tctttccacc	113280
tggcaaggga	gtaatatatgc	ctttgatact	ctgtgaagtc	ttcaaataag	catttttttt	113340
tcctggctac	acagaaggcc	agaaaacttg	ctagaacagc	caggatagtt	ttcattcaca	113400
gtcagctgat	gctggaacag	ccaagtggac	tgactcttta	gccttatggt	aatttgcaac	113460
gtgctgtttg	tacttctgcc	atgctaccct	gtttcccacg	cagggactca	atctgctata	113520

tccaaaaaga	tgctttgagt	ctgcagagga	agcccttcaa	tgggcacagg	tgacaagtg	113580
gtaagaagct	ggcctcccca	gtgcacgcta	cacctggaat	ctctttccca	gaacaggcca	113640
gagaacaagc	ggccagtcct	agggcccggg	ggcaggtgtc	aggaggttcc	agcatctgca	113700
tccccagctc	cagcattgcc	cgttagagaa	acatgagtat	ctctcctggc	tcaacatatg	113760
tacagacctt	gactctggcc	catggtgtgc	agtgccttcc	tgtgcaggcc	ccactcccc	113820
actcaggcct	tcctcttact	ttcccgtgat	ctgggcagcc	ccatcttctc	acacttttcc	113880
ctcttgcttc	tatagccagg	gggtccccc	gaagctgttt	cggacagcat	ctatcacatc	113940
tatcactgac	ttccctgtct	aagagaaggc	cagcagacag	aaccttccac	aaggctgaag	114000
tgctttcctc	atacactctg	cagccaagta	aacaaacct	ttacttttgt	tacctgaacc	114060
atagaaaaca	gaggctaatt	ccatgtctcc	ttatggcctg	ccccctgtga	aacatgcagg	114120
tggatgtttt	gcttccctca	atatgccaaa	aataataatt	aataagctca	ttgaagtgc	114180
gctgccgtgg	taggtcagat	ttcagttct	taatggcagt	gcctcacacc	acacctctaa	114240
ttagtatgca	gccatggtaa	aaacagagtc	ccacttcttt	ttctggaaga	aggaaatttt	114300
ctgttttaggt	tgatgtttct	aaatctgtca	ccagccagct	tcttcccaac	tccatgttta	114360
tagtatcttt	ctatactcaa	aggagtttat	agataaggca	caaaaagaca	gcactcagat	114420
ttcacccacg	ggagtagttg	ccatctgccg	atgggtcctt	cctaactctg	tgaggctata	114480
gaggcctcca	gaagcccaca	tgagaatgtg	cacgatgggc	ttcaggagga	gaggctggtg	114540
gaggaggagg	ttgagggtccc	cccagtagat	cctcagagag	atgcctggca	cagcccagga	114600
tcacaaacac	ctgagtgttt	ccctattgct	catccattct	gcccctgaca	agtccttgag	114660
tcactctgcac	tcaccagca	acaccagac	ctcaccactc	tgccgggcaga	gggaaggagg	114720
ggaggacagg	cacacatgtg	ctcagctgaa	agtctcttct	accttactca	ccagtccctc	114780
actggccctg	gactctcttc	tgatggtaaa	agaagtatac	tcaaccaggg	tgaaactagc	114840
aataccaact	atcagaaaaa	tcaccttccc	aattctacaa	ggggagcagt	gcatctgctt	114900
ggagagttgc	tagtcagaat	attggactat	tttgcttaag	ctactgctcc	cttaaaggat	114960
catttctagg	caactctccc	atgtaaaacct	gagatgaaac	cacaggttca	ctctataact	115020
agtagtccta	gttagctgtt	atggacggta	taactaggca	atttgatttg	gttatcctaa	115080
cacagggaac	atccttttgt	ttctagggca	taataaatgg	agggtccaaat	gctcatgccc	115140
agctcctaaa	gatgatagta	acaaagagg	agcatttttg	tgttcagaca	agcactttct	115200

agaacatttg	cttacattat	tgccttccca	gaaccctcga	ccccatgtca	tctgccccaa	115260
gtccagacgt	tccctgtgaa	tatctcctcc	ctgctctgcc	tttgaggatc	agaagtttcc	115320
agagatggac	acacagtctg	aactagagaa	tcagctgctg	caccacagaa	agatgtctgg	115380
gctgcagtcg	ttccctgcaa	cccactgcc	acactcctac	tcctacttca	tgccccacaa	115440
tctcgagttt	aggacaggca	cacctctgca	gctctcacct	gccagccctc	tccggcacaa	115500
cttgtttacc	agctaacatc	cagcgagtag	gcaggtcagt	agcagaactg	ccccaggctc	115560
cttcgtctcc	tgggctccat	tctagggctg	ctgaatcaag	ctagcagggg	cttaagccca	115620
acagtccttt	catttctttg	tgcttcttca	atagttctga	tgcttgcact	ccttttaggtg	115680
agtggttccc	aacatttttg	gcaccaggga	ccacttccgt	ggaagacagt	ttttccacag	115740
atagtggtag	ggggatgggt	tcgggatgaa	actgttccac	ctcagatcat	cagacattag	115800
cttctcataa	ggagtgtgca	gcctagaccc	ctcacatgtg	cagttcacaa	tagggtttgc	115860
gcttctgtga	gaatctaata	tctcagctga	tctgatggaa	gctcaggtgg	taatgcttcc	115920
tcaccaccgc	ctcacctcct	gctgtgcggc	ctggttccta	acagtccatg	gactagtact	115980
gggtccgtgg	ccaggagttg	gggacccctg	cttttaggtga	aatcaacagc	tgatattgcc	116040
acatggtagc	tttggccact	cactcccaga	gggtccagcct	agggaggtga	taacaccaac	116100
ctgagattct	ctttggcccc	tctcagctcc	aatcttattt	gattgtcaca	gaaatctcca	116160
cccttctcct	tgttcttccc	attttctagg	ctgttttagta	agaggcaaaa	tacttgttct	116220
cctacttctt	catcccctgg	agatatgctt	cacatttatc	taaatttttg	caaaagtgtg	116280
ataaactcca	agtgggacca	ttccaaacat	tattcagctc	atacctgcgg	agtggcctga	116340
ccctctcagt	tctgggaaag	gtgagagggc	gctgcagtg	ccagcaggca	ctcagactgg	116400
gcctccttgc	tcttcataag	caatgccgca	cagtgtgggg	atgtaaggag	aagaccaaga	116460
taatgacaat	aaatcatggg	tggcctttat	tgagcaccgt	ttatgtcagt	tattgtgcta	116520
gcactttaca	tgcatcaact	catttcaactg	gagggaggca	cctccttaga	acctgaggtc	116580
accagccaat	acactggaag	aactgagatt	tcagccaagg	ttctttgaaa	gccacacctt	116640
ctccaccatg	gtgggcacta	tggaaacctc	ggcggcatct	tttgttgatg	gttttgcttt	116700
tattttacag	aaaaatgctg	tgattgaaag	cctgcaggaa	caagtaaaca	acgcaaaga	116760
gaagattgtg	aggctgatgt	cagctgagtg	cacctatgac	ctcccagagg	gggctgcccc	116820
acctgcctct	tccccgaaca	aggacgtcca	ggcggtagcc	tcgggtccaca	ccctggcagc	116880
tgctcagggg	ccttcgggtc	acctctctga	ctttcagaat	gatcctggca	tggctgcccg	116940
ggattcccag	tgcaacttcag	ggccctcctc	atatgcacaa	agccttgagg	ggcctgggaa	117000
ggactccagc	ttctccccag	ggaaggagga	gaagatatct	gactcaaaaag	acttttctga	117060
tcatttagac	tcaggttgta	gccagaagcc	atggactgag	caaagcctgg	gtccagaaag	117120
aggagacca	gtccccatga	accccagcca	gagtctccta	ccaganagag	gcggctcaga	117180
tccccagaga	cagaggcatc	tggagaactc	agaggatccc	ccagagcggc	ggtcacgggt	117240
tagttcagta	atcagggaga	aacttcagga	ggctttacaa	gatctgggcc	tgggccctga	117300
ggcttccctc	tccaccgccc	cctcttgta	tcagcaaacc	tggagaaca	gtgctgcctt	117360
cagcccccaa	aagatgcccc	tctccaagga	gctcggcttt	agcccttaca	tggtagaggag	117420
aaggcgggca	gctcagcggg	cccgtcaca	ctttcctggc	tctgcaccct	catctgtggg	117480
gcatcgggca	aacaggactg	ttcctggggc	acacagcagg	ctacatgtgc	agaatgggga	117540
cagccccagc	ctggccccac	aaactactga	ttccagagta	cgaagacctt	cttcaggaa	117600
gccttcacta	ccttcagatc	ctcaagacag	accaggtagc	ctggagggca	gcaaacaag	117660
ccagacagag	cccagggggg	ctagaggggag	caaagcagcc	tttcttcgcc	agccttctgg	117720
ttctggccgg	gccccaaagc	ctgctgcccc	atgcctctcc	aaagcctcac	ctgacttgcc	117780
tgaacagtgg	cagctgtggc	ccccagtgcc	ctcaggctgt	gcctccctgt	cttctcaaca	117840
cagctatttt	gatactgagt	ccagcagctc	agatgagttc	ttctgccgct	gccaccggcc	117900
ctactgtgaa	atctgcttcc	agagctcttc	tgactctagt	gacagtggca	catcagacac	117960
tgaccctgag	cctactgggg	ggctggcttc	ctgggaaaag	ctgtggggcc	gctccaagcc	118020
tattgtgaac	ttcaaagatg	acttgaaacc	cacgctgggtg	tgaaaagcaa	cagagctggt	118080
ctagacacag	aggctcagtc	aagagaagct	gtaccaaggc	ccacaggaga	agagccaatt	118140
tctggtcttt	ggggaacaga	ttagtgcctt	gcatttgacc	agcccatacc	atgtttcagc	118200

taggctcact	gtgttacttt	gagtactttct	tgatctataa	aaagagaggc	attgcctgtc	118260
ctgttactac	ctcgcagcct	tactataaaa	gactccagtt	gagtgactat	gaaagacact	118320
gactccttgg	ataaaaagggtg	ctgaatgaac	acataggatt	ttctgtccag	gtcagcctac	118380
attctgtaaa	actcttaata	tattcagatg	gatggctgaa	tggacagaca	gatggagaga	118440
tgcatgggaa	atttctgtag	aacttgagggt	gtggactgtg	acccatcaaa	ctggcctttt	118500
ggtggacaga	cctaccagga	agataagtct	cctacatcct	tgggcctccc	actcctggaa	118560
ggcagtgggt	ttatttctgc	tgaatgttgt	gaacagcacc	tccctagatt	ccagcttctg	118620
gccagaccca	gctcagagcc	acccctacac	cactatttct	tgatgggtgtc	tttccaccat	118680
tatggcactt	taccctcctc	tctgagacag	atctccatgc	gcccgcaggc	ttcccagatc	118740
tctcccctgg	gatcggatgt	acctgagggtc	ctgactgtcc	ccactgtccc	cttgtcctgt	118800
ggctcatcct	cgattcaccc	actgatgcag	ttttgtactg	cggggaggga	cacaccagca	118860
atttctgttg	gggtatggga	gaacctgttg	gtcaagagtgt	cttttggttc	cattgggggtt	118920
acatgactac	caacagacac	ataaacctgg	aagccaaatg	gagaaaataa	aaggaagaca	118980
cgaggggacac	gaaaacagga	aagaaaacag	gatttgaata	tttcacttga	gtccagcata	119040
gtacttggca	atatcatatt	tttgtgattc	cttttgataa	ccctgtgaag	tagacacttt	119100
cattttttaca	gacaaggatt	atgaggctta	gagaaatgag	gtagtttccc	gcaacatcac	119160
actgctggac	agagatgtac	acacagctcc	tgggactcaa	gtaggtgggt	tttcccaggg	119220
acacatggct	tcatgtgttc	ttctgggaat	ggcagggtgac	gcttggcaga	cgagacaaca	119280
aagcaaggct	catgtaagaa	agctgggatg	tgctcccccta	tagtccagaa	taatagacct	119340
gggtcctcac	ctcaggaaac	gggcctccac	ttcctcactg	ccaaaggcca	cactggcacc	119400
tcccaaggga	gctggggagc	tgggtgaagga	tgagtgcgag	gaactcagcc	accaccagag	119460
ccacagggag	agcacacctg	ggtccactgt	gcttattgct	gagctggctg	tcatgtccag	119520
gctgtccctt	gccccgagtc	ctgtgtatac	atctgtgggt	gtgcacatgt	ttgcatgaag	119580
gaattcaggc	cttattaaat	attctcagag	gggggcattt	ggctctaaat	gtatcatcaa	119640
tttatcatgg	aatcttgggg	gctgctgaca	cccctggact	ctccaggcac	tgaaccatga	119700
ggccctcctg	gaagcacagc	ttcttctatc	atctactttt	aaacaggaat	ttcctaattt	119760
attctgtgca	tgggttttgca	gtttcttgtg	ctgtgtgtgt	gctgtccaag	tgggtaccata	119820
ataaaagaga	aatgactccc	gagaggagtc	ttttcagaaa	ctgtaatctg	gggctggcca	119880
ggagggggccc	ggagaaggct	gaccaccca	aagaagggga	accagagaag	ccatcagagc	119940
tgctgccggg	ctaccctggg	tcccagtgtg	ccttctacca	aagttccatt	tgaacagatt	120000
cttctgtgtt	ctccctaaga	agcctcttat	cccagaaaca	ctccctcaat	ggacatagga	120060
aaccttggag	accttggact	cttcctgccc	ctgggggtcc	tgtggctggg	ctccccctcc	120120
tgcagctccc	ttcctcccag	catgccacca	ctagcagccc	accattcatt	catgtggact	120180
ctaaatctgg	caatccttct	agccttctca	ctctgtctgc	ttctagaacc	ttagtccac	120240
catccccgcc	cttctacatc	tccatccttc	tgtttagaat	tttttttccc	actttgtgcc	120300
cttgtgaatt	attcatcctt	caaggctcag	gtggagcata	cattctttct	tcaacctttc	120360
ccagccatcc	ccaaagaaaag	ctgattgatt	ccctagttaa	ataaggaagg	atgggctgga	120420
agcagtggct	cacgtctgta	atccccagcac				120450

<210> 10
 <211> 120450
 <212> DNA
 <213> Homo sapien

<220>
 <223> E533D GPR156 GAC genomic DNA

<220>
 <221> variation
 <222> (117166) .. (117166)

<223> n is a, g, t, or c

<400> 10

ggggaccgtg	ggcgtcctgc	acatagcagc	gggcttggcg	cttctcggcg	gtccgacgct	60
gatgaggtga	gcacagcgac	cttaaggatc	cacaaaactt	caaacactta	attattaagt	120
gaaagtggaa	agggggaggg	gctttctctc	cctttccaga	atctgggcag	tttgtttgga	180
accggtaaa	aaactctcat	aggaacttga	ggtgagcagg	ggtcacgcat	cagggatgcg	240
agtggcaatt	tcagtgggaag	agacgggaga	gtactgtaat	ttggtgtgaa	gatggggccg	300
tgggttttct	gctgaataag	cgaccggctg	tgctgaaaat	gagagatccc	gaaacagttt	360
cccaccgcct	gtagactttc	cagagtctcc	tcacgccgaa	tctgctttgc	agggcatggt	420
cacccccagg	gtgtagagtg	gcgggcacga	tgggctcccc	catggagatt	gcaaagtcct	480
gaaaagggac	aattgtattg	cactgcgtct	gttgaactgc	cttgcttctg	ggcatgaggg	540
agtcacctgg	aagctgcaac	atccttgtac	cctggcaagc	agccctttcc	aagttagctc	600
tgtcagaaac	tagaggcctc	taggtagaac	tcaaggatc	catgtactcg	tgaagaatac	660
aaaccttgag	gtttttaaaa	tcgaattttg	ttaagatttc	aggatagaaa	tctgggaaga	720
gaagtcattg	catggcataa	cttaccctt	tgttagtttt	ctaggtacat	gcatgcttga	780
attagaggta	aatgatgccc	tagcctatca	taaaatgtct	ttcctgggtg	agttctttaa	840
accagaatat	ggaggataac	attacatttt	tgcatcctag	ataaaaaggga	aagattttca	900
gatggggctt	acacagcggg	agaaaattgtt	gatatatgtt	tattaggcag	caaggcctgc	960
aaagaaaaac	ttctttttct	ccaccagtgg	ctgaattctg	cacagaatgt	ctcctcgcag	1020
tctgggtagc	agcccggctt	gcaaaaacag	tgcttctttc	attgctgcag	gtggggcaaa	1080
tgcgcttgcg	gataaatggc	tggggaagcg	tttgcttaca	ggttaaggca	atttgagtct	1140
ggagaataaa	gtgcttttagc	aggctgtgct	tgagttaggt	gtcccttggtg	aggaatagag	1200
gtggctttct	ggtcccccatt	ttgccagcct	aattccccct	cagggacact	actgtctctg	1260
gaatgttccc	tctgtttccc	cttctcttcc	acccccagct	tttagcttct	ccccattccc	1320
cagtaaagtc	tagaattgag	cctggtcaga	gtcaaaagttc	tgatagccta	gggatataga	1380
acttcaagcc	tgggtgaaggc	agaaatgaga	cctaggagag	acccaagatg	ggtgagatga	1440
aacaactttc	agcctagaag	gctctcaaaa	gagtggaaaa	ataatgattg	agggaaacag	1500
attctctgga	aaggagaata	ggtgcttaag	tgtttgtttt	cagctgaggg	ttttaatatt	1560
tccatttttg	ttgtttaacc	ataagggaat	ttccattata	gggtaggagg	aggatgaggc	1620
cttctctgaa	aactgcatcc	ttctccttga	atgttgcattt	tattccattc	ttatgtaggt	1680
ttcagagatt	aattggggga	agggggagag	aggaaaagaag	ccagaggctc	tgacatgctg	1740
cagaaacagt	gcaacgtgga	ctgacttggg	ctgcaaaaggt	ggatttgggg	gttgaaagaa	1800
atgttctaca	tttagttgaa	aaaaaaaaat	cagagccttt	attttgcaaa	ggtcttgaga	1860
atcagaacat	tcagtgttag	ttgctgatga	attttgcttg	ataaaggatg	caaatcacta	1920
tctcaccttt	ttttctccag	tactttatta	tgaaaaattt	tagacataca	gagatgtttt	1980
ctacctctca	ttttataaac	ttattatctt	aaaacaaact	tgtaataaaa	aatcagtgtt	2040
tagaatccag	acatatgtga	tctggtcctg	gacagagctt	gaatcagaag	gtgtttcaaa	2100
tatagatgtg	tgaaggatat	taacatttta	agaaaaaaat	atggatctta	ttcttctgac	2160
tttcccataa	gaatcttgag	cagaccctt	aactgccttc	tttttcccat	tcttaaaatg	2220
tcagtcatgt	ggatgatatt	actctcctgc	ttaacaccct	ccaatggctt	cccctcacac	2280
tgtgaataac	attcaactct	ccaccagggc	ttgtgatttg	gtctgggtgcc	ctcatattct	2340
atggccgtcc	tcttgcttac	catcgtcctt	gctcttccct	ctgcctgaac	actcttcctt	2400
cagacactgc	cactgcttct	tttctcagct	cattccagtt	tcttttcata	ctctccagaa	2460
tgatggccac	ctgatctaaa	acagcctgtg	gtcactccct	gtcttctgac	cctgctttat	2520
ccttcttcat	ggcacttagc	actccctgac	actatatagt	atatgtgttt	ccttgttaat	2580
tgggcatggt	ccccactcta	atgtaaaactc	catcaagaca	aggaattttt	ttgtcttatt	2640
tatggctgtg	ttcctatttg	gtatatattg	agcaattaat	aaataactgt	tggattaatt	2700
aggtaactaa	attacacaaa	taaggcattg	actcccataa	gggtggcaga	acccttggtg	2760
aaataactaga	agtcctttga	ggtaattcat	aattcaagtt	aatcaatatt	tgataggtaa	2820

atgatgaccc	tggagatcag	tggcctcttt	tatcctcaca	gcacttctca	gctgaatcct	2880
atgctaata	ctggccagtt	ttgacaaacc	cacatcccaa	acaagacata	aaatatctca	2940
gtcacagaac	ttttcttcac	gtctctttct	agtcacctcc	acccacacaga	agcagcaaac	3000
cttgttctga	tttctaatat	catagattag	tggttgctgg	tcctgaattt	catataactg	3060
cagttacaca	gtatgcactc	ttgtgtttgg	cttctttttg	ccctacacaa	tgtctgtgat	3120
attcatctgt	gccattgtgt	gtatcagtag	ttcatttctt	ttttttccaa	ggtagtatct	3180
attgtatgaa	tattgaccat	gtgtttatct	gttctcttgt	tgatagatac	ttgggtgttg	3240
ccagtttgtg	gcaattttga	acaaagctgc	tgtgaacctt	taaagggctt	gcctcatctt	3300
gagtccttct	tactttatat	gaaaatcttc	cttgtgccac	caatgcagag	agaagtatgg	3360
caaggttatg	ggggctgtga	ctgatgtagc	agcttgcatg	tacccagacc	agtgtctctt	3420
ctagacagct	ctgctggggag	ctgacctgct	tcccacttta	gagggaaaag	acttggaaaa	3480
tgagtgtcta	acaaatttagc	gagccctcca	gtgcactctt	aagtgcctta	aatccttgaa	3540
agagacactg	tggaatgcct	gctgccatca	ctgttgattt	tccctcctcc	tctcagcttc	3600
cccattcccag	cacaagttga	ctctaactcag	cttctgagca	ttatgctact	gaggggttta	3660
aacattcatg	agcaagagtc	ttgttcagag	cctgataaaa	tattcatgtg	tttccatggg	3720
gcattggttt	ccatctagac	ttctcaaggc	atttttctga	gatgcattgt	gtaattgtga	3780
agaactcaga	cagtgtatgga	tgatacggcc	ctgtgttatt	aaaccctacc	acacagagca	3840
ccttgctttc	tagggatgga	gaagaatgag	cacacagaaa	aattgacatt	aatcctgtct	3900
agatcaagag	aaaggctaca	tgtactgata	aaaatggctt	gagtaaagag	gggcctgtta	3960
atatagtacc	aacaaaggta	tgaatccata	gaggagagtg	aaaagaactt	gttaaaatga	4020
gaggaatgct	gggatgcagt	cattccaagt	ggaagaatgg	gggaatcagc	attgtaaaat	4080
gcacagttcc	tttgacactc	atgtggacga	ggttcatatg	agacaactgt	gctgagtgtt	4140
gtaattatca	caacctgcta	tgagaggatg	agagtagaag	tgagggctag	gcagggtttc	4200
caagtagagc	cagagagcta	ttccaagagg	agtcaacatt	tctcttcaag	gaagaagtgg	4260
ctttgagtca	ggttctgaag	gaggtgtgcc	tctttgactg	gcagctgcgg	tgtggaaggg	4320
actttccaga	gagacagaat	agcatgatag	agtgagggcc	aaagtgccgg	tgtggtgtga	4380
gtaaggagag	aaggtgggtg	gatgggggtc	agggcagggt	tgacagcaaga	cataaagcag	4440
gagagctaaa	ggccagctta	tgaaggccac	aggaggatgg	acttcagtct	gtttgctgga	4500
gggccgtgta	acttttggcc	agagattggg	ttacattttg	aggagtctct	gggaagtata	4560
tccaccctag	gcaaggcctt	gaggtatgtt	tatgtccaag	gcattttcag	aatattctgc	4620
tgtgtccaga	acactatgaa	gactctacgt	ggcttactct	aagagaggta	aaccagagga	4680
ggtcagatat	actcagtata	ctcctgggac	tgaccagaaa	caggcctcac	caggcacctc	4740
tctgccccca	gcacacaaac	actcagaata	ttctgagtca	gattgaatcc	acagcattcc	4800
ctagacttct	tcatgaccac	tttgccctcag	ctgggggagt	tgcaatgatc	taagtatccc	4860
cttatcacct	gaatctgggc	caggatacct	cagacatggg	ttgccaggca	actgagggct	4920
aagtgatgca	gctggccaat	catccccaca	aagcccaggt	ctgctttgac	caggccatcg	4980
ggctgtgacc	agagaggcaa	cttggggggg	tgaggatcat	cagactgatg	acttgtggac	5040
acaactgcc	ggcccccttc	atatgtcttc	ttcctttggg	ttgcagattt	ctattcaaaa	5100
atgcctcagg	atgttgattt	tttaacccat	aataaaaaata	gtgaagtagg	gaggagtgtt	5160
aaacatgtca	gtcatctata	ccttatgttg	tcattgggaa	gaaataactg	tggaaacaat	5220
tgtcccggga	aagtcagtct	tcagtctttg	agtgaggagc	tttgcatatg	tggagattag	5280
ctagaaagct	ctggagtctt	gatggtgaga	agggatttct	tgggtcaagg	ataggaaagg	5340
gcaagggagg	accttcatga	ttctccccag	ggctttgctg	gttggaattg	ctcttctgct	5400
gccatgggta	gcatgggggt	tcagtgactg	aaaacaccca	ggaaagtatg	ctctgggtct	5460
tcattgttgc	atctgcctac	actggaatgt	cagaccatca	gtcagcactg	ccagctctcc	5520
atcttgattt	tctaagagtt	attgagaaaa	ccttgaaaagg	gaaggcagaa	gtgggtgtct	5580
taactaggga	aatgccaaagg	tcctaaagggt	gtggtctagg	ttgaagggtg	ggtaaggggc	5640
tgaagtcatt	ggtctggcag	tacttcagac	caataaagtc	tttcttggct	cttatctaaa	5700
atattcctga	ttttctgtgt	gaggtggaat	ctctcaagtg	ctgcattaat	cagtcttttg	5760
gctgaacagg	taaatagggt	gcatgcctaa	ttgagtgcct	tttctttttt	taaagtttca	5820

gcttttattt	tacattaaga	ggatacatgt	gtaggattgt	tcatgggtaa	attggaccca	5880
ggcataagca	cagtacccaa	taggtagttt	ttcaacccat	gccccctccc	tcccttcccc	5940
ctgtagtagt	ctgcagtatc	tatctttcct	gcgtttatgt	ccatgtgtgc	tcagtgttta	6000
gctccactt	ataagtgaga	acatgtggta	ttttgttttc	tgttcctgca	ttaattcact	6060
taggataggc	ctccaactgc	atccacgttg	ctgcaaagga	catgatttca	ttatttttta	6120
tcctatgggtg	tttatgtagc	acattttcct	catccagtac	actgttgatg	agtgcctagg	6180
ttgattccac	atctttgcta	ttgtgaatag	tgctgtgatg	cacatatgca	agcatgtgta	6240
tttatgggtg	aatgatttat	atttctttga	atatataccc	agtaatggga	ttgctgggtc	6300
aaaggtagct	ctgtatttaa	gttttttgag	aaatctccaa	actgctttcc	acagtgggtg	6360
tactaattta	cattcccacc	aacaatgtat	aaatgttccc	ttttcttcac	agccttgcca	6420
gcatctgttg	ttttttgact	ttttaataat	agctattctt	actggtgtga	gatggtatct	6480
tattgtgggt	ttatttgcac	ttctctgatg	attagtgtatg	ctgagcatgt	tttcatgtct	6540
attggccaca	cttgtagcc	ttcttttaag	aagtgtcttt	tcatgtcttc	tgccactttt	6600
ttaatggagt	tatttgattt	ttgcctgttg	atttaagttt	cttatatatt	ctggatatta	6660
gaccttgtc	agatgcatag	tttgtgaata	ttttctccca	tgctgtaggt	tgtttactct	6720
tttgatgggt	tctcttgctg	tgcagaagat	ctttagttta	attaggtccc	acttgtcaat	6780
ttttgttttt	gttgcgattc	tttctgggga	cttggccata	aattctttgc	caaggccaat	6840
gttgataagg	gtatttccta	ggttttcttc	tatgattttt	atagtttgag	gtcttatgtt	6900
aaatctttta	tccattttta	gttagttttt	gtatatgggtg	aaaggtaagg	gtctagtttc	6960
attcttctgc	atatggctac	cagttatccc	agcaccattt	attgaatagg	gagtcctttc	7020
tccattgctt	gttttttgtc	agccatgttg	aagatcagat	ggttgtaagc	gtgcagcctt	7080
atttctgaat	tttctattat	gttccattag	tctatgtgtc	tctttttgta	ccagtaccac	7140
cctgttttgg	ctactctagc	aaattctttg	gaattaagga	aaatagggac	acaatttatg	7200
aagacctctg	ggatgtagcc	aaagcaatgt	taagaggaaa	gtttatagcc	gtaaatgcct	7260
tcatcaagaa	gctggaaaaga	tctcacatta	acaatgtaac	tttgcattta	aaggaaactat	7320
gaaaaaagga	caaaccaacc	ccaactctag	cagaagaaaa	gaaataacta	aaattaaaga	7380
aaaacttaat	gaaattgaga	tgcaacaatc	catatgaaag	atcagtgaaa	ccaagaatag	7440
gctatttgaa	aaaataaata	agattgatag	actgctagct	aggttaacaa	agcgggagga	7500
gacagtgaga	gagagagaga	ggatccaaat	aagtacaata	gaaataacaa	agatgacatt	7560
acaactgatc	ctatagaaat	acaaaagatc	cttggagaaa	actatgaaca	gctctatgca	7620
cacaaattag	aaaaatctaga	agaaatcaat	caattcctgg	aaacaatctc	ttgagattga	7680
atcggagaga	ttgaagtcct	gaatagacca	acatcaaaact	ctgaaattgc	atcagtaaaa	7740
caaacaaaca	aacaaaaaaa	acccttccaa	ccataaaaaag	ccctggacca	gatagattca	7800
cagccacatt	ctatgagaca	tgcaaagaag	aactagtacc	aatcctacta	aaacttacag	7860
aaaatagagg	agcagggact	cctccccaat	tcatcccatg	aagccagcat	cagcctaata	7920
cccaaactctg	gcagagatat	gatgaagaga	tatgattttt	gtgtctatgt	tcagaccaat	7980
atccctgatg	aacatagaca	caaaaatcct	caacaaaata	ctagcaaacc	aaatttagca	8040
gaacatcaaa	aagttaattc	accatgatca	agcaggcatt	attcctggga	tgcatgggtg	8100
gttcaacata	cacaaatcat	agtgagtcac	catgtaaaaca	gaattaaaaag	caaaaaccgt	8160
tatgatcatc	tgtgtcatct	caatagacac	agaaaaagct	tttgataaaa	tctaacatct	8220
cttcatgata	aaaactctca	acaaactagg	catcgaagga	acataacctca	aaataataag	8280
ggccatccct	gataaaccta	cagctaacat	catactgaat	gggcaaaagc	tggaaccatt	8340
ccccttgaga	actggaacaa	ggcaagaatg	cccactctca	ccactgctat	tcaaggtagt	8400
gctagaagtc	ccagccagca	cagtctggca	atagaaagaa	ataaaaaggca	tccaaataag	8460
aaaagaagaa	gatgaactat	ctccctttgc	tgacgatata	attctatact	tagaacaccc	8520
caaagactgt	tccaaaagggt	tactagaatt	gaaaaatgat	tttagcaagg	tttcaggata	8580
caaaatcaat	gtacgaaaat	cagtagcatt	tctaaacacc	aataacgtcc	aggctgagag	8640
tcaaatcaag	aacatgatcc	cattttacgac	agctgcaaag	aaaaggaaat	acctaggaat	8700
atagcaaacc	aaaaagggtga	aagagctctg	caaggagaac	tacaatacac	tgctgaaaaa	8760
aagttagaaa	caacacaaat	aaatgaaaaa	atatcccatg	ctcatggatt	agaaggatca	8820

atatcattaa	aatggtcata	ctgccccaaag	caatgtatac	attcaatgct	attcctatca	8880
aactactaac	atcagtcttt	acagaattag	aaaaaactat	tctaaaaactc	atatggaacc	8940
caaaaagagc	ctgaatagcc	aaagcaagcc	tgagcaaaaa	aaaaaaaaca	aagccggagc	9000
atcacactac	ctgagtgcct	tttctgaaca	gatatttcaa	tgattctgtg	attattcatg	9060
agccagtgat	ggctgcctgc	ttttggatgc	tgctaggata	aatgcagaag	atcagagtga	9120
agagggagag	ggaagcataa	cagcagcaga	gaggaaaagg	gaagagagta	gtgacgtgct	9180
gaaatcgag	agattgtggg	taccagttta	tctacaagtg	agaaacaggg	ataaaagaag	9240
atcaaataac	tacccatggg	aattttacat	gcaaataattg	ctgacttcca	aggcagctgt	9300
gaggagaaa	gaagggagga	gacacaaagg	cagctgtcac	agtcaatccg	aggaatatta	9360
ataaaaaactt	gacacatgaa	aacacatggc	cgtatcacaa	cagcctgggt	cccagcaagg	9420
atgtctattc	aaacccctct	ttcacatttc	cttatattca	ttcacagtat	taggtatttt	9480
gcaagacatt	catttgcact	tgcaaagata	cacaaatgca	gagtacttaa	aagggtaaac	9540
tatcctaaaa	tattagtggg	gagattataa	atgattattt	gtattttttc	aacttatcta	9600
tgttttccat	gattgtttta	agaagtgtga	atttctttga	taatcagaaa	aacattaagg	9660
agaaaagggg	ttaagtaggg	aggtagagaa	agaggcatgg	ggtggggaga	gaggattgta	9720
gaaaagaaaa	atatgttggg	agatgaatga	acaattttta	aactttatgt	ttcacagact	9780
gctagcttgt	gcatattttt	ctttattatt	gaatatatat	gtttatcacc	ctcagaagat	9840
ctggaagtac	caattggcat	gaaactgaat	tgcaaatact	gagctaagta	tcacacctcc	9900
aagaccattg	ccttggccag	tgccattctg	tgtgtgacat	gtggcttcca	gtgatgctca	9960
aagtattttc	cgccaaaggc	taatagagaa	cacttcaaac	ctgggcagca	gcatctctcc	10020
cacagggttt	aatatittata	cttgtagcca	cgtggctggc	tttgtgcttc	tcctctctga	10080
agtatggaac	aggagccaac	aaaggctgtc	aatagttgga	gtagtgggat	tttccaagac	10140
aaaagcgtga	gttattctcg	tccacgtgtt	tgctggctgc	tactggctc	aggcagcccc	10200
ttggcaagct	ctgtggctga	ggctttaaat	aaatagatgt	agtttttgtt	tcacaaccac	10260
tgaccttttc	tggaggcact	gttgattctg	ggctttaatt	ggcttctgtt	gagtgcacac	10320
aggatgaacc	tctcttcaag	agcagaagct	cctatctgct	gttaaccacc	agcatcaatt	10380
caaagcaaat	gccagaggac	cacatacctc	actgaactct	ggggactggg	gttacttgta	10440
gttatgtctc	aataaatact	ttttataatt	taacttttgc	atttttaagt	tgtaaaagct	10500
atacacactc	atggtaacaa	gtctagtaag	acagcagtat	ataaagaaaa	tatggccagg	10560
cgcagtggct	caccccatag	ttccaatact	ttgggaggcc	gagatgggtg	gatcacttga	10620
ggtcaggagt	tcaagaccag	cctggccaac	atggtgaaac	cccactctta	ctaaaaatta	10680
ggctgggtgc	ggctggctcac	tcctgtaatc	ccatcacttt	gggaggctga	ggcgggtgga	10740
tcacaaggct	aggagttcaa	gaccagcctg	gccaagatgg	tgaaaccctg	cctctactaa	10800
aaatacaaaa	attagctgag	cgcagtggca	ggcacctgta	atcccagcta	cttgggaggc	10860
tgaggccgga	gaatcacttg	aaccgggggg	gcagagggtt	cagtgagccg	agatcctgcc	10920
actgcactcc	agcctgggcg	acagcatgag	actccgtctc	aaaaaaaaaa	aaaaaaaaaa	10980
attggccagg	taaggtggct	catgcctgta	atcctggcac	tttgggaggc	cgagggtgggt	11040
ggatcacctg	aggtcaggag	ttcgagacca	gcctgaccaa	caaggtgaaa	tcccatctct	11100
acaaaaaata	caaaaaattag	ctggacgtgg	tggcaggcgc	ctgtagtccc	agctactcgg	11160
gaggctgaga	caggagaatt	gcttgaacca	gggaggcaga	ggttgcatgt	agccgagatc	11220
gcaccactgc	actacaacct	gagcgatgga	gcgagactct	gtctcaaaaa	aaaaaattag	11280
tcaagtgtgg	tggcgtgtgc	ctgtaatccc	agttacttga	gagggtgagg	cgggagaata	11340
gctcgaaata	gcttgaaccc	aggaggcaga	ggttgcagtg	agccaagatt	gtgccactgc	11400
actccagctt	gggctaccga	gggagactcc	atctcaaaga	aaaaaaaaaa	gaaagaaaat	11460
ataagtaatc	tccaccttct	ctcactccca	tctttctgac	aaaaccacta	tttaaagcgc	11520
ccaggctggg	cgtgcgggct	gacatctgta	atctgagcac	tttaggaggc	agaggcagga	11580
ggatagcttg	ggtccaggag	ttcaaaacag	cctggacaac	atagtgaaac	tccgtctcta	11640
tgaaaaaaaa	aaaaaaaaatag	ccaagtgggt	ggtatgtcat	cctagctact	tgagaggatg	11700
aagtgggagg	atcgcttgaa	cccaggagggt	tgaggctgca	gtgagctgtg	atcatgacat	11760
tgactccag	cttgagtaac	agagtgaagc	cctgtctcaa	aaaaaaagtt	tcattgttat	11820

tcacatgtca	cgatcacagc	tactgcagc	ctcaacatct	ccagctcaag	ggatccttcc	11880
acctcagcct	gccaaataac	tgggaccaca	ggcacatgcc	accacacccg	tctaattttt	11940
aaacattttt	gtagaaacga	ggtctcactg	tggtgcccag	gctgatcttg	aattcctcgg	12000
ctcaagtgat	cctcccacct	cagcctccca	aagtgtggg	attataggca	tgagccactg	12060
cactcagccc	cttcactcct	tttctatgtt	caaacaaaca	tatgagtgtg	tagacttatt	12120
ttctattgta	tgtgaaaatg	gaatcatata	tgttattatt	tctttcattt	tatttagtac	12180
atattatgta	cattatttcta	gattaacaca	tataattgat	ccaatttatt	atttttaata	12240
gctaccta	attccattat	aggaggttcc	ataatttctt	cccattcatt	acttccccat	12300
tgatagatat	tcatgttttt	cttccaactt	tttttgca	acaacttatg	ctacaataaa	12360
cattctacat	ttattcctat	actttgggtt	ttatttccat	aggagagatt	cccaaaattg	12420
tcatttttgg	gtcaaaaggga	atacacaatt	ttaatttctca	ctgtaggtct	cctttacagc	12480
agttgtttct	ctcctccttt	tgtcttttctc	tccccctctcc	caccacattt	tgccagcagg	12540
gcctgtgtgt	ttaagaagga	aagcctgcag	tgagaactcc	tctgtgcca	gtgtggatta	12600
tatcagctta	gtggggaact	ggagtctgca	gtgtctcagt	tacatttgtgt	ctctcttgct	12660
tttggttggc	cagactgttc	acaattcccc	ttgctgattt	attccatgct	gtggaattat	12720
acatggctctt	catccgtggc	aggatcatct	gagggtggc	tttttgggaa	gggtgtcttt	12780
tcagaaaagaa	taggctcagt	tactgtactt	tctcacaaag	ctatatctgt	tatgtttttt	12840
tgttatgccc	tttctttaat	agttggattg	aaaaagggtt	ttcaattccc	atcccgggtct	12900
tctgtcttca	ttttgaggac	ttgggattta	gggagtttta	tgagtatata	atcaatcaac	12960
tgtaactgat	tatttgacat	gaggataatt	agttaagaag	gtaggggtct	tggagcttaa	13020
ggatcagtg	caagcaacag	acgtgaacat	ttttaaacaa	atggttttta	caaaccgggt	13080
attaggagca	agcttcccag	gagtactaag	ctttcatttt	ttaattttgc	ccttgctggg	13140
atgtaaaact	tcagtctagt	ctaccagaat	agagaggagc	tggtattctc	accacaccag	13200
ggctggagag	gagaaaatgt	cagagaagcg	ttaagggaag	ctggtaagta	caaataagtg	13260
aaataaatat	aaacagtga	ctgacaaaat	ggcaaaaagt	gaatgaaatt	tgaaaatcct	13320
cagctgaaga	ttatttgtga	accagtgggtc	ctgtgagcta	gtggacactt	tataaaaaatc	13380
tgtgatctct	aaaacatatt	agatacccca	gtgtgaatct	gtgttcagaa	tacaaccatt	13440
agctaagcaa	gacagagaaa	tgataagtcc	tgttggcaga	tattttgcta	ttgacttcta	13500
taacatatgc	tgcaattttt	actcagcagc	tttggaatgg	atttctatgt	cctaggttga	13560
aaactaaact	aaaagaaaaa	cagaatagaa	gttactgcac	ttaatttcta	aggagaaaat	13620
tttaacttta	gtttgtgcat	gtatatgcct	gcaaaaataag	cattaccctt	tatgttaata	13680
caaacttcac	atgaatgttt	aattttcaaa	tatgcactga	ccagtaataa	tgatggcaaa	13740
attagactct	atagtaggtt	tatgttttat	aacttaggga	ttctataatg	tatcttagtt	13800
gatgtcgtag	ttaatagtaa	ggatagtaat	atcttataca	gtttgcaactg	tcgtctgagt	13860
aaagattatc	tttaaacatt	tgttcctgtc	agaaaaattt	taaggctaaa	cctattataa	13920
gatattaagc	atctgatattt	ggctataatg	gactatctgt	gagtagattt	ttactcctat	13980
acaggacatc	tagaaaagct	gagttttaaa	aatctattttg	aaggcataga	agacctaata	14040
aggcagctag	gacttgagag	ctaagacctc	agaaagaaga	gaaactcatt	gagtgttcca	14100
aatttctaggc	tactttttcc	ctgtagacac	ttaccatttt	taagtagcac	atgaggagaa	14160
cccaaaacaat	aagcagctgc	taaaatcaga	gaagccaggc	agattattcc	acagtctgat	14220
agggctgggg	aggaaaaaaa	aaaattgaat	tcaaggaaac	caaattgattc	aggacatgag	14280
aaaccatgat	catggacaga	aaagaggccc	agaaaaatca	actcaatagt	ctaagcaatt	14340
ttccttccaa	gtcattcact	gatttataag	tagcgcagac	caagagggtg	caaaaatcca	14400
aacacaaaga	aggtgctaaa	aagctgagaa	gctaatacaga	gctacttgca	atcttattac	14460
actaggaaga	taaaaattat	tatagaatgt	aaagcccacc	aatgtggtat	ggcctgaaaa	14520
acaccctaag	ctttcagttg	ggactgctga	cggattatgc	ctgaccagtt	aaaggaaacc	14580
agaaaatagac	ccggtcaaat	aaaatattga	agtccatttc	ccgatcaact	tagtcaactga	14640
ttagattaaa	gtaatctgtt	cttatttttaa	caccctagca	taagtcttct	ccatattcctt	14700
tggagaagaa	aaaatgatcc	agaacctgtg	tatttttcat	atgtgggttc	tggtattcag	14760
caaagcaaaa	caaaaacaaa	acaggcatac	caagatatag	tttccagaat	atggtacaga	14820

gagaacccag	acttcctgag	ttgagaagac	agagctcccc	atgtctgggg	agaccagggc	14880
aactagagtt	tgtaggacag	agtattggag	aggagagagc	tgcagagaga	accccagagt	14940
tcctcacagg	gtacacctca	agtataaagc	tgagtactga	gcagcacatg	catgtaagga	15000
aactacctgg	gataaaagaaa	gaactaccca	aaaggattag	aagaaatagt	gctcattggt	15060
cacacagggc	tgggaattgt	gcctattccc	accagctaga	cttgaaaagc	tcataattca	15120
tggaggggtg	ggtagtatac	tttgaaagac	catgccttag	tagtgggaag	tagccctaga	15180
ttgagcactg	cactgatcct	gtctaacaaa	tcttttaaaa	agacccaaaa	ggaacaaatt	15240
gttccagtta	at ttgactgc	atcccagaac	aaagctcaaa	actattttaga	ggtatttgga	15300
atagcagtat	tagtaatat	gcagagggaa	gaatattgcc	agggataaag	aaaatcattt	15360
cataatgata	aaggagttga	ttcatcagaa	agacataaca	gtactaaaca	tttatgcatc	15420
taataacaga	acttcaaaat	acataaatga	gaaattgata	gtgttccaag	gaggaataga	15480
caaatccata	actgtagtcc	aaagtttcat	taaccttctc	tcagtaattg	atgaaataac	15540
agaaaataat	taggtatata	aaagaagata	aaaatacaat	caactagctt	gacctcattg	15600
atctttataa	gatactctac	ccagctacag	caaatacata	ttcctctcaa	gtgtacatgg	15660
aacatttatc	cagttagacc	atattctgaa	ccataaaaca	agtctcaata	aattttaaag	15720
gatttttagtt	atataaggtg	tgttcttgat	cacaatggaa	ttaattaaga	aatcagtaac	15780
aaaatttctca	aatat ttggt	aactaaataa	catccttcag	aataactcat	tagtcaaagg	15840
agaaatcaaaa	aggaaaaatta	gggccgagtg	gagtgactca	catttgtatt	cctaacactt	15900
tgggaagttg	aggcaggagg	attgcttgag	gccaggagtt	gaagatcagc	ctgggcaaca	15960
gagtgagagc	ctgtctttaa	aaaaaataga	aaaaaaaaaat	tagctgggca	tgggtggtgtg	16020
cactcataat	cccagctact	tagctggagg	attgcttttag	cctaagagtt	tgaggttgca	16080
gtgagctatg	atcatgccac	tgcattccag	cctgggcagc	agagtgagac	cctgtctcta	16140
aaaaaattat	ttttaataaaa	aaataaaggg	aaatgagaaa	atatttgggg	ctgaaagtaa	16200
aagctcatat	atcaaaaagca	gtacttaggt	ggaattttat	agtattataa	gcttataagg	16260
tggggcacag	tggctcacgc	tggtaatgcc	aacactgtag	gaagtcgaga	caggcggatt	16320
gcttgaaatc	aggagttcgg	gaccagcttt	gacaacatgg	caaaaccctg	tttctataaaa	16380
aaatacagaa	aattagctgg	gtatggtggc	acgtgcctgt	agtcccagct	acttgatggg	16440
ggctgaagca	ggaggatcac	ttgagcccag	gatttcgagg	ctgcagtgag	ccgagatcac	16500
accactgcac	tccactccag	cctgggtaac	aaagtgagac	cctgtccccc	cacacccccg	16560
caaaaaaaaag	cttataagaa	gaaaggctctc	agattagtg	cctcagcttt	catcttaaga	16620
aaccaaaaaca	gaaaaagagc	aaatgaaatt	caaaaataagc	agaagaaaga	aaataagaaa	16680
tatcaaagca	gaaatcaata	aactagat	tgaaaagtag	agaaaaatcaa	tgaaagcaaaa	16740
tgtgttttca	ttgagaatat	taataaaaatt	gattaacctc	ttgacagaaa	acaggaggag	16800
gaaaaagaga	ggagttacaa	tttaccaata	tcggaatgag	agaggtgaca	tcactacaaa	16860
ttctacagat	actaatggat	aataaggaaa	cattatagct	tttctccaat	aattccatca	16920
acttattaat	agatgaaatg	aacaaattcc	ttgaaagaca	caagctacca	aagttcactg	16980
aagaggtagt	agagaatgta	aaagcccaga	tctattatag	acagtctcga	aagttagaaa	17040
tagaagagaa	cttccttagc	ctgataaagg	gaatctatgc	aaaacgtgca	cctaacatca	17100
tatttagtgg	taaaagcaaat	agtaatatata	tcgatttttt	ttctttttttg	agacagagtc	17160
ttgctctttc	acccaggctg	gagtgcaggg	gcgcgatctt	ggcccactgc	aacctccacc	17220
tcccgggtcc	aggcgatctt	cctgcctcag	cctcctcagt	agctgggatt	acaggcacat	17280
gccaccacac	cctgctaatt	tttgtatttt	tagtagagac	agggtttcac	catgttggtc	17340
aggctggtct	tgaactcctg	acctcgtgat	ccaccacct	tggcctcca	aagtgtggg	17400
attacaggcg	taagccactg	cgcccagctt	tttttttttt	tttttttttt	tttgagatgg	17460
agtcttgctc	tgtcgcccaa	gctagagtgc	tgtggcgtga	tcttggtc	ctgcaacctc	17520
caactcctgg	ttcaagtaat	tctcctgcct	cagcctcctg	agtagctggg	attacaggtg	17580
cccaccacca	tgcccagcta	at tttttttat	tttttagtaga	gaatgggttt	caccatgttg	17640
gaccaggctg	gtctcgaact	cctggcctca	ggtgatccgc	ccaccttggg	atcaccaagt	17700
gttgggatta	caggcgtgag	ccactgtgcc	tggcctgcct	agacttttaa	cttatttgtg	17760
taattacttc	aagtatagat	tactccaatt	taaacacaaa	gattgtgaaa	ctagatgaag	17820

aataaacata	ttcaaaatga	ttattaaatg	ttttaattgg	tgacagagtt	tttcatagcc	17880
ttttatcatc	tcagtgcatc	atgtttttatt	tgtaggtagc	cacagagaaa	cagctacatt	17940
tataagaaca	ccatgaagaa	taattaaaaat	gttctttttt	tttttttgag	acagagtctt	18000
gctttgtcac	ccaggctaga	gtgcagtggc	aagatcttgg	ctcactgcaa	cctctacctc	18060
ctggggttcaa	gtgattctcc	tgccctcagcc	tccctagtag	ctgagattgc	agggtgtggac	18120
cactacacct	ggctaatttt	ttgtattttt	agtagagatg	gggtttcacc	atgttggcca	18180
ggcttgtctt	gaactcctga	cctcaggctcg	atccacctgc	cttggcctcc	caaagtgttg	18240
ggattacagg	tgtgagtga	cacacctggc	ctaaaacatt	cttttatccc	tgacttcagc	18300
tgagtttagt	ttgaaatgag	gctcttttatt	tgggggtgatt	gggctttgca	ggagggttgg	18360
tgggtggcct	ataattcccc	ccaatattgt	atgtaagata	ttacatgttt	gtatacagtt	18420
tttcaggaga	gagtcctgtag	ctttcatcag	tctctcatga	ccaaaaacta	tttaagaatc	18480
atggcttgaa	gaatgaaaga	atcgagtgcc	atgttaagtg	tctaatttct	caataatact	18540
tccctgaaac	taatttctag	agaataattc	aaatgacttg	atctaaatat	gtgtgcatga	18600
gtcatcaaag	cagcctggag	taacatatta	aaagttatcc	caagggtctg	tctggttcaa	18660
actctgatga	aagccctata	tttcttatcc	tggactgggt	ttctcatagt	atgattccca	18720
gatcagcagc	agcatcagca	tcacctagga	acttgttaga	aatacaaatt	ctcaggccgg	18780
ccccaggcca	tacctactga	gttacaaaatt	ggagatggga	ccaggaatcg	gtgttttcta	18840
aggagctttc	cagggtgattc	tgggtgtgcac	taaaagtttga	taaccactgg	gttaggctat	18900
aattagaaaa	tcctgttctc	cgccccgctc	ccaagccagg	tttagaacag	tttgtaagc	18960
aagtatctgc	agaaagacca	gtctaattgtt	gacagcttct	attttccatc	tttatggaaa	19020
aatcgtaaa	cctcaaaagc	ccaaatcacc	ctcacacaag	tgtcttgggt	tgcacagcaa	19080
caccaaaca	cagtttagag	taatccaatg	tccagctgaa	attggaatta	tagagacaca	19140
gcatgtgagt	tcactcacaa	aaatttttac	caggaggctt	tttagggatg	agccccgtaa	19200
ttccaagggc	cttggctctc	agcctccttt	gaggcatata	acacagtctc	ttgaacagac	19260
tgaccctcag	taatgagggt	tcattaccct	cttccagaca	tgtggcaccc	tcacaaacat	19320
cctttaacag	agtgtctcagt	atcaccatgc	ttcgtttgca	aagtaactta	atgaattcgc	19380
tcagccctata	ttcttagtac	ccagtggttag	ggatctcagc	tgtagcagca	taaaacttga	19440
actgtccaaa	accagtctct	gaaaccttca	agtgtttatt	ctgtctactc	ctgctgttgc	19500
ttgaagcttg	atgtgttgtt	acaccttact	gttttgctga	tgagaaatag	cacagggtac	19560
ttctcagtgg	ttctcattaa	aggagggcag	ccaagtggaa	ttcattcttg	gctcttaata	19620
gttttcaaat	gagaatttta	ttgcatacta	atgagcacta	attgacattt	gtgactgttt	19680
tttatggaaa	taatgcatgt	acaatttgca	taatagtacc	taagtgcctt	taggtaacag	19740
tacaactctg	ggaagtgtgt	gaagggtttt	gtatgatgct	ttttaaaaaa	gttcccaaac	19800
cccagccctt	agaatagtat	agaatattaa	caggctctctg	ggatccaaat	ataaggcagt	19860
agtagtgact	cagttcctgt	agttgtacca	gcttgtagct	gagagtcaga	aaatgcatca	19920
gggcagggtct	ctaaaagcag	gaagcgctcc	cacagtagcc	agggaggatg	ttccagccct	19980
ctctaccttc	atgtgtcaac	cctcctgctt	ctcctaagtc	atgagtatct	agacagtgc	20040
gaggattgtt	ccaaggactc	ctacactgta	aaatgttttc	taaacatcac	ttggttgata	20100
tcaacaaaca	tggattgatc	acctactatg	tgccaggcac	tgtgctagat	gccagagtaa	20160
gcccattgtt	gcttgctgcc	tgctgcatcc	ctatctctta	gcacaatgag	gcaacagtta	20220
tccatcaatg	tttattgaat	taatgaacat	gctgtctgcc	ctcagggatc	tgaggattca	20280
ttattcttac	aaaatctgac	gttgaataca	gtataaaaatt	tgttgctctt	catgttagaa	20340
atattaatta	ttcagaactt	ggaattctgt	taggaaattt	agagaaacaa	gataatcttg	20400
gttttatgtg	ccccaagttt	tctgtatatc	aaatgaccct	tttaaatatt	gtgaaaatga	20460
aagaagccaa	tgtttactga	agatctagta	cgtatcagtt	acttttgcac	acatcctata	20520
catcctatga	tttaagcatc	aacaaaacct	atgagggtga	gatagtatta	tctgtgttta	20580
attgagcaag	cagctaagaa	ctggagaaagt	gactaaccta	aggcatcaca	gatagaaaaat	20640
tgtggaactg	ggacttaaat	tcagcctagg	ctgtgtctgt	tgcactgccg	cttattacat	20700
taaatgatcc	taggatattgt	taagcaaagc	caaactctga	agtattgtac	tagtgatacg	20760
gctccgatga	ctggaggaac	actgggggttc	ttggtctcat	gccgggttgg	ataaaatgac	20820

atggacacac	gtggagtgg	tttagggagg	gaaaagttta	ataggcagga	aagcaggaag	20880
gaagaagaaa	acagctcccc	ggtacgggga	gagaagtagg	gggattcaaa	caaagagaaa	20940
acctcatgtg	cggcagaaaa	gtggctgctt	atatgaggat	gcaggaggag	gtgggtgctg	21000
atttgcatag	ggctcagggg	attggtttga	ccagtcattg	cattcctgca	gcctgtgaaa	21060
aaactgaccc	tcccacccta	gctttttaat	atgcaaagtc	agggcgccat	tatgtttttac	21120
acacatgggg	acatgtgggg	gtggccatgt	tgccaggcac	atgtaggggc	aagggaaga	21180
agatggcagg	aatcaccatg	tttggatgga	cccagtttct	aatggctggc	atttgcatat	21240
caaagcttgc	tggcccagct	cagagccggg	gctttcctgc	tagacaagaa	acgtttctgg	21300
agctgcttta	aaagaaataa	aaactcccca	aggacccctt	ttcctctcta	tctgcctaaa	21360
ataatttatt	aataactcct	gtaacactag	gatggaggga	tgaattggtc	caggggtcct	21420
ggtgtgtgcc	ctgcattcag	ttgacctact	gtttacaata	cacctactgt	ttacaacact	21480
attttctaga	tcttgtgggg	aacccaaacc	aagggccagt	ctggctcacc	tataattcca	21540
ccaagcagcc	agaaaagtat	aaacgctcta	cagcaaaggg	ataaatcaag	gtttagtaga	21600
agaaaagctt	tataagtaat	gtggaactaa	aagggtgaat	atagttttca	ataatgttga	21660
gcataaatgt	tctccagatt	gtggaaagat	cactaactgt	tggctgggaa	gggtaggaga	21720
ggagagagtt	tgaacacag	agaataggaa	ggagtgggtg	tgtagtccaa	taactcacc	21780
agaacccatg	gacgtgaaag	ctttgtttgc	tctcagatcc	ataactagac	taaaggagtg	21840
aatcagatct	gctcccctgc	accccaccc	gctcaccttc	cacacctgcc	aagggccacc	21900
cagcaattcc	attctgcttg	tcaaatcccc	taaggaggat	atgtctggaa	cagccaccac	21960
tcctccccct	gctcttccct	ctggtatgtc	aggattccct	gcacaaccgt	gctccagggt	22020
ccttgggatg	attattcaga	aaccagagaa	gtatgtagaa	aacttaatcg	gaggcactta	22080
aaggctttta	aagggaattt	taaaaaccat	ctttccctct	tttataaggc	agtctgagta	22140
tttaagaagc	aaattaattg	agtccacttt	acagtgttgg	ggcaaaagca	tgcaagttcc	22200
aacattttaca	cactaacaga	aaattctttt	cccttccact	gtgctccttt	tctttcttgg	22260
gcctgctcca	caaacttcta	accacagtcc	taaattggta	ccccatgacc	ctgtgtgctt	22320
cgattgccta	cactggtttc	agaccacgc	tgtggattca	aatcaaacct	gcctttctcc	22380
ctgttactat	gtccaccacg	cacctcctt	gcacacacag	tctttctctt	ctttcctcca	22440
tgtgcagacc	tttaccacag	ctgtcccaaa	tgtgtgaaag	gccaaaccata	actcttcctt	22500
taaaggctct	ttagagcagt	atggaaagag	tgtgaacttt	ggaagaccta	gattctcttt	22560
ctatactcat	tatgtgatcc	tgagcccctc	acttaacctt	gcagggcact	tacaaaataa	22620
agagatggag	ttcatgatat	cttaagggtc	ttttccatgt	ccaacattct	ctgactcttc	22680
atctttccct	gactcaacat	tctgttccta	tatagtcaac	accttcccac	cttaatctca	22740
tgtctatgcc	ctcttagaaa	gtctttacaa	ctgttgaggg	tgcagtggct	catgcctgta	22800
atcccagtac	tttgggaggc	cagagtgggc	agattgcttg	agctcaggag	tttgggacca	22860
gcctgcataa	catggtgaaa	ccccgtcttt	attaaaaata	caaaaaaaaa	aaaaaaaaag	22920
ccagatgtgg	tgggtgcttg	ctgtgggtcc	agctactcag	gaggctgaaa	tgggaggatc	22980
acttgaaccc	aggaggcaga	ggttgcagt	agctgagatc	atgtcattgc	attccagcct	23040
gggtgacaga	gagacaccct	gtctcaattt	aaaaagaaaa	aaaagaaaga	aagcggcggg	23100
ccgcggtggc	ttacacctgc	aatcccagca	ctttgggagg	ccgaggcagg	tggatcatct	23160
gaggtcaggg	gttcgagacc	agcctggcca	gcattaagaa	actctgtctc	tattaaaaat	23220
acaaaaatta	gctgggcatg	gtgggtgggca	cctataattc	cagctactca	ggaggctgag	23280
gaaggagaat	cgcttgaacc	cgggagggtg	agggtgcagt	gagttgagat	cgtactattg	23340
cactccagcc	tgggcaagaa	gagtgaact	ccatctcaaa	aaaaaaaaaa	aaaaagaaaa	23400
tatttgcata	tgtgaactgt	cttctgtgtt	gaggatgttt	gtggcagaag	gagatagacg	23460
taggctctgt	ctacgtctgc	ctgggtgcctc	cacaaggagc	agtgtatgct	cagagaatag	23520
aagtgaattt	tactattagt	ataggtgacc	catattgaaa	atgtttgtaa	atctgctacc	23580
agaacaacac	agtcattcaa	agacaattaa	aaatgcattt	tatacttcct	gctatttata	23640
attattcatg	gatctgctgc	ctacagtcag	gtagtataaag	gagagccaga	aggaatcata	23700
gtgaacatct	catacaatgc	tatctttgtt	gttggtttga	acataagcat	ttttgcgtga	23760
atttgcgtgt	aggtctcttt	tatttctctt	attgcataac	ctgaggctga	aatacttcaa	23820

gtaatgtatc	tatttgctca	tattgggtag	aaacatccct	attattccaa	ttttcccttc	23880
tcctgcttaa	aacatatagt	gaaatgaaag	atgcagagat	aaggaaatca	gggaaaagaa	23940
aaatagtcac	aggatactaa	aatgagccac	agatacctga	aactgcatag	ttgctataaa	24000
tgagccataa	atttgattct	gagctttcca	gtggcccca	aaagataaac	ataatagtat	24060
ttattccatg	acataaaaaat	gtatttgtat	ttctctgtgt	tcaagaggaa	gagaaaatttg	24120
tactatgggt	cctcatgaag	gagccactaa	gtcagtgttg	tagaccacac	attcaacgat	24180
atcgtattaa	tacccatgat	gatgaattca	ttcattcaat	aagcatttat	tgagtactta	24240
ctttgtgctg	tatatgtttc	agtgtattgc	agtaattatt	ctttttgatg	ctcaaattgt	24300
cctattgtgg	gtcagtagga	gcccgttgat	tcattgtcctt	ttgacattat	tctgtagttt	24360
ttgatacttt	ttttcctagc	atgatgagat	gttccaggct	tatgtcgtat	atttcttggt	24420
ccgtaactca	aattgaccat	tttgttaatg	aaacttgatt	tttttcagt	aaaagtgggt	24480
ttatagaaca	caatctgggc	acttgaagt	tttattgtta	ctgggttgct	attacttaca	24540
agactcagtt	aacaaattag	gaaaaagatt	gatttagaaa	gaaaataaat	cctgagttca	24600
tattgttatt	tccaatttaa	agattaaagg	gttttcgtat	aacttatttt	atatgtgtat	24660
gtcttttctc	ttactttgaa	atcttggttt	ccaataacat	gaacataatt	acttccctta	24720
tcctaatagg	tacgtatatg	tgtatatgtc	tatgtatgta	tgtatgtagg	tatgtatgtg	24780
tgtatgtttc	tatctgtaaa	acaggaaaaa	taccaccta	atggagctta	agatttcttt	24840
atgagtattt	tttgtcctta	gggtatttaa	tcaaattact	gttacttaaa	ataatgtttc	24900
tctatgtggt	tatgccatca	acttcatata	caattatttt	atttcaattt	gtcttcgatt	24960
tttaaggatg	gttttcttct	tctgatttaa	ttttgttttt	aaattatgta	aaatattttc	25020
ttggtttcag	agtcaaatct	atgaacattg	agaggctctat	tttgcctctc	tgtcccctcc	25080
cccttattat	tttactcccc	ttatagataa	tgtctttatt	tttccattac	tttttttttt	25140
tttttttgga	gacaggagtc	tcgttctgtc	accaggcag	gagtacggta	gtgtgatctc	25200
ggctcactgt	aacctccacc	tcccaggttc	aagcaattat	cctgcctcag	cctcctaagt	25260
agctgggact	acagacactg	accaccatgc	ctggctaatt	tttgtatttt	tagtagagac	25320
agggtttcac	tgtgttgatc	aggctggtct	caaactcctg	acctcaagt	atccgcctgc	25380
cttggcctcc	caaagtgccg	ggattacagg	tgtgagccac	cgtgcccagc	ctctattact	25440
ttttgaaaaat	aagccaatga	cctatatgta	tcctatctcc	tttcttacac	aaaaggtagc	25500
aggccagagt	tcaagattac	agtgagctgt	catcatgcc	ctgcacttta	gcctgggcaa	25560
cagagtgaga	ccttatctct	aaagaaaaac	aaacaataaa	aaattttaaa	aataatttct	25620
atgaattaaa	aataatttta	aacacaactg	catatgaaga	caacaaagga	aaactctcag	25680
gaaacactga	aatatgaaaa	tcaagtgaga	ttagagcaaa	taaggatgtg	tatgggaagg	25740
ttctgtagaa	gacagattga	ggcccaaaaca	gagagagctc	taaatacatc	atgaagggtta	25800
ccagaaatgt	gagaaattcc	tgaagaagag	ggaagaagca	aatcctctcc	aaatttagtt	25860
cacttagttg	ataatcatta	gttgattccc	agtagagtca	gtcttttatc	atcagtgcc	25920
ccactgttgt	tctctgcatt	aacaaaggag	atattaatct	ggaaagctgc	aatcattttc	25980
actgtagaat	cagcctttta	tttttttaggg	ttttttaatt	tttttttttt	aggacacctt	26040
catttaagat	cacttcatat	ctcctctggc	ttttgcaaat	gctctttggc	tgatctactg	26100
tttccaccac	tgtcctcaac	atttttttagt	atattattta	atttatgtat	gtattgggtg	26160
ccactgatta	ttgtttgcct	tccccattg	gaacacagat	tctataaaaag	tagggatctt	26220
tattttgttt	accactgtat	tccagggtgcc	tagaacagtt	cctttcacat	tgttggtgct	26280
caaaaagaaa	aaagttaa	gaatgaatat	cagcagcaag	agcattttga	ggagaaagca	26340
aagggtgaac	tgtgggggtc	tccattaatg	tatgtatatc	atcctcttat	acatttgtcc	26400
catcaccgc	tagccctgga	actctcatta	tttttttttc	tggtaatgca	ggctccaact	26460
caactggcaa	tgagaatatg	aactgaggca	actgtatttg	aaaaatgaaa	gaatataggt	26520
gatatgggtt	taaaagaattc	agtatttgtg	tatttttcca	ataagtacat	gcttatgagc	26580
atagccttac	aaaaataacaa	aaataatttt	ttacattttac	tcacacactt	accattttcca	26640
gcactcttca	ttcctttgta	tagatccaaa	tttgtatctg	gcatcatttt	acttctgcct	26700
aaagaactaa	ctctaacatt	tttttatagt	gcatgtctct	cagattttct	ttgtctgaaa	26760
attactttat	tttaactcca	tttctgaaat	acattttcag	tgggtattgt	attctgggct	26820

gacttttttt	ttttttccca	gtgcttgaga	gatgccattc	cattctcttg	tggctttcat	26880
tatttttgat	gaaaaatcag	ttgtaagtct	tactcttggt	cctctgtaca	taatctgact	26940
gctgcttcta	aaattttatc	tttattgctg	gttttttagca	atttctgtgc	cttgttttgt	27000
ttttgttatt	tagtgtttgt	tctgcttggg	attggttgag	cttggatctg	taggtttata	27060
cttttcatca	aatacgaaaa	attttgggtca	ttattttttca	aataatttttt	ctactcctcc	27120
ctcctcactt	tttccccctc	aaacagcagt	tacatgtatg	tcagacaact	tgctattatt	27180
ctataagtca	ttgagacaat	gttcattctt	ttttattttt	aatttttgtg	ggtaaataagg	27240
tgaatatatt	taggggttca	tgagatgttt	tgatataggc	atgcaatgta	aaataagcac	27300
atcatggaga	atggggatatc	tattccctta	agcatttatt	ctttgaatta	aaaacaatcc	27360
acttacactc	ttatcacttc	tcagcctttt	gggataagat	catgtgtaaa	aacaatgtac	27420
ttacactttt	catttttaaaa	tgtacaatta	agttattatt	gactatagtc	accctgttgt	27480
actatcaaat	agtaagtctt	actcattcta	actaattttt	tataaaacttt	aactataccc	27540
acttctcctc	ccacctccca	ctccctttcc	aacctatggg	aaccatcctt	ctatactctg	27600
ttcatgagtt	cacttgtttt	gattttttaga	tcccacaaat	aaataagaag	atgtgatgtt	27660
tgtctttctg	tgcttggcct	atttcactta	acgtaatgat	ctccagtgcc	atccatgttg	27720
ttgctaatta	ctggacctaa	ttcttataca	tggatgaata	gtacatcatt	gtgtagatgt	27780
accacatttt	ctttattcat	tcattctgtt	atggagactt	agattgcttc	caaatcttag	27840
ctatagtaag	caatgctgca	acaaacagga	gtgcagacat	ctctttaata	tactgctttt	27900
ctttcttttg	ggatatatac	cagcgatggg	attgccagat	catacagtag	ctcaattttt	27960
agttttttga	ggaacctcca	aactgttctc	cataatgggt	gcactaatgt	acattcccac	28020
caacagtgtg	caaggggtccc	tttttctcca	catcctcacc	agcatttggt	attgcctgtc	28080
ttttggatat	aagccatttt	aactgggggtg	agaagatatt	ttagttttca	tctgcatttc	28140
tctgatgata	aatgacattg	agcatctttt	catatacctg	tttgccattt	gtctgtcttt	28200
gttggaaaaa	tttctgttag	ctcttttgcc	cattttttta	atcggattat	taaaattttt	28260
cctatagagt	tgtttgagct	ccttatatag	tctgggtgatt	aatcctttgt	cagatgggta	28320
gttggcaaat	attttctgtc	attctgtgag	ttgtctcttg	actttgttga	ttgtatcctt	28380
tgatgtacag	aggcttttga	acttgatgtg	atcctatttt	tccatttttg	ctttggctgc	28440
ctgtgcttgt	ggcatattgc	tcaagaaatg	tttgcccaga	ccaatgtcta	gagactttct	28500
gcaatgtttt	cctgtagtat	tttcatagtt	tgaggcttta	gatttaagtc	tttaatccat	28560
tttcatttga	tttttgtata	tggtagagaga	tgggtgtcca	gtttcattct	tatgcatgtg	28620
gatatccagt	tttcccagta	ccatttattg	aagagaccct	ctctttccca	gtgtatgttc	28680
ttggcacctt	tgccaaaaat	gagttcactg	tagtttctgg	gttctctctt	ctgttctatt	28740
ggctctgagtc	tgtttttatg	ccagtactat	tctgttttag	ttacaatcat	tctgtagcat	28800
aatttgaagt	caggtaaatgt	gattcctcca	gttttgttct	tttcactcag	gataacctta	28860
actattctgg	gtcttttgtg	gttccacata	aatttttagga	ttgtattttc	tatttctgtg	28920
aagaatgtca	ctggtatttt	gatagggatt	gcattgaatc	tgtagattgc	tttgggtagt	28980
atggacattt	taacaacatt	gattcttcta	atccatgtat	atgggatatt	tttccatttt	29040
tgggtgtctt	ttcaattttt	ataatctgtg	ttttatagtt	ttcattatac	agatctttca	29100
cttcttttgg	cagggttaatt	cctagatatt	taattttatg	tgtggctatt	ataaatagga	29160
ttacattttt	atttcttttt	cacatagtct	actgttggca	tatagaaatg	ctactgattt	29220
tttataaact	tttatgttat	gttcagggtg	ataggttacag	gtttgttata	taggtaaact	29280
catgtcatgg	ggtttgtcgt	acagattatt	tcattcaccca	ggtactaagc	tagtacctat	29340
tagttatttt	ttctgatcct	ctccctcttc	ccactcttca	ccctcagtag	gccccagtgt	29400
ctgttggtcc	cctctgtgtg	tccatgtgtt	ctaactcttt	agatcccact	tgtaatgtgag	29460
aacatgcagt	attttggtttt	ctgttcctgt	gttacttttc	taaggataat	ggcctccatc	29520
tccatccatg	ttcctgcaaa	ggatataatc	tcattctttt	tatggctgca	tagtattcca	29580
tgatgtatat	gtaccacatt	ttcttttttt	ttcccttcaa	cttttatttt	aagttcaaga	29640
gtacatgtat	gtacaagatg	tgaagttttg	ttacataggt	aaatgtgtgc	catggtagtt	29700
tactgcacag	atcatcacat	cgcctaggta	ttaaggccag	catccattag	ctattcttcc	29760
tgatgtcttc	cctccctcac	cacacccctt	ccgacaagcc	ccagtgtatg	ttgttgcccc	29820

ctcacatgtg	tccatatgtt	ctcatcattc	agctcccact	tataagtgag	aacatgtagt	29880
gtttggggtt	ctgttcctgc	attagtttgc	tgaggataat	ggcttccagc	tccattcatg	29940
tccctgcaag	gaacatgatc	tcattccttt	ttatggctgc	atagtattcc	atggtgtata	30000
tgtaacacat	tttctttatc	tagtatatca	ttgatgagca	tttaggttga	ttccatgtct	30060
ttgctattgt	taatagtgtc	gcagtgaaca	tatgtgtgca	tgtatctttg	taacagaatg	30120
atttatattc	ctttggatat	agacccagta	atgggattgc	tgggtcaaata	ggtatttctg	30180
cttctagggtc	tttgaggaat	tgccacacta	tcttccacaa	tgattgaact	aattcatact	30240
cacaccaata	attccttttt	ctccacaaca	ttggcagctt	ctgttgtttt	ttttgacttt	30300
ttaataatag	ccattctgac	tggcatgaga	tggatatctca	ttgtggtttt	gatttgcatt	30360
tctctaata	tcagtgatgt	tgagcttttt	ttttcatatg	tttgttggcc	agatgtatat	30420
cttcttttga	gaagtgtctg	ttcatgtcct	ttgcccactt	tttaatggtg	ttgtttgttt	30480
ttcttgtaaa	ttggcttaag	ttccttgtag	actctgggtta	ttaaaccttt	gtcagataga	30540
tagattgcag	aaatttttct	cccattcttt	agggtgtctg	tttgctctaa	taatagtttc	30600
ttttgctgtg	cacaagctct	taagtttaat	tagattccat	ttgtcatttt	tgctttcatt	30660
gcaatcactt	tcggcatttt	tgtcatgaaa	tcttttctcg	tgcttatgtc	ctgaatgggt	30720
ttgcctagac	tttcttctag	agtttttttt	tatagttttg	ggttttacat	ttaagtcttt	30780
aatccatctc	cagttaattt	ttgtatgtgg	tgtaaaggaag	gggtccagta	ttaattttct	30840
gcatttgggt	agccagttcc	cctagcgcca	tttgttaaat	agggaatcct	ttccctattg	30900
cttgtttttg	tcaagcttgt	caacagtcag	atggtggtag	gtatgtgggtc	tgatttctga	30960
gctattttgt	ttcattgggt	tatgtgtctg	cttctctaca	actacatgc	tatttgggtt	31020
actgtagcct	tgtactatag	tttgaagttg	ggtagtgtga	tgcccaagc	tttgttcttt	31080
ttgcttaata	ttgccttggc	tattagggct	cttttttggg	tccatatgaa	ttttaaaatg	31140
attttcttct	aattctgtga	agaatgtcaa	tggtaattta	atgggaatag	cattgaatct	31200
ataaattact	ttgggcaata	tggccatttt	catgatattg	attcttccta	tccatgagga	31260
tgaatgttt	ttccgtttgt	ttgtgtcttc	tctgatttct	ttgagcagtg	gtttgtagtt	31320
ctccttgaag	aggctcttca	cttcccttat	tagctgtatt	cctaggtatt	ttattctttt	31380
tgtagcaatt	acgaatggga	gttcattcac	aatttggctc	tctgcttgcc	tgttgttggt	31440
gtataggaat	gctagcaatt	tttgcacatt	gatgtttata	tccttagtct	ttgctgaagt	31500
tgcttatcag	cttaagaagc	ttttgggctg	agacaatggg	gttttctaga	tataggatcg	31560
tgtcatctgc	aaacaaagat	aatttgactt	cttctcttcc	tatttgaata	ccatttattt	31620
ctttctcttg	cctgattgcc	ctggccagaa	cttctaatac	tatgttggat	agaaatagtg	31680
agatagggca	tccttgtctt	gtgccagttt	tcaagggaat	gcttccaact	tttgcccatt	31740
cagtatgata	ctggctgttg	gactgtcata	gatggctctt	attattttga	agtatgttcc	31800
ttcaatacct	agtttattga	gagcttttaa	catgaaggga	tgttgaattt	tatcgaaggc	31860
cttttctggg	cctattgaga	taatcatgtg	gtttttgtct	tttattctgt	ttatgtgatg	31920
aatcacattt	attgatttgc	atatgttgaa	ccaaacttga	atctcaggga	tgaagccaac	31980
ttgatcgtag	tggatacgct	ttttgatgtg	ctgctggatt	tggtttgcca	gtattttatt	32040
gaggattttt	gcctcaatgt	tcatcaagga	tattggcctg	aaattttctt	ttttgttgt	32100
tgtatctctg	ccaggtttgg	tatgaggatg	atactggcct	caagaatgag	ttagggagaa	32160
gtccttcctt	ttcaattttt	tggaaaagtt	tcagtagaaa	tggtagcagc	ttttctttgt	32220
accgctggta	gaattcagct	gtgaatctgt	ctgatcttgg	gctttttttg	gttggttaggc	32280
tatttgttac	tgcccaatt	tcagaacgtg	tcattgggtg	attcagggat	tcaatttctt	32340
tctgcttcag	tcttgagaag	gtgtatgtgt	ccagggaattt	atccatttct	tctagattct	32400
ctagtttatg	tgcatacagg	tgtgtgtagt	attctctgat	ggttgtttgt	atttctgtgg	32460
gatcagtgat	gatatcccac	ttaacatttc	tgatttgtgc	tgtttgattc	ttctctcttt	32520
tgttctttat	tagtctagtt	agttgcctat	ctttttatta	attttaaata	aaacagctcc	32580
tggattcatt	gatttttttg	aaaggttttt	tgtgtctata	ttttcatttc	aactctgatc	32640
tgatcttggg	tatgtcttgt	cttcttctag	ctttgaaatt	tgtttgcttt	tggttctgtc	32700
attcttttag	ttgtgatatt	agggtgttaa	cttgagatct	ttctagcttt	ttgatgtggg	32760
catttagtgc	tataaatttt	cctcttaaca	ctgcttcagc	tgcacccag	agattctggt	32820

atgttgcttc	tttgttctca	ttagtttcaa	ggaatttctt	gatttctgcc	ttaattttgt	32880
tatttaccca	ggagtcattc	aggagcaggt	tgttcaattt	ccatgtagtt	gtgtggtttt	32940
gagtgaattt	cttaatcttg	agttctaatt	tgattgtgct	gtggtcagaa	agactgttat	33000
gatttcaata	cttttgccct	tgctgaaaaa	gtgccatgtg	gtgatgagaa	gaatgtatat	33060
tctgttgttt	ttgggtggag	agttctgtag	atatctatca	ggtcctcttg	atccagagct	33120
tagttcaggt	cctgaatatc	tttgtttaatt	ttctgtctca	gtgatatgtc	taataattttc	33180
agtggagtgt	caaagtattt	cactattatt	gtgtgggagt	ctaagtctct	ttgtaggtct	33240
ctaagaactt	gctttatgaa	tctgggtgct	cctgtattgg	gtgcatatat	atttaggata	33300
gttagctctg	cttggtgaat	tgaacgcttt	accattatgg	aatgcccttc	tttgtctttt	33360
ttttatcttt	gttggtgtaa	agtgtgtttt	gtcagaaact	aggactgcaa	cccttgcttt	33420
tttctgtttt	ccatttgctt	cataaatttt	tctccattcc	cttattttga	gcctatgtgt	33480
gtctttgcac	ttgagggtggg	tgtcttgaag	acagcatact	gatggccctt	ggctgtttat	33540
ccagcttgcc	attctgtgac	ttttaattgg	gggcatttag	cccatttata	tttaagggtta	33600
gtattgttat	gtatgaattt	gatcctgtca	tcatgatgct	agctgggttat	tttgctgact	33660
tgtttttgtg	gttgcttcat	agtgtcactg	gtctgtgtac	tttagtatgt	ttttgtagta	33720
gctggtaaca	gtttttcctt	tccataattt	gtgcttcctt	caggagtgtc	tgcagggcag	33780
cctggttgtg	acaaattccc	tcagcatttg	cttgtctgaa	aaggatctta	tttctccttc	33840
acttatgaag	cttagtttgg	cccgatgtga	aattctggat	tggaaatatt	tttctttaag	33900
aatgttgaat	attggtttcc	agtctcttct	ggcttgtaga	gtttctgctg	aggagtccac	33960
tgttttctgt	tgggcttccc	ttttaggttg	acctggactt	tctctctggc	tacccttagc	34020
attttttttt	tcattttcac	cttgagaaat	ctgatgatta	tgtatcttgg	agttgatctt	34080
cttgtggagt	atcttactgg	ggttctcggc	atttcctgaa	tttgaacttt	ggcccatctt	34140
gctagcttgg	agaagttttc	ctgtatgcta	tcctgatgca	tgttttccaa	ctcagttcca	34200
ttctgcccct	ctctttcagg	tacccagctc	aagtcatagg	tttggctctt	ttacataatc	34260
tcataatttct	ctgagggtttt	gttcattcct	tctcttttta	tttgtttctg	tattcttgtc	34320
tgccctgtcta	tatgcagaaa	gatagtgttc	aagctctgaa	attctttcca	ctgcttggtc	34380
catcctatgg	atacttgtga	ttgcattgtg	aagttcttgt	gtattacaag	aactttattt	34440
ttttatcttt	atccagctcta	ccattgatgg	gcatttaggt	tgattctatg	tctttgttat	34500
tgtgaataat	gctgtaatga	acatactaga	atgattcatg	tttatttggg	taaatgtgtg	34560
ttgatttcgt	atcctgcagt	tttattgaat	ttatcagttc	taatcatttt	tcttgtggag	34620
tcttttaggtt	tttccaaata	taagatcata	ttgtctgcaa	acaatgatca	tttgagttat	34680
tccttttcaa	tttggatgct	ttttatatct	ttctcttatc	taattgctct	agctaggact	34740
tccagtagta	tgttgaataa	cagtgatggc	agtgggcatac	cttgttgtgt	tccagatttt	34800
agaggaaagg	ctttgtcctt	cccctatgcc	ccaggtaggt	ccaggagtca	aggactagag	34860
tccaaaacct	tagaagtcta	cctggatttc	tattatactg	tggctgagct	ggccctcaga	34920
ccacaagaca	cagtccttcc	cactcttctc	tcccctttcc	aaaggcagag	gaactgcctt	34980
tagtagagac	agggtttcgc	catgttggcc	actgccaacc	cagcccatga	ggaggactgc	35040
cagactactg	ctgatgttcc	cttaaggccc	aagttctctt	aaatcagctt	gtcctgaatg	35100
ttacctagcc	tgagactcac	ccttcaggac	agtgggctcc	cctctggccc	agggaaggctc	35160
cagaaatgct	gccccagggt	caagtcctgt	aatcaggggac	tccaagagcc	ctcttggtat	35220
tctaaccctt	tgtatctgtg	gtggtacctt	aggtgcaaga	caaagtccct	tttacatttc	35280
cttctgcttt	tatcaagcag	aagttttgtc	ctgcagccac	cacagctggg	aatgtactga	35340
gttctacctg	aagccaggaa	gtctcagagg	ctcacccaag	gccctcaaca	tagtccctgg	35400
ttattgctgc	tggttattca	gaaccaaggg	ctcttcactt	agcagggtgat	aaatgccggc	35460
agggtgggt	cctttccttc	aatgcagtgg	gttccctctg	gcccagggtg	tgtctagtaa	35520
tgtcacctgg	tttctagggc	ctagaatgga	ggcctcatga	ctctgaccag	tgccctatcc	35580
tgctgtggct	gcgctgggtat	cctagacgca	agacaatggt	ctccccactt	ctccctctcc	35640
tattctcaag	tggaaaggaag	gggtctcttt	tggagctgta	agctgtgtag	cctggggtaa	35700
ggggaggggt	gatgccaaata	ctctcttggc	tgccccagct	gggtgtctcag	taggttgcat	35760
gcactcccag	tctgctgtct	ctgggcctag	ttcagcacca	ggactcacct	aagagttgca	35820

gtccttatgg	cctagactgc	ttttgaagtt	tacttggaga	caaagagcac	tgtggccttc	35880
actggtgagg	tttacaggca	ctcaagttta	gaccactggg	attggtgatt	cttctctggc	35940
tagggctggt	ttaaatcctc	cctccgtttg	cacatttcag	ctgagtttga	tctagtttgc	36000
ctttctgctc	tgatttctgg	ttcttatgaa	ggtgtttttt	tctgtgtaga	cagctgttaa	36060
cttgggtgcc	ttgcagaggg	aatgatcagt	ggagccttct	atttcgccat	cttgatccgc	36120
cgccatatat	cattcttatc	aatcattttc	tgtttatgca	cctgaaaata	cactggtata	36180
caaaattaag	atccttactt	tcacagaatt	tgtgttctaa	tgggggaagt	caataatcgg	36240
tggacaccaa	tacatatata	aattaaataa	cacattaaaa	ggtgttgagg	acatgctggg	36300
catggtggct	catacttgta	atcccagcac	tttggggggc	cgaggcgggt	gcatcacttg	36360
agatcaggag	tttgagacaa	gcctggccaa	catggtgaaa	ccctgtctct	actaaaaata	36420
caaaaattag	ctgggtatgg	tggcagggtgc	ctgtaattcc	agctactagg	gaggctgagg	36480
caggggaatc	gcttgaagct	gggaggcaga	ggttgcagtg	agctgagatc	ctgccactac	36540
actccagcct	ggacaacaga	gtgagactct	gtctcaaaaa	aaaaaaataa	ataaaaaataa	36600
aagctgttga	ggacaatgga	ggaaaaggca	gatcagagaa	agaacattta	caaaagccag	36660
agggagtgtg	aagcaatttt	aaatgaggtc	agatttttgg	ataatttcta	ttgctatggt	36720
tttaagttaa	ccaatgtttc	tttttgcaat	gtctgatctg	ttacattttt	atttcagata	36780
ttatatgttt	atctctagaa	gttctattta	gatctccttt	ttatctttca	attctctcct	36840
cattttgttc	atattttgct	ttatatccta	gagcatattt	ataatagttg	ttttaagggt	36900
cttgtgtgat	agttatatca	tttctgttat	ttctgtgtct	gatattattt	atctattttt	36960
taaaacttta	tgggtatagg	tcataatttt	tcatttcttt	gaatgcctgg	tgattatttt	37020
gaattttaca	ttgttgagca	ctggatgttg	ttatatctct	tttaagagca	ttgagttgtg	37080
ttctggaatg	cagttgagtt	tttacagatc	actttgatcc	atttgagact	ttccttttagg	37140
gtatatccag	agtaacatct	agtttagagt	taatttgttt	ttactactaa	gatgtggcct	37200
ttctgaggat	tttatccaat	gtcctgtgta	ttttggggtc	tctccacact	ggctgatgga	37260
aacacagggg	agtctcagcc	ctgtgtgagc	tccaggaatt	actcagctat	tgccctatcag	37320
tgtttttttc	ttcaactcca	agtagtttct	tccagctcat	atccaaatca	tacttaggag	37380
aagactgggg	gggatcctct	gcagattttc	aaagtgtctt	ccccactctc	tgtatctccc	37440
tcttcttcat	tactctgtcc	cacaaattct	aaccacctca	acatccttaa	attccaatcc	37500
attccccctt	acctcaggta	gaattctagg	ttctgattgg	ttttccctcc	acgtgctgtg	37560
acctggaaat	gacctccagg	cagtatctct	taggaagccc	agttgtgtgg	catctgttgt	37620
acaatgcctg	aaaatgattc	tttcatgtgt	tttgtctggg	tttcaacttg	ttcacagaaa	37680
aaagcaattt	gcacagcagt	taattcttca	cagacagaag	cagaagttct	accaactgca	37740
aaacaaccaa	aacaacttgt	taaaagacag	tatttgtatg	actggtcata	aattacgtat	37800
agaagaatag	agattttgtg	agaaagatat	gggcctgtac	agaggggtga	acttgcaaata	37860
gaccatcttg	cttgggggata	gtgtctgttt	tcctgatcct	aatcactggg	aaggattctg	37920
taatctctgt	caaataaatt	gcaaacacta	ccacacatgg	ccttgggtct	actactgtct	37980
atgacataaa	cagtttctcc	ctagagactt	agttgtgagg	gtacagggggg	aaggtagcct	38040
ttggaggggg	ctggaagacc	cttccctttg	tgccctcgat	tctgtatata	tcttgtgggc	38100
agaagtctta	ccattaccct	ctctgataac	tccccaccca	ctttcccaat	cactaaacac	38160
tttttgaaac	cattcaactc	tttcctttca	atgattgagc	ccttcattgt	ttcatcagct	38220
cctcttgtgt	gaatctctct	gaatgtgtgc	caagtttgca	gtttaatgcc	tgtcccatgt	38280
aggagcccaa	tatcacggta	tataaagttt	ctacactgga	tatccatgga	ctgaagaggg	38340
gcctagcatt	cagggttcca	agccagttag	tttagcttat	ccaagggtag	ctctagaatg	38400
tgctcagaaa	tttattccaa	gtcagagttg	catccccag	gacttttaggc	tcagatggac	38460
aaccccatca	tatttacaga	atccctcaaa	gataatttaa	gtttaagatt	gtcagcccac	38520
ctgggggtgca	cagtgttgac	cagggtttct	taaccttagc	actgttgaca	tttggggcca	38580
gataattctt	tgttggttcag	accatcctgt	gaattatagt	atgttttagca	gcatccttgg	38640
catctacct	ctagatgtga	atagcatcct	tctcttaatt	ttgacaacca	cagatgtctc	38700
cagaattgcc	aaatgtcccc	taaagggtgca	aaattgcata	gttgagaact	actggtaaag	38760
aggcactatg	gcatgccaaag	ctctagggag	cccacagaag	tgcacctctg	ggaactaaag	38820

ctgaagaaac	ccaagaggcc	ccttggtatc	ttcttggaag	aagttagtcc	agagtgtctg	38880
caccatgtgg	agtgtatact	gggatgacat	tgaccttgga	atgtaaaactc	ctgggattct	38940
tgctctcgca	gatttggagc	agggttttct	tcttctctgc	ttttcagttt	acttatttga	39000
aaatgaggaa	tgggtgtttac	atcacaaaaac	actgtagtga	ggacaaaaatg	agggttttatg	39060
tatatataca	cccatacata	tacatataca	cttcttccaa	atgatataat	aatatataaa	39120
cattgaatga	ataatgggtc	aaatataagt	gtacttattt	gccactatga	ttaaaagggc	39180
aatataggaa	aaatacattt	tcttctaatac	catcatgttg	taataatcct	ccctgtgggt	39240
gcagtatggt	tctgtgctag	aaggcacaat	aggaaatctc	taactttaaa	aaaaaagaaa	39300
agaaaaaata	tctttctagc	aattaaaaatc	tcaactaaat	tagaatgcaa	atagggtttt	39360
atatttgctt	cttaattttg	cattcaataa	tctgactaga	atatgcaata	atttaaatagc	39420
cttgatggga	gatagtggct	tttagttctc	ttgggatttc	attgtaataa	acctggtaaa	39480
taattcagga	acatatgaga	ggccaatgaa	tggtcagcac	ctggtgctat	attatttgtg	39540
cctaagcaca	cagactccaa	agatggcact	ctccacctgt	cactgttggt	ctggcttaaa	39600
catgggccct	gtgttcagtg	gctattgaga	taatagtaat	ggatatTTTT	gccttgtcca	39660
attttcctcc	acaatcaaag	aaaactgtgc	taagctgttt	aaaaaataca	aagcagaagt	39720
ggcagcctct	tttagattac	cactggtaaa	atttcaaatc	tattttctct	attaagggat	39780
tgattgtttt	aaagaattag	ggatatggct	atcttttcta	ctggtgctaa	tttgagcctt	39840
tttgcccttc	tgtctttgtt	ccacaaggct	gagcttctct	ttagatcaca	ttattcatat	39900
tgcaaggatc	ttctgagaga	aataacacca	tcctctggcc	agccactcac	tctgcaggag	39960
ttcctagagc	tccccagttt	ctttccctat	tgccctgagta	gtctatctca	cgccctgtag	40020
tctcacagtt	taaatacaaa	cacacaaaga	ctcttgagg	cagcttgggt	acctttcttt	40080
gacccagcc	gactggacat	agagaacaag	agctagagag	aacaagagct	agagtgaccg	40140
acagatcatg	tgtggagaca	gcatggggca	cctgagccca	gcaccatcca	ggatcagaca	40200
gaacttaagc	catgagctgc	ctagaaaagat	cttggggagg	cactgggttt	cccagtatgg	40260
aaaaaagaaa	aatgtggctc	acaagtctaa	gctaaggctt	ttacagtact	gggccataaa	40320
caggatctga	aaagaaactg	cagaaaaatgt	tagatatgct	ttatctttgt	tttaaaaaata	40380
ttatttacta	taatggctta	aaatatgttg	atttaaatat	atgatatttg	atacctttgt	40440
aatatatata	ataaagtgtg	taataaaaata	taactatata	attaaaatag	atgatatttt	40500
aaaacctctc	taataaaacca	tttacgtgtg	tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	40560
tgtgtgtgtg	tatacatgcc	tttgtttaac	aggtttaatt	gctttccttt	cttcaggaac	40620
cagagtgagg	gtactcgaac	agtgactgcc	atctggtggt	taaccagaat	catcaccttg	40680
tgtagcctga	tggttactaa	gatgtccact	cttgactcac	atggcatgca	ctcgcagcag	40740
gggaccagtt	gaaggatgtc	tgacttttga	gggtcaccag	ttgaaggatg	tctgatgaag	40800
gagcctagcg	aaataaccct	ttgcttctac	ctgaatgggt	tgttcactct	ggattctgag	40860
cctgcagcca	gctccaaaat	ggggcctctg	aagaaaagat	ttgagttgct	cttgtgtctt	40920
agtcaaagat	ctacatccct	accagtgggt	aaccaagact	gtgaataagc	acacaccaac	40980
aggggcatgt	ggtgacatgg	agcctgaaat	aaactgctct	gaattgtgtg	acagttttcc	41040
tggccaggag	ctggatcgga	gaccccttca	tgatctctgc	aagacaacaa	ttgtaagtga	41100
gcagccacag	gatgccaggg	ctgctcagat	gtatgtggtg	gtggtggtgt	tggggaggag	41160
gaggtggagg	gaaagggggga	tgaggaaggg	gaggagtggg	aggagaaaact	gctcatgcag	41220
gatacatatt	tcccagcact	tggtgacgat	ggggcagttt	gtttttgacc	tatagaagat	41280
ccttcattcc	taacagctcc	tccttattct	gtcctcagac	atcttccac	cacagcagta	41340
agaccatctc	ttcattatct	cctgtcctct	tgggtattgt	ttggactttt	ctcagctgtg	41400
gacttctgct	gatacttttc	tttcttgctt	ttacaattca	ctgcaggaag	aacaggtaag	41460
cagcccagtt	tctcatcaca	catagctcaa	tcatgaaatc	ccaaatgtta	gtatcttttg	41520
gcagcacaaag	ccactatctg	gtctccctc	acaggattaa	accacatgag	acattccctc	41580
tgaaaatagtc	tacctgttga	gaaggggaaa	gatctagggtc	ggtattgtgc	taactactgc	41640
aagggtatcc	aaagaagaga	atgaagagtc	tctctctata	atggagggtac	aatccttctg	41700
agaagatgag	gtatctgtat	ttaaaatgaa	gaccatgtag	aggattccaa	aacaacacaa	41760
aaacttgagg	acagcacagc	agaaccagtc	tgggtgagtt	agggtttctg	caaaagcagt	41820

gaagcactgc	tacctggcta	tttgctagat	aattctggct	gactagaaag	tcatcagctt	41880
atcagggtaa	gtatggctcc	caggattcgc	aaaagaagca	aaatggtgac	ttttttctga	41940
agggacttat	agcaccttgc	cttggatgca	atctcatcct	tcctcagggc	ccatcccatc	42000
tctcccaccc	ccacactgta	ccctcatcct	accacagccg	tcccaggggtg	cctcatgaga	42060
agccctgctc	cagccctctc	cttagcccac	agctgacttc	tagatggagc	ccacaatcag	42120
aaattaacaa	cttcctcaaa	ccagccaaac	tcgtccagcc	ccactccagc	cttaccctgt	42180
gtggtgacca	agcatgtcgt	gctccattgc	ctgtggattt	gacactcaga	tgagaattgg	42240
tcagttgcat	tttgggatgc	tgttttgcca	tgtaggcat	ggaggacgtg	gaattgttaa	42300
gcagcagtga	ttggttggtg	ggtcagcctc	agcatgggtg	tgatacgtgg	cactccaact	42360
agagtatacc	ccagagactg	cctcagccac	ttttcattct	gttcctcaag	cacactacgc	42420
tgactcccat	ctcaaggctt	ttgtacttac	tgttcctgta	ctgttccctc	tgcttggaag	42480
tcctcctcag	atattcccat	gactagttcc	ttctcatctt	ataggtcttg	gctccagtgt	42540
cacctcttca	gagacacctt	ccctgatcat	cctatctaaa	gtagtatccc	tacccatgat	42600
cacccccctca	tctcattcca	tatcctatca	gcctgtttta	tgttccttat	agcaagcata	42660
gtctgctatt	accatatttg	ttgattttacc	tgttgattgt	ctgtatcccc	taccagaatg	42720
gaattctgtg	aacacagggga	ctttgcctgt	cctcttgtgc	ccaccactgt	gtctccagca	42780
tttagaacag	actctgggat	ataatagggtg	ctcagtaaat	atgcatccag	tgatcctggg	42840
aggaaagaga	tttaaatccc	aacggtggct	gctgccaaaca	aagtgactgg	gaaaatcatg	42900
catttcaagg	ttagagaact	atggagtaca	gtcttttcag	ctgtaacatg	tttctataat	42960
gcaaagtaat	actcaattgg	tattaccag	ttggtaataa	gaaaattatg	tcattgattc	43020
atatgttact	tttccccag	caaatcaata	atttaaacad	tcaggggcaa	gctttctcac	43080
agctagtaaa	ggaagcttta	agcttggcag	ttccttcctt	tggtgcaagt	agtgtctggc	43140
ttaatggctt	aagaacttgt	gtcttcctta	caagatgagg	ctgtaggagt	agatgaagaa	43200
gtggagaaga	catttgctt	atgtttaaaa	acttcagttg	attgttaaa	aaagcacaga	43260
tccagagcag	atttttaatt	ttttgacaat	gttatctact	ggagatgaat	gcccctgagg	43320
acctgtgtct	tgagatttaa	gactgtagaa	gttgactttg	atcctgggta	caaagtctag	43380
tggacattta	ctgggtggta	gtgttttagt	tgggaataat	aatattttat	taatactctt	43440
gttacaaagt	taactgtttt	gagtgttatg	accccatcct	attttcccca	cagtctatta	43500
tttttacata	taattttgca	gaatacaagg	tttatcaagt	atttatatat	cctgttaaaa	43560
caggaacacc	tgtaaacagc	attatactag	aaacccttat	atttctttca	ctctattaaa	43620
tattttgctg	cctgttttgt	ttgcagtggg	agcatgactt	ggcataaaga	ataaaatatt	43680
aagagggtatt	gtgaataaaa	acacatttta	caattaagt	gcttacaagg	tcagacaagg	43740
aaagataaaa	taaccaggtt	tcaaaaagtg	tttattgaac	aatacatttg	ttaaaagatg	43800
cagcatcaca	atcagatgct	ttatttcgtt	acaattctgt	ggtctctaaa	tttgggactg	43860
tgtgtgtgag	tattcatgtg	tgtgtatatg	caagaaagga	gaggaagaaa	aatattttta	43920
cacaataaaa	ataatacaaa	aatgttttaa	tccagttgca	gatattgaat	ttttataaaa	43980
atttcaaaaa	ccagtaaaaga	taaagaaaac	ttgaacacta	tcaaccaact	tgacccaatt	44040
gacatttata	ttacctttca	cccaacaaca	gcagaatata	tattcttttg	aagtacacat	44100
ggaacattta	ccaagatata	tcatattctg	ggccatagaa	aaagtctcat	taaaatttaa	44160
agggttcaag	ccgggtgcag	tggctcatgc	ctgtgatccc	agcacttttg	gaagctgagg	44220
cggatagatc	accagagggtc	agcagtttga	gaccagcctg	gccaacatgg	tgaaaaccca	44280
tctctactaa	aaatacaaaa	attagatggg	tgtgggtggca	tgcacctgta	gtcccagcta	44340
cttggggaggc	tgaggcagga	gaaccgggga	ggcagagggtt	gcagtgagct	gagatcatgc	44400
cactgcactc	cagcctgggt	aacagagcaa	gactctgtct	caaaaaaaaa	aaaaattaaa	44460
ggattcaagt	catataaaact	atgttttctg	acaatgaaat	taaaatggaa	atcaataaca	44520
gaaagatctc	tggaaaaatcc	tgaaaatattt	agaaaactaca	tagaacactt	taatccatgg	44580
tcaaaaaaga	aatcaaaaagg	aaaactagaa	aatattgacc	agaattaaaa	tgaaaataca	44640
acctagattt	gttggatgcc	actaaagcag	tattaggggg	aaatctagag	aactaaaccc	44700
catattagaa	aagaagaaat	gtctcaaatc	catgacctca	tcttccacct	tacaaacaga	44760
aaaaaagagc	aaatgagacc	caaagtaagt	agaagaaagg	aaataataaa	gatcagggtta	44820

gaaaataaaa	taggaaacag	aaaacaatag	gaaaaaaaag	tcagtaaagc	caaaagctat	44880
gaagataagt	aaaactgatc	aacctctagc	caaagtgatc	agaaaaaaa	gaaataagat	44940
acaattaccc	aaataaggaa	tgggagaggt	gacatcacta	tagattctgt	agatatgacg	45000
gataaggtaa	tgttgtaaac	aactatggta	gatagcctct	aagatgttct	tcgatgattc	45060
ccacctcctt	gtagtcacac	tcctatgaag	tcctctctcc	ttgagtatga	ggtgaactta	45120
ctaacttgct	ttttagtgag	atgtcgcttt	tggcattagt	tcacaaaaac	tgtggcttcc	45180
accttagagc	tctctcattg	tcccactaac	tcccactctg	tgggaggcca	gctgttgtgt	45240
tataagctgt	cctgtaaaga	ggcccccatt	ggcaagggaac	tgatgtttcc	agcctgcagc	45300
cagcaagtac	ctggggcttg	ctaacagcca	tgtcagtga	ctttgaaaca	ggtgacacct	45360
tgactgtatt	gttgtgacac	cttgactgta	ttcttatgtg	aaaacctgag	ccacaggcac	45420
ccaactaagc	tgtgacttag	aaatattacc	agttcaactt	caaactcttc	taaaaaaact	45480
gaaaataaag	aagtaattcc	caactcattc	tatgagggca	gtattaccct	gattttcaaaa	45540
ttgaatagga	aaaagaagaa	ggagaaggag	aagaaggaga	aggagaagga	agaggaggag	45600
gagaaggaga	aggaggagga	ggaggaggag	gagaagaagg	agaaggagaa	gaagaagaag	45660
aagagggaag	ggaagaggag	gaagaagaag	aagaagaagg	gaggaggaaa	gctataggct	45720
aatatgtcct	ataaacatag	attcaaaatt	ttaaacaaaa	ttttaacaaa	ttgagtatca	45780
ccaaatgtta	aaaagagaat	acatcattgt	gacaacgtga	ggtttatccc	tggaatgtaa	45840
gctttgttta	atatctaaag	attgatcaat	aactcatgac	atttaccaac	taaaaaagaa	45900
aactatatga	tcattctcagt	agatacagaa	aaatTTTTga	caaacttcaa	catcaatttc	45960
tgataaagtc	tcaacaaaca	gcatagaaca	gaacttcctc	cccattgcgc	agcacagctg	46020
ctgtggcaga	ttgtggccag	actgcttctt	taagtgggac	cccgatccat	ccccctcac	46080
tgggcaggac	ctccttgatga	gaatttcagc	aactccagcc	agggttttat	ggacagaact	46140
ctgatctctc	tgggacagag	cccctcaggg	gaagggtggc	cacagtctct	gtggttcagc	46200
caacttagcc	tttcctgcct	gctggctctg	gagagtctgg	gcagtctgga	caaaagggga	46260
tccccccagt	gcagtgcacc	cagtccccc	aggggcagcc	agactgcttc	ttgaggcagg	46320
tccctgatcc	cattcctcct	gactgggtga	gaactcccaa	agggatcccc	agacacctct	46380
tacaggagtg	tttgggccag	cgtcagtttg	gagcaggcag	ccatctttgc	tgttttgcac	46440
cctttgctgg	tgatagtgat	acctccaggt	gcagaaggga	cccagggtgat	taggggtctgg	46500
ggtggaccac	tagcaaacca	cagcagccct	gcagaagagg	agcctgactg	ttaaaagaaa	46560
aacaaagcag	caacaacaac	ataaacaaaa	aagatcccca	aaaaaaccca	ttgaaaggtc	46620
agcaacctca	aagactgaag	gtagataagc	ccacaaagat	aagaaagaat	caatgcaaaa	46680
atgctgaaaa	ctcaaaaaagc	cagagtgcct	cttctccaaa	tgattgtaat	acctctccag	46740
caagggcaca	gaactgggct	gagactgaga	tggctgaatt	gacagaagta	gccttcagaa	46800
tgagggtaat	aacgaacttt	gctgagctaa	aggaaacatgt	tctaacccaa	tgcaaagaag	46860
ctaagaatca	tgataaaaca	ttacaggagc	tgataaccag	aatagccagt	ttagagagga	46920
acataaaaaca	cctaattggag	ctgagaatca	caacgtgaga	acgtcacaa	ccaatcacta	46980
gtgtctatag	ctgagtagac	caagcagcag	aaagaatctc	agagcttgaa	aactgtcttt	47040
ctgaaaataag	acaggcagac	aagaatagag	aaaaaagaat	gaaaacaaac	aaaacctcca	47100
agaaaatatgg	gattacgtaa	aaagaccaaaa	cctacaactg	attggagtac	ctgaaagaga	47160
tgggggagaat	ggaaccaa	tggaaaacat	acttcataat	gtcatccagg	agaacctcgc	47220
caatctagca	agacaggcca	acattcaaat	tcaggaaatg	tggagaaccc	cagtaagata	47280
ctccacaaga	agatcaaccc	caaaacacat	aatcatcaga	ttaccaagg	tcaaaatgaa	47340
agaaaaaatg	ttaagggcag	ccagagagaa	aggccaggtc	atctacaaag	ggaagcccat	47400
cagactaaca	gtggacctct	cagcagaaat	cctagaagcc	aaagaaactg	gaggccaata	47460
ttcaacaatt	tttttatttt	ttgttttttt	gagactgagt	ctcgtctgt	caccaggct	47520
ggagtgcagt	ggcgcgatct	cagctcactg	caagctccgc	ctcccggtt	cacgccattc	47580
tcctgcctca	gcctcccgaa	tagctgggac	tacaggcgcc	cgccaccgcg	cccagctaat	47640
tttttgtatt	tttagtgag	acggggtttc	actgtgttag	ctaggatggt	ctcgatctcc	47700
tgacctcgtg	atctgcccac	ctcggcctcc	caaagtgtg	ggattacagg	cgtgagccac	47760
tgcgcccggc	ctcaacattc	ttaaagaaaa	gaattttcaa	cccagaattt	catatcaggc	47820

caaattaagc	ttcataagtg	aagaagaaat	aagatccttt	tcagacaagc	aaatgctgag	47880
ggaattgtta	caaccaggac	tgccctgcaa	gtgctcctgc	aggaagcact	aaatatggaa	47940
agaaaaaact	taccagccac	cacaaaaaca	cactgaagta	cacagaccag	tgacactatg	48000
aaggaaccac	ataagcaagt	tggcaaaaata	aacagctagc	gtcatgatga	caggatcaaa	48060
ttcacacata	acaacactaa	ccttaaatgt	aaatgggcta	aatgccccca	ttaaaagaca	48120
gagaatggca	agctggccaa	agagcaaaga	cccgtcagca	tcagcaaaca	cccagatgct	48180
gtcttccaga	gacccatctc	aagtgcagag	acacacatag	gttcaaaaata	aaggaatgga	48240
ggaaaaattha	ccaagcaaac	ggaaaaacaga	aaaaagcaag	ggttgcagtc	ctagtttctg	48300
acaaaacaga	ctttaaacca	acaaagataa	aatagacaag	ggcattccat	aatggtaaaa	48360
ggctcaattc	aacaagtagc	gctaagtatc	ctaaatacat	atgcacctaa	tatgggaaca	48420
accagactca	taaaagcaagt	tcttagagcc	ctacaaaagag	acttagactc	ccacacaata	48480
atagtgaag	actttaacac	tccactgaca	atattagaca	gatcattgag	acagaaaatt	48540
aacaaagata	ttcaggacct	gaactaaact	ctagattgaa	tggacctgat	agttatctac	48600
agaactctcc	acccaaaaac	aacagaatat	acattctttt	catagccaca	tggcactcta	48660
aaattgatca	tataatcaga	agtaaaacac	tcctcagcaa	atgcaaaaaga	actgaaatca	48720
taacaaacag	tctctccaac	cacagcacaa	tcaaattaga	actcaagaat	aagaaattca	48780
ctcaaaaacca	tacaactaca	tggaaatgaa	caacctgctc	ctgaatgact	cctgggtgaa	48840
taatgaaatt	aaggcgaaaa	tcaagaagtt	ccttgaaaact	agtgacaaca	aagagacagt	48900
gtaccagaat	ctctggggaca	cagcgaaaagc	tgtgttgaga	gaaatttata	gcactaaatg	48960
cccacatcaa	aaagctagaa	agatctcaaa	tcaacaacct	aacatcacaa	ctaaaaaac	49020
tagacaacca	agagcaaaca	aatcccaaag	ctagcagaag	acaagaaata	accaagattg	49080
gagtggaaact	gaaggagata	gagacacaaa	aaaaaatattc	aaaaaaccaa	caaattccagg	49140
agctgatttt	ttttgaaaaa	aaaaaaagtta	ataaaataga	ctgttaccta	aactaataaa	49200
gaagaaaagag	aagaatcaaaa	tagacacaat	gacaaatgat	aggggggata	tcaccactga	49260
cctcacagat	acaaacaacc	atcagagaat	gctataaaca	cctctatgca	cataaactag	49320
aaaatctaga	aggaatgggt	aaattccttg	gcacaaacac	ttgcccaaga	ctgaaccagg	49380
aagaaattga	atccctgaat	agaccaataa	tgagttctga	aattcaggca	gtaacaaata	49440
gcctagcaac	caaaaaaagc	ccaggaacag	acgaatttac	agctaaattc	taccagaggt	49500
acaaagagga	gctggtacca	tttcttctga	cactatttca	aacaattgaa	aaggaggggac	49560
tcctccctaa	ctcattctat	gagaccaaca	tcattctgat	acaaaaacct	ggcagagaca	49620
caataaaaaa	acaaaacctc	ggacaaatat	ccctgatgaa	catcaatata	aaaatcctca	49680
ataaaaatact	ggcaaaacca	atccagcagc	acatcaaaaa	gcttatccac	cacgatcaag	49740
ttgacttcat	ccctgagatt	caagggttgg	tcaacatatg	caaatcaata	aacgtaactc	49800
atcacataaa	ccacatgatt	atctcgatag	acacagaaaa	ggcctttgat	aaagttcaac	49860
atctcttcaa	taaactctca	ataaactaag	tattgaggaa	tatacctaaa	aataacaaga	49920
accatctatg	acaaaccac	agccagtatc	atactaagta	ggcaaaaagct	ggaagcattc	49980
cccctgaaaa	ctggcacaag	acaaggatgg	cgtctctcac	cacttttatt	caacctagta	50040
ttggaagttc	tggccagggc	aatcaggcaa	gagaaagaaa	taaagtgtat	ctaaatagga	50100
agagaagaag	tcaaactgtc	tttgtttgca	gatgacatga	tcctatgtct	agaaaacccc	50160
atcgtctcag	cccaaaaacct	tcttaagctg	ataagcaact	tcagcaaagt	ctcaggatac	50220
aaaatcaatg	tgcaaaaatt	gctaacattc	ctataaacca	acaacaggca	agcagagagc	50280
caaatcatga	atgaactccc	attcacagtt	gctacaaaga	ataaaaatacc	taggaatata	50340
gctaacaagg	gaagtgcagg	gcctcttcaa	ggagaactgc	aaaccactgc	tcaaggaaat	50400
cagagaggac	acaagcaaat	ggaaaaacat	ttcatgctca	tggataggta	gaatcaatat	50460
tgtgaaaatg	gccatatggc	ccaaagaaaat	ttatagattg	aatgctattc	ctattaaact	50520
accattgaca	ttcttcacag	aattagaaaa	aactattata	aaattcatat	ggaacaaaaa	50580
aacagcccca	atagccccaa	tatctttttg	cttaggattc	taagcaaaaa	gaataaagct	50640
ggaggcatca	tgctacctga	catcagactg	tagtacaaga	ctacggtaaa	caaaacctca	50700
tgggtactgg	acaaaaacag	atacatagac	caatggaaca	gaatagagaa	ctcagaaata	50760
agaccacaca	cctacaaaca	tctgatattc	aacaaatctg	acaaaaatga	gcaatgggga	50820

aaggactccc	tattttaataa	atggtgctgc	aaaaactggc	tagccatatg	tagaaaattg	50880
aaagtggacc	ccttccttac	accgtataca	aaaattaact	caagatggat	taaagactta	50940
aatgtaaaac	ccaaaactgt	aaaatcccta	gacgaaaatc	taggcaatac	cattcaggac	51000
atagacattt	catgacgaaa	atgccaaaaag	caattgcaac	aaaaccaaaa	attggcaaat	51060
ggggtcta	taaagagctt	ctgcacagca	aaagaaactg	tcatcagagt	gaacagacaa	51120
cctgcagaat	gggagaaaat	ttttgcaatc	tatccatctg	acaaagggtat	aatatccaga	51180
atctacaagg	aacttcaaca	aatttacaag	aaaaaaataa	ccccattaaa	aagtgggcaa	51240
agggcata	cagtcacttc	tcaaaagaag	acatacatgc	agccagcaaa	catgaaaaaa	51300
agctcaacat	cacagatcat	aagagaaatg	caaatcaaaa	ccacaataag	aggtgggtgg	51360
gtcacttgag	gtcaggagtt	caagactaga	tctagaatca	gaaataccat	ttgaccagc	51420
agtcttatta	cggggtatat	accaggaat	ataaatcatt	ctattataaa	gatacatgca	51480
tgcataactt	cactgcagga	ctattcacaa	taacagagac	atggaatgaa	cccaaagtcc	51540
catcaatgat	agactggata	aagaaaatgt	ggtacatata	taccgtggaa	tactatgcag	51600
ccataaaaaag	gaataagatc	atgtcctttg	cagggacctg	gatggagcaa	actaatgcag	51660
gaacagaaaa	ccaaacactg	catgttctca	cttataagtg	ggagctgaac	tatgagaaca	51720
catagacaca	tatggggaga	acaacacaca	ctggggcctg	ttgggggaagg	ttgggggagg	51780
gagagcataa	ggaagaacaa	ctaattggatg	ctgggcttaa	tacctaggtg	atgggttgat	51840
ctgtgcagca	aaccacctgg	cacatgttta	cctatgtaac	aaacctgcac	aggtaccctg	51900
gaacttaaaa	gttaaaaaaa	ttttaaaaaag	aagagaactt	cctcaacctg	ataatgtgca	51960
tctataaaaa	aacctatacc	taacatcatt	tttaattggt	aaagaccgaa	tcctttccca	52020
ttaggatcag	aaagaagaca	agatatccac	tctcacgact	tctattcaac	actggagggt	52080
ttagccagt	caataaggta	agaaaaataa	acaaaagtca	cctacttttt	aaaaaaagta	52140
agaatgaaaa	tatttttacc	ctcagatgac	ctgatcacct	atgtagaaaa	tccagtgaaa	52200
catttaaaaag	gaagaaacag	ggcaggcatg	gtagctcacc	cacccaaagt	gtaatccac	52260
cactttggga	agctgagaca	gaaggatcac	ttgaggtcag	gagttcaaaa	ccagcctggg	52320
cacagagtga	gaccttgtct	ctataaaaaa	ttaaaaaatt	agctgggcat	ggtggtgcat	52380
agcttttagac	ccaaacactt	agaaggctga	ggtgggagga	ttgcttgaat	ccaggagctt	52440
gaggctacag	tgagctaaga	ttgtgccact	gcactccaaa	ctgggtgaca	gagccagacc	52500
ctatctctaa	acaaaacaaa	actactagaa	ctaatacatg	agtttagcaa	ggttgcagga	52560
tacaagatca	atgtacaaca	ctcaactgta	tttccatata	ctaacaacaa	ataattgaaa	52620
aagtgaatt	aaaagcaata	ccatttaca	cagcatcaaa	tagatgaaat	atttagggat	52680
aacctaacaa	acaatgtgaa	atgcctgtac	actgaaaact	ttaaaacatt	gctaagagaa	52740
tttttaaaaa	tctaaataaa	tggagataca	ttgtgttgct	gggttggaag	actcaatatt	52800
gtttaaatgt	cagtttcttc	ctagttgatt	tatagactta	atccaataac	agtcacattt	52860
cctttttttg	tataaattga	caaactgatt	ataaaattca	tgtgaaaata	tgaaggacct	52920
agaatagaca	aaacaacttt	taaaaagaat	gaagttggaa	gactaggacc	acctgatttc	52980
aagacatatt	acaaaactaa	cagtaatgca	gacagtttgg	tactgggcaa	ggatagacat	53040
attcatcaac	agaacagaat	agactacaga	aataaatcca	catgtatatg	gtcaactgat	53100
tttcaacaaa	ggtacaaaag	caattcagtg	gagaagggac	agtcttttca	gcaaatactg	53160
ctggaacaaa	tgtatatcca	tatgcaaaaa	tgaactttga	tctagctaca	tgttacacca	53220
tattaagaaa	ttaactcaaa	atggatcaca	gacctattta	taaaacctaa	acctgtaaag	53280
tttataaaag	aaaacatata	agaaaaattt	tgtgaccttg	gaataagcaa	atatttctta	53340
ggtacaatac	caaaagcatg	gtccataaaa	gaaaacactg	atgaattaga	ctttttaatc	53400
attaagaaca	tcttctcttt	caaagagaat	cttaagagaa	tgagaaaaag	ccacagacta	53460
gaataaaaata	tttgaaatca	tatatctggc	tgggtgtggt	ggctcacgcc	tgtaatccca	53520
gcacttttagg	aggttgaggt	gggtggatca	cctgagggtca	ggagttcaag	accagcctgg	53580
ccaacatggt	gaaaccccgt	ctctactaaa	aatacaaaaa	aaaatgagcc	atgcgtgggtg	53640
gaggcacctg	taatcgtagc	tactcaggag	gctgaggcag	gagaattgct	tgaactcagg	53700
aagcagaggt	tgcagtgagc	caagattgct	ccattgcact	ccagcctggg	tgacaacagt	53760
gaaactccat	ctcaaaaaaa	aaagaaaaaa	aaaaactcta	aaaacgcaat	acagtgggtgc	53820

tcccttatct	gtggttttgc	tttccatggt	ttcagttacc	tgtggtcaac	catggcctga	53880
aaatattaaa	tggaatattc	cagaaataac	caattcatag	gttttaaatt	gtacaccttt	53940
ctgaggagca	tggtgaaatc	tcattgctgtt	ccactctggc	ccaccagga	cacaaatact	54000
ccttttgtcc	aacatatcca	tgccatatac	actacctgcc	tgttagtctc	ttagtagcca	54060
tcttgattat	cagattgcct	gtcatgggat	tgaagtgcct	tgtgttcaag	taacctttat	54120
tttgcggtgg	ccccaaagtt	caagagtaat	gatgctgaca	tattgttata	atttggtatg	54180
gtttggctct	gtgtccccac	ccaaatctca	tctcaaattg	taatcctcac	atgtcaaggg	54240
agggacctgg	tggaagggtga	ttgggtgatg	ggggcagttt	ccctcatgct	gttctcatga	54300
tagtgaggga	gttctcacaa	gatctggttg	tttgtaaagt	gtctggccct	ttcccctgca	54360
cactctctct	ctcctgccac	cttgtgaaag	tgtgtcttgc	ttcccctttg	cctttcgcca	54420
ttattgtaaag	tttcctgagg	cctccccagc	catgcagaac	tgtgagtcaa	ttaaacctgt	54480
ttttctttat	aaattattca	gtctcatgta	gtacctttat	agcagtgtga	gaacagacta	54540
atacataatt	gttttattat	tagttatggt	tgccaatccc	ttactgtgcc	taatttataa	54600
attaaacttt	attataggta	tatatgtata	agaaaaatca	gtatatatgg	ggctcagtac	54660
tatccatggt	ttcaggcatc	cactgggggt	cttggaatgt	atccccctc	agataagggg	54720
gactattgta	ataagaaaac	aattcaatat	tttaaaatgg	gtaaaagatt	tcaacagata	54780
cttcacaaaa	gaagatatat	ggatgacaaa	taagcatatg	aaaagatgtc	caataccatt	54840
actcattaag	gaaatgcaaa	ttaaaactac	attaaaatac	cactacacac	tcattagaat	54900
ggctaaaaatt	aaaaagactg	agtaaatccc	atgttggcac	acactgctga	ggagaacata	54960
atttggtcca	accacttcac	tttggaaggc	agtctgggag	attattttatt	tattttattcc	55020
attcctggct	gatttttttt	atagaaatag	agtttacta	tgttcctcag	gttggtctca	55080
aactcctggg	ctgaagcaat	ctgcctgtct	tggcctctca	aagtgctagc	attgcaggca	55140
tgagccaccg	cgcccgcca	tggcagtttc	tttaaaagtt	cagcatatac	ctatgatgtg	55200
atctagctat	gccactctta	ggtttttacc	caagagaaat	gaaactgcat	gtccatacaa	55260
agacttgtag	gccaatgttc	atagcaactt	tctttgtaat	agccaaaaac	tggaaatagc	55320
acaaaataccc	attagcaagt	gaatggctaa	acaaattgta	gtatatccat	acaatagaat	55380
cctgctcagc	aattttaaac	atgaattatt	gatacttggg	agaacaaaga	tgaatctcaa	55440
aataattaca	ctgaatgaaa	gaagccaggc	aaaatgacta	catgctatgt	aaatccaatt	55500
ccacaaaagtt	ctataaaaact	aaactaatct	attgttaact	aatctgtagt	gacagaagca	55560
gatcagtcgt	tgcctgtgga	tgagtagggg	tggcaaagag	tcaggaaagg	aggatgacaa	55620
aggggcatgt	ggaagctttt	tggggtgatg	gatatgttta	taccttgatt	atggtatttc	55680
acagggtgcat	acatatatca	aaacttatca	aatcatgtac	tttaaatatg	tatgtcatgc	55740
acttttaaatt	gtgtgccagt	tataacctta	taaagctagt	aaaactatta	tacattctta	55800
tttttctgag	caggttctca	tggagaacaa	aatacaccat	acctagtgtt	cgttttcttt	55860
tttttaatta	attaattaat	tgatttttat	tagtgttcat	ttcaaaggac	cttgctaggt	55920
gtcctaaaac	ctatctgatg	actttgcctg	atactgatga	ttttattatg	attttaaaaa	55980
atatttttag	tagagacggg	ttttcgccat	gttgggcagg	ctggctctga	actcctgacc	56040
tcaagtgatc	ttcccacctc	agcctcccaa	agtgtctggg	ttacaggagt	gagccaccat	56100
gctcagccaa	tactaataat	tgatatggga	gaatgttttg	tttttcctag	attcctcatg	56160
cagcttaata	aggaccataa	taacttaact	cttagaacaa	aggagatatt	tcaggcccaa	56220
agggaagcac	atctggtgcc	tcctctgaaa	ttcacaaaat	aagggcgttg	ttgtaagttc	56280
tgcatgaagc	taaacttggt	caaagtttat	aagttcaaaa	gtaaataaaa	ggactatctt	56340
ttattctgag	accttatttc	aatatcactt	gtgataatga	ttatagatcg	tagctgttat	56400
ttacatatgg	ctacttctca	gggttaaagg	tggcatttcc	acagcagtat	ctgggatttt	56460
attgcctatg	aaatcaagaa	ggtagagtaa	caagaattgt	gtagggtagt	agcttttacc	56520
ttacatgcaa	gttaacaagt	tagcctggta	atgtttgatg	gatgttagct	aaagacatga	56580
gactcttggg	tcagagaaaa	aacacttgat	tactcatggc	aaaagcagta	atcagaactt	56640
aatattgagc	ttttactggg	ttccatgccc	cacgtgccat	gagggggaatg	aaagtcccat	56700
aatggatggt	tatggatggt	tgcacacaca	cagtgggcta	ccatttaagg	agagggaatcc	56760
tgagcctggt	aagtccactg	cttttatagt	gagttgtaac	aagcctgttc	tttgtctagg	56820

ggaagatggt	acctgatccc	tcaagggttg	tcattacaaa	cacaaccctg	agaaatggcc	56880
tggataaaga	gcagtcagag	ccttgcttct	tggcatacct	gacaagaatg	cacagagctg	56940
ctcagggccc	ctggtagggt	tgcttcccac	actagggact	gtgcatggag	gcacctgcca	57000
cttctgcctg	catcctgggc	tagcgtgaca	gtcagagaca	cagacaccag	tgaatggctg	57060
aaatatgttc	ctgtgggtct	ctcactccac	tacaacttcc	ttcccagtta	gggtccccc	57120
gcaggccctt	tgagctgcac	ctggcagagt	tgagttacat	actttcatgt	accctgctga	57180
gtttgtcttc	tttgccittca	gaaattccaa	catactacat	gagtcatggt	tcttgggtatt	57240
attgttatac	ccttctcaga	atctctctga	ctcccagat	ttcacatcgt	tttccatttt	57300
tgtaaaaggc	ctcaagggtct	ccatgctatg	gagaagagtt	atactcatct	tttctttatt	57360
cttgcatctc	tgaagcctt	acattagcat	ccaagtgagg	tttctctatc	aatatcaaca	57420
gtaaatatatt	agtgaactaa	acacctacta	tgctcagcat	aatgtataaa	atatgattta	57480
agggttcctg	ggagcttcaa	atgcatcacc	tgggtgcaaa	aacatgagga	aaccaaaaag	57540
tacattctgg	tggttttttt	aatagcattt	aaaaaataat	gccttgctgc	agggatagga	57600
gctgtgctgc	tttcataatca	attctgttct	ctttgtgggt	tgagaaactg	gagctgaagg	57660
gaaggtgatt	gggaataaaa	gaaagcagta	ctgatttttc	tggctaaaag	aaagtttgca	57720
cactgtcatg	cactattaga	atcttctggga	tcttctttat	aatccccggt	ttgatggtta	57780
ttggccaaga	aggaagaagg	ggagctagtc	aggcctagaa	taattaccag	ccatacagca	57840
taatctgggg	ctagtgttgc	agggtcaagg	actgaatgag	gcagagtgc	caggagcaga	57900
tcctgcaagg	ccttgacca	aaaggaagct	aagggtcata	gaaggaaaat	attgtattga	57960
tcataaattc	tagaggattg	ggcatagagc	caaaaatagg	aggtgtatca	tgagatcaaa	58020
agccattggt	ggccaagcgc	gatggctcac	acctataatc	ccagcacttt	gggaggccaa	58080
ggcgagcaga	tcacttgagg	ccaggagttc	aagaccagcc	tggccaacat	ggcaaaaacc	58140
tgtctctacc	aaaaatataa	aaattagctg	gccatggtgg	cacatgcatg	taatcccagt	58200
actcaggagg	ctgaggcagg	agaatcactt	gaacctggga	ggcggagggt	gcagtgcagg	58260
gagatcatgc	cactgtactc	caacctgagt	gacagagtga	gacctgtct	caaaaaaaaa	58320
aaaagccact	ggtatgtagg	aatggtgcag	gaaaaaagtg	caaagcagaa	atgaggtgaa	58380
aatatataga	actatgaaca	ggaatgaggt	ctttcttgag	tactggctgc	cagatggagt	58440
acgagtgggt	cagcagaagt	taatgaggta	ggtaaaaagt	taatgcatag	gaatagtttc	58500
tgacagctct	tctgatgctg	tccatcctgc	agtcaggcct	atatcaatat	cagccctaga	58560
tgaagtggtc	acaccttcct	ttgtgcacct	actgttacaa	atagtcatgg	ctgtcattac	58620
tccatcacag	ctgatggcac	ttactagggt	gagagaagcg	gggctctgtc	tcccttacca	58680
tacagtgcgc	tccttgagtt	tattcatctt	tgtgtttcca	ttgtgcctgg	actgcgcact	58740
gtttcccga	tgaacaaatt	aactggccta	gaatatatct	atgatgataa	aggtcagttc	58800
ttagattatt	gttttcattc	tttaactgtt	taagataatg	tcaactctat	gtaaaaattg	58860
tgccctagggt	aagcagttgc	tttttattat	tattctctct	ctttcttgat	ggttactccc	58920
tctaggagcc	caaagcatga	cgtccagagc	cccagattcc	cagccatcct	ggttgtgacc	58980
cttcattctc	aactttcatt	tcaatcttag	tatgccatga	aaagccgtct	gcttttgaag	59040
cactatcagc	cacagagttc	tgtactttta	gaaggccttc	tcatagtcag	attctcacia	59100
atatacctat	tgtttcaata	aatattttatt	gaattggcca	gcaatgtttc	agatactgtt	59160
ctagggtgctg	gggttacatc	aaagaacaag	gtaggcaaaa	tcactaccct	cgtggacttt	59220
gctttcctgg	agggggaata	ggcaggacat	aaaaataaatt	gtaaaactatt	cgggatgtta	59280
gtgatcagag	aagaaaagta	aaacagggac	agtgaatggg	gactgtcaga	gtggtagttg	59340
ctattcaaga	tcatttgacc	aagggaaggcc	tcgctgagga	agtaacattt	gagaatagac	59400
ttgaaaggca	taaaaaaaaca	agtcattagg	taaaaaccat	tccaggcaga	aggaacaaat	59460
aatgcaaagg	gccagggatg	gaaacatctg	tagtgttcag	gggaaagcaa	ggaggccagt	59520
gtgactggag	cagagtagat	taggcaaaaga	acaggagtag	ataagatcag	caaggtaatg	59580
ggtgccacat	cacgtaagggt	cacacaggac	agtgtaatga	ctttggcttt	tactctgtta	59640
tggggagcca	ttgcaggatt	gggagctgtg	aaatggcaca	ccttgcttac	atctaatagg	59700
aaatctgctg	ctgcattgag	aatagacctt	taaaattttaa	aagagatatc	tatggcatta	59760
ccttaataaa	agtcatgctc	cttggagtgc	ctcaattcat	gtacattaat	gggtaaaagt	59820

ggaattcaag	aaaccctgga	aatgtatggg	ggagtcctct	ttgtttctcc	tctgctcatg	59880
tctggtgggt	gagcactaac	gccatctctt	cctaagcgag	ggctccctag	cagagcaccg	59940
tgcacatgga	ttcttcctat	gctctgcatt	ctttgccaca	gggatgccat	aatttggcaa	60000
tatgcagtag	agactgcctc	aagaggcagt	tcccttcttt	atctaagcca	agagaaattt	60060
ggttctgcaa	gtaacaagta	attactgctg	atgacattcc	ttgtacacac	ttgaagagag	60120
cgtggaccgc	aaaataaaaa	ctggagcaaa	aagggactat	cagataatcc	agattaaaga	60180
ttggaaagga	ggaaaacaca	ttattttacac	atacaacact	tgattttatg	agtagagaac	60240
acaacttatg	tgtatgtacg	ttgtacactt	gattatatgt	gtagagaatt	caaaagtgtt	60300
cagataaatt	atttagactt	aaaaagagac	aaataatttt	gggaaggtga	tagtggcagt	60360
agtagcatag	gttttagata	ttcctgaatc	tccacataaa	aacagcaact	agatagaaga	60420
cacaaaactc	atgggcaaca	aaataaaaatc	cattttacaag	aaaatttagat	gatgagggtat	60480
tcttatgatc	ctcaaaaatat	aaccggttgg	ggaaagacca	cccacagcca	caagagctgt	60540
gttatttgtg	tctacgtagg	agaaataaga	gagaggcaat	ggacatctga	cagacctgag	60600
aacagagaac	tcaaaatagc	ccaaagggtat	tacttggaag	gcatgggtgg	ggcaatttga	60660
gatcagcagc	tgaacttaaa	taaggggtga	gtgcaaggga	tccacctctg	gaaggcttaa	60720
aaggaatgca	gcagtctagc	tgctgtgaaa	tttctagact	gatctggtgg	ggctcccttc	60780
caagatagga	tctcatgaag	aagagaaaact	gtggggagta	ttgagctcaa	aattgagcag	60840
aatgaagaca	atacagatga	agaagggaaga	ggaatatcca	aatgaaagca	tatcagagtc	60900
aggaaatctc	cttggaaaagc	aagccagagt	attttttaac	accatattaa	tacaatatag	60960
caaaggaacc	atgtgaagtt	agaaaagcta	tctgaaccaa	atgtcttttt	aaaatcacat	61020
aaaaactaaa	ttcacaccca	caaaaatcta	cagcaggaaa	atatcaaggc	caaatccaac	61080
acaacattat	taacctaaaga	aagagaataa	ggggaatatc	tgcagacaat	gaaagcatgc	61140
caaaaagata	tgattgaaaa	tagattgaga	ccctaattga	ctatttcagg	tgcatcctaa	61200
gacattgaag	aagtcataata	agacatagaa	aagcaacata	aatcaaatga	ggaagctcag	61260
aaatgagaca	attcaagaaa	aaattagaaa	taaacatcta	aaaatgaagg	ctgatctaga	61320
aggaactcaa	caacaaatga	atacaacata	attctttaac	ataaaataaaa	ggtagaaagg	61380
aagaaaattt	tttaaatgga	atgaaaaaag	atttttaaaa	agttttgaaa	gaaaacaaca	61440
aatattgaaa	ataggcaaaa	aagatcaatt	tatcaataat	aagagtccct	gaaaaagaaa	61500
ataaaaagcaa	ggaaaagaaa	caagtataaa	acaaacaaaa	ccctctaatt	taagaaaact	61560
gaaaatttga	aactacgtat	ggaaaagaaca	cactgtgtac	ttgagtatat	cataatgact	61620
aagttcagca	gagttgttgg	atgaaaaggtc	tatgtgtaaa	caccatttta	tgtaacattt	61680
aaacaaaattt	tttagatcat	ttaaaaacagc	ataaaaaata	taaaatccta	tttgtgacgg	61740
ctttctagtg	tgtcaacttg	actaggccaa	actacatttc	ctagaattct	ctttcttgta	61800
tgttttctga	ccacaaagga	gattctttct	agatttggaa	agctaaggga	agttccagcc	61860
atcttatagc	acacacattg	ttgcgaacct	gctgatccac	ctactggggg	gaagcagagc	61920
tggacatgca	attgctctac	cttcccctgg	accctccatt	aacttgtcag	gcccctgggc	61980
caggtgtgtg	tgattagctc	cacgacaaaag	ggccacagct	tctgcaggat	atactcatta	62040
cctagatcag	aggcaacaat	aactgacatg	ggtttcagtc	tcttcacagg	ggtgtgagca	62100
tgctctaatac	tcttgatttt	ccctcctgac	tgctgcctt	gtagacttca	agctctagca	62160
tcagatgtgg	agacaacagc	cttacagaga	ctgcttaaaag	agctcccaaa	attgcataac	62220
tcaactgcct	gtgacacatc	catatatctc	tttttgaatc	ctggctaata	cagtaggaaa	62280
agatatgcat	tatctctata	tagaaaatca	taaaatatatt	tgagaggaat	taaattctat	62340
attcattgat	cagaagactt	aatattgtaa	aaatatcatt	tctcccaga	ttgatataata	62400
ggttcaatgc	aatagaaaatt	ccaacaactt	gcatatgtgt	gtgtgaaact	tgacaagcta	62460
aatctcaaat	ttatacggaa	attcaaaagg	ctaaaaatag	gctggaaaga	aaaggacaag	62520
ctgggcgcg	tggtctcacgc	ctgtaatccc	agcacttttg	gaggccaagg	cgggcagatc	62580
acatgagggtc	gggagttcga	gaccagcctg	gccaacatgg	cgaaacaccc	tctctactaa	62640
aaatacaaaa	atttgccggg	catggtgggg	ggcgcttgta	atcctagcta	cttaggaggc	62700
tgaggcagga	gaatcacttg	aaccagggag	gcagagggtg	cagtaagcca	agatggcacc	62760
attgcactcc	agcctggatg	ataagagtga	aactctgtct	aaaaaaaaaa	aaaaaaaaata	62820

ggacaaagtg	agaggatttc	ttcttctgga	tatcaatatt	tactataaag	ctagtaatta	62880
aaacctgcta	aatatggtat	tggagcaagg	agagacaaat	agatcaatag	aacagaatag	62940
agagaatcca	gaaaagagtca	aggatatata	gatgcttttc	aataaatggt	gcagggtcag	63000
ttggctatcc	acatggagaa	aaaagtgcaa	cctgaatcca	cctcaacaaa	attacttcca	63060
ggtgaactac	tgaaatggaa	aacaaaaaaaa	cttcaggaaa	gtcatagaag	agagtatcctt	63120
tatgaactag	ggacatgaaa	atatgttata	cagaacacaa	caagtattat	tcataaggga	63180
aaatattggt	aaattgctct	acattcggtc	aggagcagcc	tgggcaacat	ggcaaaatgc	63240
cgtctctgct	aaaaatacaa	aaatacagcc	aggcatcgtg	gtgcatgcct	gtggtcccag	63300
ctactctaga	ggctgagggtg	ggaggatcac	tggagcctgg	gaggcagagg	tcacagttag	63360
ctgagatcac	gccattgcac	tccagcctgg	gtgggtgaca	gaggaagacc	ctgtctaaat	63420
tgaaaaaaaa	aaaaaagctc	tacattagaa	attgagaact	tctgttcatt	aaggacatca	63480
ctaaggaaaa	aggcaagcca	tagactggga	caatgtattc	acaatgcata	tgtcatcaaa	63540
gaatctttat	tcagaataaa	aaagtgggaa	tctatatgaa	aacatagaaa	atccactttt	63600
ttaaaaatgt	gcagtcttat	gtttatcaca	gcactgttca	cagtagtaaa	gtcatagaat	63660
ccatctaagt	gtccatcaac	agatgattgg	attaaaaatgt	ggtatatattt	tgccatggaa	63720
tactatacac	ctataaaaaat	aaatgaaatt	atgtcttttg	cagcaatgtg	gatggaactg	63780
gaagccatta	tgcttactga	aatgactcag	aaacagaaaa	tcaaaaacca	catgttctga	63840
ttgataaagt	ggagctaaac	agtgggtata	cacggacata	caaggggcat	aatagacact	63900
ggagactcca	aatggtggga	ggatgggagt	gggtgaggga	tgaaatacca	cctttcaagt	63960
acagttcagg	tgattggtac	acttaatgcc	cagatttcac	caactgtgta	tatatccatg	64020
taacagaact	gcatttgtat	ccctaaatcc	ataaaaaata	aaaaatttaa	tttcaaaaaa	64080
taaaaaatgt	gcaaaaagata	tgaacaggta	catcacaaaa	gaacaaatcc	agatagccaa	64140
taaacaaatg	aaaaaagggt	caacttcatt	agtcatcaga	gaaatgcaaa	ttaaagccac	64200
agtgtgataa	tactacatac	tcacttgaat	gtctgcaatt	aaaaaaaaaga	ctgacaaaac	64260
caagtgttga	gaaggatgta	gaacaactgg	aattctcatg	catagtgtgg	aagtgtgcat	64320
tgatacaatc	acttttgaaa	actgttttagc	agtatctact	aaacttgaac	atattcatac	64380
cctgtgtcct	agcaattcca	gcaaaattgc	atacatatat	tcacaaaaat	aatgcactag	64440
aatattcata	gcaacactat	ttgtaatagg	cccaaatgtg	aaactgtttg	aatgtccatc	64500
aacagttata	atatctattt	ataatgtcca	atatatcaca	gtatactcca	tgccacaata	64560
tagatggctc	tcacaaaaat	aataaatagt	gttgagcaaa	ggaagccaga	aaaagagatt	64620
ataccctatg	ttactctttt	tacatgatgc	acaaaaacag	gcagagctaa	tctaagatgt	64680
tagaagttag	attgggtggg	tggagaaaaag	ggagaataga	gcaagaggaa	gacttctgaa	64740
gcactaataa	tatgtttttt	gacttgcattg	ctgggtgccc	aggtgtgtca	gtttttgaaa	64800
attcagttaa	ttatacatctt	atataatgc	atttttgttt	atgcataattt	ttcttcagca	64860
aaagtttaaa	aaataatctt	tgggcttcct	gaaaagataa	aaaggaaacg	tttaaaggat	64920
acatgtcaat	tttttagcag	agacaaaatt	tttaaatact	attttctgaa	aaaaaattct	64980
ccctcacagc	tttatattta	ttattaatat	tgaaggatat	aatgaatagt	tttactgtaa	65040
atgcagaagt	aaattttata	agacttgttt	atggcaccat	taggaatagt	ttttaaaaaat	65100
cagaacttgt	gtttatcaaa	agacactatt	aatgacacc	aaaagcacia	gtaacaaaag	65160
aaaaatgtgt	ttaatatcat	caaaaattaaa	aatttctggc	caggcaccgt	ggctcacgcc	65220
tgtaatccca	gtacttttggg	aggccgaggc	aggcagatca	caaggtcagg	agtttgagac	65280
cagcctgacc	aacacgggtga	aaccccatct	ctactaaaaa	tacaacaaat	tagccaggca	65340
ttgtgggtg	cacctgtaat	cccagctact	tgggaggctg	aggcaagaga	atcgctcgaa	65400
cccaggagg	ggagggtgta	gtgagcgaga	tcttgccact	gcactccagc	ctgggtgaca	65460
gagcaagact	ccacctcaaa	aaaaaaaaaaaa	aaaaaaaaatt	ctgtgcttca	gataaacacca	65520
ttaagaaaagt	aaaaaagaacc	tacagaatga	agaaaacgtt	ttcaaattat	ataatagacc	65580
tgataaggga	ctcacatcta	gatataataa	gaatgcttac	aactcaataa	tacaaagaca	65640
aataaaacaa	tttttaagt	ggcaaagaat	ctgaatagaa	gtatctcaaa	aaagatatat	65700
gaatggccag	taggcacatc	attaccctta	agggaaatca	aaatcacaaat	gagttaccac	65760
tttgcacccc	ctaagatggc	tataatataa	aaattaacaa	gtgtttgtga	ggctgtggag	65820

agattagaac	cctcattcac	tcctcctagg	gatgtaaaat	agtgtctgag	ctagggaaat	65880
agtttggcag	tttcccaaaa	tgttaaacat	agggttacca	tatgactcag	tgattaagct	65940
cctaggtata	tactcaagaa	aatcaaaaaca	tatgtccatg	taaaaacttg	tacatgaata	66000
ttgatagcag	cattgtttat	aatatcccta	aaaggaaaaca	acccaaacat	gtatcaacta	66060
ttgaatggat	aagtgaatg	tgttatatcc	atacagtga	atattattca	gcaattaaag	66120
tgacacactg	actcatgcta	ggacatggat	gaaacttgaa	aacatgatgt	taggtgaaag	66180
aagctagtcg	caaaagatca	catttgattc	catttatatg	aaatgaccaa	aatagacaaa	66240
tctataggga	cagaaaggag	attcgtgggt	atatgtggct	ggggaaatgc	aaattaaaac	66300
tactaggaga	tacataccga	tggtatgtat	gcttatcttt	aaattatctt	taaaatTTTT	66360
aagataataa	gataaagatg	tgaaactatg	aaactctcat	ttactcactg	ggagggtata	66420
aactgggtaca	accacattag	aaaagaaaatt	ggcgtatctt	ttaagattaa	caacacatat	66480
accttgagag	ccagcaaatc	catttctaaa	ttctactcag	tagaactatg	tgcatattta	66540
tatcaatagg	tgtacaaaaa	tattcatagc	agcattattg	taatcaccca	aatgttcatc	66600
agaagtataa	ggaataaata	aattgtggta	tattcctgca	atgggatatt	atatagcagc	66660
tacagttaca	cccagcaaca	tgtataaatc	tcacaaacaa	catcaaataa	aaaagccaac	66720
cacaaagtag	catccactat	gattcccatt	tatgaagttt	aaaaacaggc	ataactcaac	66780
tatagtatta	aaagtcaata	tagtagttca	ccttaaggga	gaagggaag	agtaaaaagt	66840
ataatatgag	gtagaatttt	gaggatattg	aatgttctct	ttcttgggtt	atagttttct	66900
atatgatgtt	ttctttgtta	caatttactg	agctatacat	ttttaatttg	tacacttaaa	66960
aatacatttc	ctggccaggc	gtgggtggctc	gtgcctgtaa	tcccagcact	ttgggaggct	67020
gaggcaggca	gatcaggaga	ttgagaccat	cctggctaac	acagtgaac	cctgtctcta	67080
ctaaaaatac	acaacaaaaa	ttagccaggc	gtgggtggcgg	gcacctgtag	tcccagctac	67140
tcaggaggct	gaggcaggag	aatggcgtga	acctaggagg	cggagcttgc	agtgagccga	67200
gattgcacca	ctgcacttca	gcctgggtga	cagagcaaga	ttctttcaaa	aaaaaaatat	67260
atatgtgtgt	gtgtgtgtgt	gtgtgtgtgt	gtgtatgtgt	gtgtgtgtgt	gtctgtgtgt	67320
gtgtgtgtgt	attctggccc	aagattatag	ttttttttaa	ggcagtctgt	caggggtcta	67380
caattgtatg	agttataaat	aaggagtgc	aatatcttca	gtgaactcct	gaacatgaaa	67440
accaagggtc	gactgcgaat	accttcttta	catacaacca	gacattatgg	aatgaatgtg	67500
ttccccccaa	attcatatgt	tgaagctcta	actcccagtg	tgtctgtatt	tggagatagg	67560
gtctttgggg	aagtaattaa	agttaaatta	ggtcatacaa	cctacagaat	tggagaaaat	67620
at ttgcaaac	tgtgcatctg	acaatggtct	aataccagc	atctataaga	aacttaaat	67680
tacaagaaaa	aactaacaac	cctatgaaaa	agtgggcaga	gttaattttt	tcatgagcaa	67740
tggaaaaaaa	ttaaaaagtc	tgaaaagcagg	caaagaacat	gaacagacac	ttttcaaaaag	67800
aagacataca	tgagccaac	aggcatatga	aaaaaagctt	agtatcactg	atcattagag	67860
aaatgcaaat	caaaaccaca	atgagatacc	atctcacacc	aattggaatg	gctactatta	67920
aaaagtcaaa	aaataacatg	ctggcaagat	cgcagagaaa	aatgaacaca	tacactgttg	67980
gtaggagagt	aaattagttc	aacattgtgg	aaagcagtgt	ggcgactcct	caaagagcta	68040
aaaacagaac	taccattcac	cagcaattcc	at ttgtgggt	gtatacccaa	aggagtataa	68100
atcattctac	cataaagacg	caggcacatg	aatgttcatt	gcagcactat	tcacaatatg	68160
aaaggcatgg	aatcaacctta	aatgcccac	aatggcagat	tggataaaga	aatgtggta	68220
catatacacc	atggaatact	atgcagccat	aaaaaagaat	gagatgatgt	cttttgtttg	68280
aacatggata	gagctagagg	ccattatcct	tagcaaacca	acacaggaac	agaaaaccaa	68340
atactgcatg	ttctcactta	taagtaggaa	ctaaatgatg	agaacacatg	gacacaaaga	68400
gaggaaaaaac	acacactaca	cactacctga	gggtggaaga	tgggaggagg	gagataatta	68460
gaaaaaataa	ctgttaagtc	ctaggcttag	aacctgggtg	acaaagtatt	ctgaacaaca	68520
aacccccgga	cacgagttta	cctgtataac	aaacctgcac	atgtacccat	gaacttcaaa	68580
taaaagtctg	tgtgtttttt	aaggcagaag	tcagccccta	ccttgaaaga	actttctaca	68640
tagatggcta	cagtgttact	gagcgttttt	tttttgggtc	atcctgaatg	tcatgggaaa	68700
acttttaaac	tgctctggat	caagattagt	gcctgtggta	tttcatttct	cctactcaac	68760
gtttgcagtt	acatgatctt	agaaattctt	tttggcatat	tgatgactgt	tatcattcaa	68820

gttacatcaa	gagagacttc	tttctatgag	gagctattaa	gacctctttt	tggacacata	68880
cacaacttca	atttacatct	aagacaactt	attttaatga	aattgcttat	ttgtttgctt	68940
tagtccttag	attatatgat	catttgggca	gggactattc	tttgaatatt	tcctggcaca	69000
tttttgtctc	aataaaagg	aaggtgaagg	aagaaagaaa	ggaaaggaag	aagggaggga	69060
ggaaggcatt	cttgttttct	atatcctaaa	cctataat	tgtcaaaaaa	gaatattaaa	69120
tttgcctaaa	atgttaacaa	aaaatagggtc	ataatgatgg	ggccctaatt	caacagggtc	69180
ggtgtcccta	taagaggaag	aggcattgaa	gtttgctctc	cctgcatgca	caaagagact	69240
atgtgaggac	acagcaaaaag	gacagctgtc	tacaaaccag	gaagaggcct	cgccagaaat	69300
cagcccttga	aaaaacctgg	gtcttggtg	ttttgcctcc	acaactgtga	gaaaataaat	69360
ttctgttggt	taagccaccc	agcctgtggt	gttttggtat	ggcagcccg	gcagactgat	69420
acaccagaca	ttcactgtat	ccaactgttt	caccataata	gcctttctta	ttttgatcaa	69480
attactgcat	caggatttga	tcttaaat	catgtttcct	ttgcttttgt	aaatgtagct	69540
gagcatccaa	atttcactca	gtttggatgc	taacaagatt	agacagttaa	ctgacagtaa	69600
tcagtgcctg	atcctattct	gtgtcttctt	ccatcaccat	cccactaaag	agcttgcat	69660
ttttgtttct	tttagccaga	tagtaaacad	ttttcaggca	ttttgaat	tgccattgta	69720
aatggtgaaa	gattctctct	ctctctctct	ctctctctct	ctctctctgt	gtgtgtgtgt	69780
gtgtgtgtgt	gtgtgtgtgt	attaggagggt	ggtggtgct	gggatgctaa	tctatgcaca	69840
gtgaccttgg	tttctatctg	gctgagcaga	tgtaggaatt	aatcattgtc	actcctggat	69900
ggtgctgctg	cagctgtccc	ccactgcctt	tctgcccctg	atagatttat	tagtgtgttt	69960
tgtttgctga	aaagcatgcc	tcagcacaga	agaactggca	aattagagaa	gctttatctg	70020
tgagtataat	tttttgga	catggttttt	tctacacatc	tgtacctata	tactctgagc	70080
tctttaaaaa	aaaggaggag	gaagagagca	aagaaagaaa	aggaaaacaa	acaggtaata	70140
ttgtttctgt	aacatcagaa	cgattatttc	ccagctgaga	atgttcatac	tggaacagtg	70200
tcattggccat	ccaccttagg	attgcagaga	accaattgtt	ttctaacctc	tgtatttctt	70260
tttgcaactg	cccaccccc	caccacttta	actgccaa	atcagccaga	attttggcat	70320
actttggctc	taggcacaag	aaaataagt	gtctgggtta	cttagtgcta	aatatttttt	70380
atagtaggctg	tcactacaac	cttgagactg	taactaacac	tttctaggct	ccaagcaacc	70440
ccactacgta	gatatccctg	cagcctcatc	aaattcaacc	cgtggggata	ttgataccgt	70500
cctggatgga	aatcagagta	gccacacccc	tttcaatgtt	gggaatctgc	caaacaattc	70560
agtataaaat	tcctgggcct	gggctgtgta	ttttcattcc	acccacccc	caaatacagtc	70620
agcatgccct	ggggcgagaga	ctaaagagcc	gccagtgcct	attcagagtt	ggcttattcc	70680
tttctgatgg	cccatcccc	ccccgaaatc	caagaccttg	gccttagata	tcttggctag	70740
cctgggcctt	tctggtacca	cccttcactc	tctaggagct	ctgagaattt	tctgcacttc	70800
ccgacgctgc	ttgatagagt	gactcacagc	ttactctttc	attgactctt	tctgtatttc	70860
tcttcttcag	aatcttctct	ctgctgctgc	ttttagacat	ccttgcatgt	tcagtcctta	70920
aatcaccact	gcttggtatt	actttcatgt	tcccaacatc	tggcatatgg	gtcttaatcc	70980
catgggtcca	cccagactca	tgaatttaaa	ctcttctggt	ctaaactctt	ccaccacat	71040
ttgagcctca	attctgtgaa	cagttttgtc	tctaaaagcc	acataacctta	gtgtaagaag	71100
gcagattaat	cctctgaatg	tcaacttaac	agttaggcct	atctcccaag	aaagagaaat	71160
gaaaaactcct	aattagtaat	gactcatttt	gatcaaaata	tcaatttttg	gaccattttc	71220
ttaaaactat	attttattgc	ctgtaactat	ttcctggagg	ataataatca	tccttaaat	71280
actatgtgtt	ttgtgaagtt	ggtgctttac	ttttcgtgtc	ctaaatatgc	atatctgaat	71340
ctttaaattg	tagcttctct	ttcaagtgtt	ctaggatttc	atttgccatg	gttgggatct	71400
ctttgtgatt	tgatagggtt	cgatcacatc	ctcactagcc	ttctttccaa	gccacagaac	71460
ggtctgtctt	cattcagtag	agaccctgcc	attctagttt	tctcgctgga	atttgttttc	71520
ccatatcctt	cttgagcaaa	ggtgactaaa	gccaaatgtt	tcattctggc	actttgtgag	71580
acgtgggctt	taagctctca	aaagaagaga	aaatctcata	gttttatatg	agatatataa	71640
tgaacaatag	taaaatagaa	atgttattgg	caagaggagt	ttttctccaa	tatccatgag	71700
taagaattcc	ttggacacat	aagataacaa	gaggaatata	cttactctgt	tttccttttg	71760
agatattcct	tacataccat	gaagttttcc	tttctaaagt	ttgcaattta	atagttttta	71820

gtatatccac	aagcttgggt	aaccaccatc	actatcta	tccagaacat	ttttatcacc	71880
tgcaaacaaa	accttgtacc	tgtagcagt	ctctctcat	ttctctcttc	ctccacacc	71940
tggaaaccac	tagtctactt	tctatctcta	tagatctgcc	tattctggac	atttcatata	72000
aatggaatta	ttgaacatgg	ggccctttgt	gtctggcttt	tctcatttag	cataatctta	72060
gcataatatt	tataagggttt	ccctgtgttg	tagcataaag	cgttacttca	ttccttttca	72120
tggctgaaca	tcccattata	tggatattcc	acattttgtt	tatccattca	tcagttgatg	72180
ctatctgttg	tttccacttt	gaggctctta	agaataatat	gctgctgtga	acatttgtgt	72240
acaagttttt	tcatgaacat	gtttttactt	atctgggtat	atacctagga	gtggagtcc	72300
tgggttatat	ggtgactgtt	taacataagt	gtagaactgt	ttttcaaagt	gactatacta	72360
tttcacaatc	ccaccaacaa	tgtatgaggg	ttccagtttc	cctacatcat	cactaacact	72420
tgttttatta	tctgcctttt	taattctagc	catcctagtg	ggtatctcat	tgtggttttg	72480
agtcgtattt	cccttatgac	caatgatgct	gagtgtcttt	ttatgtactt	attatccatt	72540
tgcttatctt	ccctggagaa	ctgtctattc	aaatcctttg	acatttaaaa	aaattagatt	72600
gtcttggggc	cgggtgcggt	ggctcatgcc	tgtaatccca	gcactttggg	aggctaaggc	72660
aggcagatca	cctgaggtca	ggagtttgag	accagcctgg	ccacatgctg	aaacccatc	72720
tctactaaaa	atacaaaaat	tagctgggta	ttggtggcac	atgcctgtaa	tcccagctac	72780
tctggaggct	gaggcaggag	aatcacttga	accaggagga	cggaggtttc	agtcagccga	72840
gattgtgcca	ctgcactcca	gcctgggcga	cagagtgagg	ctctgtctca	gaaaaataat	72900
aaataaataa	ataaataaat	attgtcttgg	aaatatactt	aaattaattg	gcctatagtc	72960
ccagctactc	aggaggctga	ggtgggagga	ttgcctgagc	ccaggagttt	gatgtttcag	73020
tgagctatga	ttatgtcact	gctctccagc	ctgggtgaca	gagtgagccc	ccatctctga	73080
aaaaaaaaag	gaagaaagag	gaagagggaag	aagaggagga	ggagaaggag	aagaagaaat	73140
gctcttaagt	caatagttct	caaacttggg	tcacattaaa	gtttcctaaa	atcctgatgc	73200
tcaggcttta	ccctaggcca	gttaaatgat	aatatcttgg	ggtaggaccc	aggcaacagt	73260
tttagaaaaca	aatctccagt	tgattcta	gtttgagagc	cattgctata	gactacatga	73320
ctaagctgat	gataccaata	taaaaatgtt	aaagatttga	taatttagaa	attatgccag	73380
gtattaaaaa	tgggagactt	aactcaa	tgaatcataa	aatgccta	cagggtcaaaa	73440
gatagagttg	agatttgtaa	taaagattga	taaactttcc	tataatagga	agtttcaaac	73500
cacctatagc	tagagaaaat	gtctggctgt	ggttcttgcc	tagtgagcag	gaattggttt	73560
tatgaggtaa	ccatgggaga	gccaataaat	gtgagtgtc	atgacaatta	aatctttaag	73620
cccagataat	ttatgtcaat	tattcaatgt	tcattaagga	aagtgaaaaa	aatgagtat	73680
tagctaggag	aaatggaaa	ggaggctttt	gaaaggcata	aaaagattgg	aggctatttt	73740
aagagacttt	atttgaagca	tagaaaaaga	gtatctgaga	atttttaaaa	atccaatcac	73800
ataaaaatgt	gacagtcaca	gtggttattg	tggagggaaa	atgacatctc	tcaaagaatg	73860
taaaaagctc	cccaagggag	agcagggagc	ccacagagt	tattagggtta	agtacaaaat	73920
aggaaaaaag	actttaagaa	acactttcga	agagagtcca	aaacacataa	agggattatt	73980
taaaatctat	taaaagggaag	aagctagaat	aacagtggga	tcttttgctg	agaataaggg	74040
ggcacaggga	gtgctgaggc	acaaaaagac	aatagacaaa	ctaattatgt	gcctctgaat	74100
gtattgagaa	agataaccaga	gtgatagcac	attcaaattg	cctactacga	atggatcagt	74160
agtagttaat	tcaatggttt	tctgtgtttt	gcataattca	agtcaggtag	gcagaataaaa	74220
tactgattaa	tactggaaa	ctcttggtgt	ttatcttgag	atttctgaag	gcctccagaa	74280
gaaatttttc	tcgtcttgcc	tctccctaaa	gccactgccc	ttgtcctccc	tctcctatta	74340
ccaccaaggc	tcctaagtgt	atagtctacc	ctagtacact	cactttctca	tctccaattc	74400
attcttcaac	ccattcttct	aactccattg	aaaggctcatt	aaatctgact	cattgccaaa	74460
gtcattaaat	caacagatcg	cttttttagac	taaaattcttt	ctagccttta	gatataatac	74520
accattaact	gtttcttctg	ttcttccctt	ctgaaacctc	ttttcttaac	atttattata	74580
tgtgaatgtc	ctggttttac	ctgtctactt	cttgctagct	accttcactg	gctccagaat	74640
tacttacgta	tttctctttt	ttgttttttt	tttttaaggc	tagtcaagt	aagcagtg	74700
aatggagaag	gaacacagaa	atctgtaact	ggttgtgatc	aattaattgt	agacactact	74760
gacttcagac	aagccttacc	tatttaattt	tggtaacact	ctgggttcca	gtctcgattc	74820

acttcttaca	ctatatcctt	caccttgttt	taacctctcc	tgtgacatat	cctagtgtctg	74880
cctctcttcc	catttttctaa	cttcatgggt	gatatagtca	tatagatggt	tcacagttta	74940
ttctgatcca	gtaaccaaaa	ccagattaat	atcttaccag	caaacttgct	cttcctttgt	75000
gtaattcctg	tcgtgggttaa	tagcactacc	atccacccgt	tctcattctg	gattcctttg	75060
tctccctaca	catccggcta	gttaccagggt	tttagatatt	taacctctga	aatgtctttc	75120
aaatctttct	attgtccatc	tccattgccc	aaccatagtc	ttcatttggt	tttcatctgg	75180
actattgcaa	tagtccccta	actcatcttg	ccgacatfff	cagctactga	tctcttgcca	75240
gcattttttt	ttccccaac	acaatctagt	tttaaaatac	agacttctac	tgccctacata	75300
actccttagg	taagtattta	aggtcttttg	tagtctggcc	ctaacataaa	atatccactt	75360
ttccccttga	aattaagttg	tgccctgggt	gtacatgaga	atggccattc	cttgagcaca	75420
ccatgcacat	tcctcaccat	gtctttgttc	atgctcttcc	ttgtttcaca	actcttctca	75480
tttatcacct	gacaaactcc	tatctatcct	ttaagacaaa	tttctgtctc	tcaaaatgtg	75540
ggccctgggc	cagagcagca	gtatcacctg	ggaacttggt	agaatacaac	ttcttggggc	75600
cccactttag	actctgttta	atccaaaact	ttgtgtgata	aggaccagca	atgtgaattt	75660
taacaagctc	accacatgat	tctgatgcat	tctaaaattt	aagaaccact	gttctaggga	75720
acaatttttt	tatcaatggc	catagcactt	tacacatacc	tgtattactt	actgcattat	75780
ttaataacca	tgtttactta	ttcacttatt	tatctgggtc	gctaagttgt	gagtccccag	75840
agtcaaatac	aatgggtgctg	tgttctgaca	cctgccatag	tgtctagcac	ataacaagtg	75900
cttgataaga	attcagcata	ctaaaatata	cccccttccc	tccaggattc	agtctagcta	75960
gagtaaatag	agagggcaag	atcaaattgg	gtccaaggca	tctactctta	aaggctcgata	76020
tacaccacac	aaaccaaag	cttacacact	gacaataaca	aatgtcagca	aagtaataac	76080
caacgggtac	taggcttaat	acctgggtga	taaaataatc	tgtacagcaa	actccaatga	76140
tactaattta	cctatgtaac	aaatatacac	ttgtaccct	gagcttaaaa	taaaagtfff	76200
taaaaaaaata	aataaagcaa	atgtcagcaa	ggatgcagag	aagctgaatc	tctcatacat	76260
tgctgatgta	cctactctgg	aagacacttt	agaagtttct	tataaaaatta	ttccctcact	76320
gtgcgattca	gcagtttcac	tctgtgtat	ttaccgtaga	gaagtaacta	tgtatgttca	76380
cacaaaaagc	tgtatgcaaa	tgtttttttag	cagctttggt	tgtaatagtc	aaaaactgga	76440
aacattaaca	atcaaaaaag	aaatcaagaa	aacaattcca	tttgtaatcg	catcaaaaaa	76500
tgaaaaacttg	ggaaaaaatt	ttacctaaaa	gatgaaagac	ctatacactg	aaaactataa	76560
aacactgatg	aaataaatga	ggaaggcaca	aatcaatgga	aagatatccc	atattcatgg	76620
attgaaaaaa	tttatattgt	taaaatagcc	atactaccaa	agcaatctac	aaatgcaatg	76680
caatcttacc	aaaattctga	tggtgttttt	cacagaaaata	tgaaaaaaaac	taaaattctt	76740
atggaaccac	aaaagacccc	aaatagccaa	aacaatcttc	accaataaga	acaaagctgg	76800
aggatatcacc	ctagcctatt	taattttcaaa	atctactata	aagctatagt	aatcaaaaaca	76860
gcatgatgct	ggcataaaaa	cagacaaacc	aatggaacag	aatagagagc	ccaaaaataa	76920
atccatccac	ttacagtcag	ttgatttttg	acaaaagtac	caagaaaaca	caaaaagagaa	76980
aggacagcct	cttcaataaa	tggtgttggg	acaactatgt	atccacatgc	aaaagaatga	77040
aattatgcct	gttacccccag	cactttggaa	ggccaagggt	ggccgatcac	ttgaggtcaa	77100
gagtggagac	cagcctggcc	aacatggtga	aaccctgtct	ctattaaaaa	tacaaaaaatt	77160
agccagggtat	ggtggcatgc	acctgtaatc	ccagctactt	gggaggctga	ggcaggagaa	77220
tcatttggac	ccaggaggca	gagggttcag	tgagctgaga	tcgcaccact	gcactccagc	77280
ctgggcaaca	gagagagacc	ctgtcttaaa	aaaaaaaaaa	aaaaaagaaa	ttggacattg	77340
gacccttata	ccatatacaa	aaaatccact	caaaaatgaa	ttaaaagctt	aaatgtatga	77400
cctgatactg	taaaaactat	cagaataaaa	cacaggagaa	aagctcctgc	cattggtccg	77460
ggcaatgatt	ttttggttat	ggcccaaaaa	gcacaggcaa	caaaacaaaa	catagacaaa	77520
tgggattaaa	ctaaaaagtt	tttgcacagc	aatggaaaaca	ataaacagag	tgaagagaca	77580
acctacagaa	tgggagaaaa	tatttgcaaa	ccatacatct	ggtaagggggt	aaatattcaa	77640
agactataag	gaactcaa	caatagcaag	aaaacaaata	atccaataaa	aagtggacaa	77700
aggacctgaa	tagacacttc	tcaaaaagaaa	acatacaaat	gtccagcagg	tatatgaaaa	77760
aattctcaca	tcactgatca	tcaagaaatg	caaattaaaa	ccatgagtta	ttagctcata	77820

cctgttagaa	tggctcttat	gaaaaagaga	gatagcaaga	gttggggagg	atttggagaa	77880
aagggaaacc	tatacactat	ttgtgaggat	gtaaattagt	acaactatta	tggaaaacgg	77940
tatggagggt	cctcaaaaaa	ttaaaaatag	aactatcata	taatcaagca	attctacttc	78000
tgggtgtgta	tctaaaaggaa	atgaaatcag	tgtatgaaag	agatacctgc	actcccatgt	78060
tcactgcaac	attattccca	atagccaaga	tatggaacca	acctaagtgt	tcattttacta	78120
atgaatggat	aaagaaaatg	tgagatatat	atgtacacat	acacacacac	gatggagtag	78180
tatttagtct	taaagaagga	aatcctggca	tttgcaaaaa	catggatgaa	cctggaagac	78240
attatgctaa	gtgaaataag	caagacatag	aaaaacaaat	actacatgat	ctcacttaca	78300
tgtggaatct	aaaaaagtgt	aactcataga	agcagagagt	agaatggtag	ttgccacaga	78360
ctagggtgga	gggtggtgac	agaaaatggag	agatgttggg	cagatcaaag	agcacaaagt	78420
tccaggtagg	acagataagt	tgtggagagc	tatacagtat	agtgtctata	attagtaata	78480
acgtgttgta	tacttgaaga	attccaagag	agtatgtctt	aaatgttctc	accataaaaa	78540
aagataagta	tgtgcagtga	tggtatgttg	ttaaattgat	ttaataattt	taattatttc	78600
acaatatata	caaatatcaa	aataccatgt	tgtataccat	aaatatataa	tatttgtcaa	78660
ttctgcctta	ataaagctgg	gagaaaaaaa	ctggaaaccc	aaatatcctt	caacaggtga	78720
atggataaac	tgtgggacat	ccatacaatg	gaatactatc	tagcaataaa	catgggacaa	78780
agtattgata	gatgcaacaa	cttggatgga	gctcaagggc	atatgctgcg	tgacagatgt	78840
cagtctcaca	agcttacaca	ctgtaagagt	ccagttctat	acaacattct	taaaagacaa	78900
atttatagtg	atggagaatg	ggttagtggg	tcctaggagt	taggttgggg	aagcgtgtca	78960
ctataaagga	tagcatgaga	gagttgtgtt	tataagtgtg	tatgtgtgat	ggaacagttc	79020
actatcctga	ttatgatggg	ggtttcgtgt	gggtgaatttc	atagaaatct	atatatgtga	79080
taaatttcat	aggactacac	acacacacac	acaaagtgca	cataaaaact	ggtgaaattt	79140
aaatagagcc	tgtagtttat	ataatagtat	tgcactaatg	tcaatttcct	gattttgatc	79200
atgaactctg	gttatgtacg	atgttattgg	ggaaagctgg	gcgaaggata	cacaggaact	79260
ctctgtactg	tttttgcaac	ctcttgtgag	tcttaaataa	tttcaaaatg	aaaagctttt	79320
gagaaaaata	aagcacaggg	atttctgaca	aaagctaaat	tagaaagcac	tgcttgacat	79380
aatgctaaaa	caggacccag	gaagtggaga	gctcactgcc	tgggtggagg	gggaaagggg	79440
taaaggggaag	tggagattct	tgccctgaag	aacatttggg	agaacgtggg	ccaggcctct	79500
caaacaggtc	actcctggct	tggggaggag	ctaatactaa	gggtggaaagg	gaaatgaaag	79560
cttacttctc	atcagcttcc	catatgggga	agggggccgg	aatctctcct	caataggcct	79620
ccattttctc	aatagggaaa	acggagagaa	gggggaaaagg	gttcctcttt	aacaatggtc	79680
acaaaagggtg	atgtgtgcag	tgaaaagatta	aatgggtataa	gaactcaggc	tctggaatca	79740
aacccagcct	caaatccagt	ggcttgattt	tctattgaac	tttgctatac	cctgtttctc	79800
tatttaaaaa	caggggtaat	gatactactt	aactctgaaa	gctgattaca	ttagattgtc	79860
tatgtagagc	acttagcaac	cacctagcac	atagataatc	agtgttggct	actcttttta	79920
atactattct	atgccattac	caattttcta	agacgtaaca	ataatacact	cagatgattc	79980
tgaccataat	gtaatttttg	attaaaagttt	cttcaggatc	cttcaatgct	tccaactcat	80040
aaattatatc	agccctcagt	ccctatatat	gtaaatacaa	tttaaattaa	aatagttgtt	80100
acttttctatt	acatgtcttt	tatgtgcttt	gcactttaaa	tacactattt	ctaaccttta	80160
tagcatgcag	gataaaact	attttcccca	ttttcagatg	aggaaaactgc	ttcagagtgg	80220
ttaggcaaat	ctccaacatc	tataaacaac	acagtaaacc	taggcagtct	gatggcaaag	80280
cccaagctct	ttccactaca	ctgttacctc	agtagtaatc	cataaaagat	gcttaaacac	80340
atacatattg	tctattagtt	gttcttttta	catcacatta	catgggcaga	ctctacaact	80400
cctgccacag	cctggcgag	acacttccag	gccattgctg	aagccagtgg	agacaccaga	80460
cgatgacaga	aaccaagaac	ccaaaagctga	ttgtagcaag	aattcagtct	ggagttcagt	80520
cagtagataa	atccgagagg	catcatggaa	attgtgccaa	gggtccaaagg	tcaagccagc	80580
agtcagaatc	taaaaggggca	ggcaaaaacc	agcaggaggc	tctgcaggct	ctgtgcccc	80640
cgggagattc	atggcttcct	ctctgtctcc	tcttgttgac	actgccggct	ataaatgggg	80700
gctttgtgga	tcctcagttg	aggaggcagg	tgaaaattct	tggcctacca	gcactactac	80760
aggacgttag	aaactagggc	agggaagacc	tgggtcttca	ttaatcagtg	tgatgaaaac	80820

aggccccagg	cagttggggtc	cactagtggg	aagtgaaaga	acactgaagg	aaaccaggag	80880
tcaggacatc	tggattttgct	gtcccaacat	ggtccctatc	tggcgataaa	acagcatgca	80940
aattttcttca	tctaaaaatg	aaggaatcag	gtcagatcac	tgattttcaa	actgtgttcc	81000
tcagaaccca	aggactccag	tcttgctgtg	gagagatagg	tgggagcaag	caaggccttc	81060
ctgtacagca	cgcttccttt	catctctttcc	aagtactgaa	ccttctaatt	ctaattgattt	81120
attcagcgta	acaggcattht	aataagtttt	tactaggctc	ggggccttgt	agaagggtgct	81180
gatggggaca	aagctgagta	aaacccagtc	ccaacatcat	gaattcctag	attctggctt	81240
aatgggggaa	cattccagca	gctgtcactg	ttcaggattc	ctctcagatt	ccaagataca	81300
ccaaggcccc	gagttctgcc	acagaattga	agataagaaa	gagaggaaa	aggccgagtg	81360
cagtggctca	tgcctgtaat	ctcaccactt	tgggaggccg	aggcaggcgg	atcacctggg	81420
gtcaggagtt	tgagaccagc	ctgaccaaca	tggagaaaac	ctatctctac	taaaaataca	81480
aaataaattg	ggcatagtgg	tgcacacctg	taatctcagc	tactcgggag	actgaggcag	81540
gagaatcgct	tgaacctggg	aggtggagggt	tgcggcgagc	cgagatcgcg	ccaccgcaact	81600
ccagcctggg	caacaagagc	gaaactccgt	ctcaaaaaaa	aaagaggaaa	gaggaatctt	81660
ccccagtatg	gcaggcaatc	tttctgcct	caaggagatc	aattttacatg	tcacctggaa	81720
gcccataata	ttctgcttta	gcagtgactc	cttgtgattg	gatgtttcct	atggccaatt	81780
gtgcctgtgc	ttcatgccct	acttaaaatc	aggacatctg	ctctgccctt	ttggaagagc	81840
tacaagtctc	ctgccaggaa	ttgctcaagg	ccttttctctg	cagctaaacg	gagaaaaggaa	81900
gttgaaatca	ttgcctcata	aattacaaca	catgccaggg	ttgtaacctta	gagtctgagg	81960
ttctaggcga	aaagaggatt	ttgtgtgtgt	gtctagtgtt	ttccccacag	catttaaaag	82020
ctcatctaaa	atatattata	attgcatgag	atatggcaaa	aatacattca	gaaactaatt	82080
ttttgaagat	aaacaaacaa	agcagaatgt	gcccataata	ttcctaagta	aagccacaca	82140
aacttccttt	ccagtaaggg	tatccttttg	ggctttttcc	ccctccttgt	caccaactta	82200
tcttgaattt	atcactatgc	tttttcaacta	ttgttcctaa	acttcagctg	ttatataatg	82260
agatagtggg	catttagtct	tatatccaaa	tttccatatt	tcagctttta	aaatagttgc	82320
aaggatgctt	ttaaagttga	tcttgccag	gagagggtggc	tcactcctgt	aatcccaact	82380
ctttgggagg	ccaagatggg	aggattgctt	gagtccagga	gtttgagacc	agcctgggta	82440
acaatgagac	cttgctctctg	caaaaaaata	aaaattaact	gggtgtgatg	gcatgcactt	82500
gtagtgccag	ctacttgggga	agctgagggtg	ggaggattgc	ttgagcccag	tagataaatg	82560
ttgcagtaag	ccaagatcat	gccagtacac	tccagcctag	attagagagt	gaaactctgt	82620
ctcagaaaatt	aaattaaaatt	aaattaaaaa	gttgatccta	gcaaaactaac	accggaacag	82680
aaaacccaac	accgcatgtt	ctcactcata	agtgggagtt	gaacaatgag	aacacatggt	82740
cacagagagg	ggaacatcgc	acaccgaggc	ctgtttggggg	ttggggggcaa	ggggaggggag	82800
agcattagga	caaatactta	atgcatgtgg	ggcttaaaac	ctagatgatg	ggttgatagg	82860
tgcagcaaac	caccatggca	catgtataac	tatgtaacaa	acctgcacat	tctgcctatg	82920
tatcccagaa	cttaaaagtaa	aataaaaaaa	gaaagaaaaa	aaaagttgat	ccttaggcct	82980
gtttatagtc	caaggagct	gtgaatgctg	aaatttgtac	actgtcaatt	tatatgtata	83040
ttcacatatt	aatatctata	gtacacatag	attcagggaat	gtagactttt	gtcaaattggc	83100
ctagtagata	ctgataaaaac	aacttctaata	attaaattaa	aattttattc	tatttttaaag	83160
aaaaagaaca	aataagaaaa	tcgtcttttg	aatgaaaagg	tcagaaaacca	aggatgtggt	83220
gtcctaatat	gctgatagca	gagattatat	ctcctttgcc	ttcctatcac	tggttcttaa	83280
taccttggca	agttagtatt	taggaattgt	tgaattaatg	tttggcacat	gaagatcatt	83340
aaagcaataa	ctcataaagc	atggggaaaa	caaggctcatt	tgctaaaggg	gaatttgggg	83400
gcacgatatt	tagcaagtct	tctttcacac	ttatagctaa	atattttgtt	tatttgatta	83460
tttgattgat	ttgggtgtaa	attctattgc	acctctggta	aaccaagtca	gcctgccctt	83520
cctggttaag	aaagagagac	agaaaatgcaa	agtgtaacca	gcttattaat	aagccgagga	83580
tagagaaaaag	aaatttgtct	ctgggctggg	agcagtggct	catgcctgta	atcctagcac	83640
tttgtgaggc	cgaggcaggc	gggtcacttg	agcccaggag	tttgagatca	gcctgttcaa	83700
catggtgaaa	ccccatctct	actaaaatta	caaataattag	gcaaggatgg	tggcatgtgc	83760
ctgtaatccc	agctacttgg	ggtggctgag	acacgagaat	cgcttgaacc	cgggagggtg	83820

aggttgcagt	gagctgagat	cgcctcactg	cactccagcc	tggctgcact	ctagcctggg	83880
caacagagt	agactttgtc	taaaaaaaaa	caaaaaacaa	ctgtctctgg	cataacttga	83940
gaagggagaa	gctagaagag	acctttgggt	tcatcaggtc	caagcactgc	taaccattca	84000
gctattctgt	gggcagaatg	tctttgttct	tccaggtgca	acttcagcag	ctgtgggcct	84060
gaactgacag	tgcggggtaa	ggatatcact	ctctccatgt	gaaacaaagc	aggactacag	84120
gaaagcaggc	tgatttggaa	aggccaggcc	cacccaggac	aagaggcagt	gctgagtgtt	84180
tggctcatga	caaaacataa	tttacaaatt	tactggcttc	aaggatgtaa	aaagttataa	84240
tttactggct	tcaagggtgt	aaaaaggcct	gcttcctagc	ctagctgcaa	gcagcaactc	84300
agtccatgat	cagcagattt	tctgaagcct	gggggtggga	tgcatgttgt	taacctctga	84360
tgcatgatgtc	tgctgagagt	ctgtaatctg	tgtggctcatg	aagatgagat	ttcatccatc	84420
aattgcttga	caagggttat	catcgtatct	ctgggcctgc	gtggctctca	acacacgacg	84480
taagaaacat	attggacaaa	agcatttcct	gggagaattc	tccagcaaga	attcagccat	84540
tggcaaagaa	tctttcaagt	ggccctatct	cactggagac	aagtaaacad	atacgagctg	84600
catatgtgaa	tatacactcc	ttcaagggtgc	tgcactttcc	tagaaacaaa	aagaatgaga	84660
ggaaaaagct	ttacaggcat	cctgttagga	tgctttctct	cgtttatttt	taggctcttt	84720
tcagctctgt	gctaagaggg	gaggcaaaagg	aagggttac	ccagaatgca	aagcttttta	84780
gtgagggttt	gggggtgtgca	aatttgttaa	agtgggtgaaa	accagtgctc	tatggaagtt	84840
cacagcatcc	acagcactca	gagcccccca	aatatctctg	gcccttgtgt	tcactaattc	84900
caaggaattc	tcagccattc	caggggactg	tggggatccc	cctgaaacca	ctacaattac	84960
ccagaatgtg	cccctcctaa	cacataggca	ttgaaccagt	tcctaactct	cccccaactc	85020
tcacagatct	ctagtacttt	aagagccata	tggcacacat	gcttagccct	cagccttctg	85080
cctaataggg	gagtgttttg	ccagggaaaa	ataagattag	ggaagaggac	aaagaaagaa	85140
gaagagaagg	agtttccata	tccattaatg	aattcattca	acagatgggt	atggaacact	85200
taccattttc	caaagaccgt	actatggtgt	gggttataga	ataagaaaca	gcctggcttt	85260
tgaggagtag	aaactgtccg	gtggaactaa	cattaaaagg	tggtaatata	acatgacaat	85320
tgtactgatg	cacatagacc	ctgggggtgtt	ttagggacat	agaggatggc	accaaaccct	85380
gactgagggc	atcatccaga	cagatacatg	ctcttgtttc	tgtgagtcct	gtgagggtgag	85440
tcactcacaa	agaaaatgta	aagaaataac	tcagaataaa	taaaaagata	gatggcacag	85500
taagcttggc	agattgatgt	tggagaacgt	cagttttggg	ggcaacaatc	tgcaagggtg	85560
tctaattttc	tcctgcacca	ctcggctgcc	cggatgcaaa	agcagacaat	ggattgtggc	85620
tctgatctga	gttttattgg	gcagatgctg	cagaagggtc	tgtttgaaaa	gggaatagga	85680
tgttattgag	agaacagttc	agatgaccaa	ccagggtatc	gaaattaggt	agagacagta	85740
agagagactg	ataaactatg	aggaagcaaa	agaaccaagt	gactggagggt	ctataggctg	85800
tcaatgtaca	aatgtggcag	gagtaagcac	atgagagggc	tggaggatag	gatgctcact	85860
catttattcc	tcagatgttt	attgagtgcc	ttcagtgtcc	aggtagtgtt	ctagtcttga	85920
gagtacatca	tgcaaatgc	tattggggagg	agaaaacaat	aaataaaaatc	ataataataa	85980
acaagtaaat	tatgtaatat	gttaaaaagg	aataagtact	atgggttggt	gggggcaggg	86040
gaagagaata	gagcagaata	agaattcaga	attccgagga	tagggtataa	ttttaaatag	86100
ggttgtcatc	atagctctgg	ttgagaagggt	aacatatgaa	cacacaatca	ggagagaaaag	86160
aggatgagct	atgcagatac	atgtattgaa	atattccagg	cagagagaaac	agccacttca	86220
aagcctcgca	gtgtgtgagt	gcctgggtgtt	ttcaaggaaa	agcaaggagg	ctgtgtggct	86280
ggagtggagt	gggcctggag	aagatgtaag	aaatgagggtc	aagaaacaac	agggatcgag	86340
tgtgtaggct	ttgtagactc	tggtaaagac	tggctttccc	tctgggaaat	agagagtcac	86400
tgtgggggtt	tgagcacaga	agtgatgtga	tcttatgtct	ctttaatgga	ttactctagc	86460
tgctatgttg	aaaaatagact	tgagggaagt	gccagggtag	aagcagggtg	accagttagg	86520
aggctattgc	aataatccaa	ataagaaatg	caaagtaaga	ctttgatcag	gtgggtggcag	86580
cagagggtgt	gagaaggagt	tagattctgg	atgtatttcg	aggatagagc	caacaagatt	86640
tatgacagat	tggatgtggg	tagtgagcaa	gagtcaggat	gactccaagg	tttttgggtcc	86700
aggcaaattg	aaagggtggag	ttgccattat	ctgaaatggg	gaagaagggtg	agcaattgag	86760
agggagactt	ggagttaaatt	tttgaacaga	ttgtagtcaa	attggtgttg	ggatattggt	86820

gtttacaatt	cctgaagggg	aaccattctg	agtgacccta	agaccagag	tgtaacctgg	86880
ggatgggtgt	ctgaagagga	ataaagttaa	atcattatga	ttgaataatt	tagaactctg	86940
gaggctgaaa	agctaataaa	atctcctagg	atgttctacg	aggatggtgg	cccaggcacg	87000
agagtaggga	acgggggtcag	gccttatgat	ggatacttta	aatacaaaata	gttagagggtc	87060
acactaatat	tagcttgagg	tgtgcagaat	tttaattggg	tgcagattag	tgtatacatt	87120
agaaataagc	aagatattaa	aagatcaaat	ttgctgaaac	acatcagata	acattatgat	87180
aaaggtatit	ggagtittat	ttgagttaga	tttacaatcc	cattgtagca	tggatcaaaa	87240
acagtaagtt	gataaagaaa	tcagataaat	tttcacaatt	taaattttta	ttgttttatt	87300
aaaaagcatt	ttggaaagac	attcatatit	ggttttggat	aggttaaagc	tcagtgtatac	87360
cattttacatc	aattttttata	gcatttttaga	gagcatgggtc	ttgtgacatc	ttaggataag	87420
ttttctgtta	gtcacagcat	gccacaaggt	accttgtgct	ccattctctg	gccatgtttt	87480
cagactcagt	aacttcaaatt	aaaataaaact	gccaagtgtga	gaaattaaca	tttgataaaag	87540
tttttgcaac	atcataccat	tgagctgggtg	gatgtggctt	aagcatctga	attcatttaga	87600
gactattgaa	atgataatgc	agaattatac	aggttttgca	gatgtagttc	aataatttatc	87660
tatatgtatt	gaaacctcac	ttgaggatag	aaaaatcaag	caagttcttg	tcttacattt	87720
ccactcaata	aatgaagagg	aagagataat	gagaaaagcta	tataatcctt	taaaaaaaaa	87780
attcaccttg	tttctgactg	acagtaaccc	aattcaggct	ttttactctt	cataaatgga	87840
agacaagtaa	cctagatagt	actggctatc	tataattaaa	tataacaatat	tgaaatctat	87900
ttgctttgtg	gaaattatgt	gtttgtggct	gattaaaata	ttcagctatg	taggcttcat	87960
cttttagctc	aatagaaaaa	tataaatgac	attgggtgact	gaattcctac	caacgtggca	88020
aagacattcc	ccagacatac	ataattcacc	tgctgaattg	gagatgattc	acctttcagt	88080
gacttcacag	gtgttaactt	ggccaaacaa	aaaagggaaa	tcattcttgta	ttcatctttt	88140
gttccctgag	gcaagttttc	agtaagattg	ctcgggaaaa	atatcacaat	atacatatat	88200
aagtccatag	tatgtctatt	tgaataatga	attagcacca	ctgtctgaga	ggtgaaaact	88260
attcaatgta	tattttctgg	aaaataacta	aattgagttc	ctcttaacta	aatcagaaaag	88320
agaaggaatc	ctcaatcagg	atttcatgta	gtactgtatc	actcaaagga	aaactgattg	88380
tatagtggta	ctcaataaaa	gtgggtccaa	agaaaaatta	tgagagaaac	gtaccgatca	88440
gtgatctgga	ccaaacagac	atgtggctgt	gaaatccagg	cagttgcttg	gtgacgaggt	88500
caccatcaga	tagtcatggc	ttatgtgcag	gaatgtgaga	atggccatgg	ggaggaatgg	88560
cctgggttat	gggtcttgca	ggagtcccac	tgcttgtgcc	attgctcaaa	cttctgactg	88620
ccctgtgcag	ccggtgccag	gtcagcagta	ctctctgctc	tgaatcagtg	tcagcactgg	88680
tctctctaata	gtagtacctt	tcttcaaaaa	atgctttgtg	aagctgctgg	ttagcactgt	88740
tcttacttct	gtagttaata	ttcaccacat	attccccctt	ttttgtggag	agataaagaa	88800
attaaggaaa	atcactctcc	ataagtccac	aatctgaaga	catggaggct	gaggaggcag	88860
acctgaatga	ataagtggat	catatgatag	ggctagatct	taaatttgga	tacaggagac	88920
ttaaggtaaa	ccacagaagc	ttgttgttta	tacatgtagc	tcttttgcta	aatataaatg	88980
tgatcatgta	agattaataa	atctgaatgt	aatgtacaga	atgtactaga	acaggaaaaa	89040
attggtgttt	actgagagct	gaagggtaca	tcaaaaatct	aaaaagtaat	atttttgcat	89100
catcttaaaag	tttgcaaaaca	gtttttggcac	atacatcatc	tcattctttg	aataacctgt	89160
ggggtagata	caaaaagatga	tgttattttt	attttccaga	tgaggaaaata	ggagcctgtt	89220
tcctgggtcag	acaggcttag	tcagctgtga	gtggcagagc	tggtgttccc	acctgttacc	89280
ctcaacccca	gttccattgc	tcctaacatg	attgtatcct	ggataaacat	ggtatcaaga	89340
atggagaggc	caagcgcggt	ggctcacacc	ggttatccca	acactgtggg	aggccgaggt	89400
gggaggatca	cctgagggtca	ggagttcgag	accagcctgg	ccaacatggg	gaaaccccat	89460
ctctactaaa	aatgcaaaaa	ttagatgggt	gtgggtgggtc	gtgcctgtaa	accagctac	89520
tggggagact	gaggcatgag	aatcacttga	acctaggagg	tggagggttg	agtgtgagccga	89580
gattgccccca	ctgcactcca	tcctgcacaa	tagaacaaga	cactgtctca	aaaaaaaaaa	89640
aaaaatggag	agtgaatttt	gggaggctga	ggcaggcaga	tcacttgagg	tcaggagttt	89700
gagaccagcc	tggccatcat	ggcaaaagcc	tctctctact	aaaaatacaa	aaatcagcct	89760
ggcgtgggtg	tgggcacctg	taatcccagc	tgctcggggc	tgaagcagaa	gaattgcttg	89820

aacctaggag	gcagaggttg	cagtgagcca	agatcatacc	actacactcc	aacctgagca	89880
acagagagag	actctgtctc	aaaaaaaaaa	aaggatggag	agtgagagaa	aactcagaga	89940
ctttgaaata	agaagtga	gaggccgggc	acagtggctc	acacctgtaa	tcccagcacc	90000
ttgggagacc	gaggcaggca	gatcatttga	ggtcaggagt	gcgagaccag	cctggccaac	90060
atggtgaaac	ctgtctctac	taaaaacaca	aaaattagct	gggcatgggtg	gcgggcacct	90120
gtaatcccag	ctactcggga	ggctgaggca	ggagaatcac	ttgaaccagg	gaggcagagg	90180
ttgtgggtgag	ccaagatcat	gccattgcac	ttcagcctgg	gtgacagagc	aagactctgt	90240
ctcaaaaaaa	ttaaaaaaaag	aagaagaaat	gaaagaaact	tggcaattga	ttgggtgttt	90300
ctgataaaga	aacagaagaa	ggaaaagggtg	attcctaggt	ttctaaaacc	tggaagaggt	90360
ggacagttag	attataatat	aagcagctga	tgttggcaac	atgcctacta	tgtgccaggc	90420
catgtgccaa	gcatttttgcc	atattgcctt	attaaatcct	tacaactctt	tgaaggtaga	90480
tcgcataatt	attattctca	ttttagaaaa	gggtgtgcat	gaaagttgct	ctcactttta	90540
gaaaaagaaa	aaaatcttcc	ctccaaaaca	aggctaagct	caactggatt	cactggccta	90600
tgctgacagt	acctggggcc	tgggacagtg	gtttgggtgtt	cttgtgtgta	tggatgtatt	90660
acaatgtcag	acacaaagta	actaagccgt	gctcctggcg	gttatgatgc	ttgcaaattcc	90720
agcactgcca	aactgttttag	tgctctctag	gtgctttgcc	tgtggttaga	acaagcttca	90780
ctaagtggat	agttttgcct	tggccctgcc	tttaaggcag	tctgccatgt	catcaagaga	90840
cataggtaag	aatgctctcc	tccttagtta	tgatttaaaa	ataaaaagtat	aacaaaagtat	90900
aattatcaaa	tgactatttag	tagaaatgtt	gcattttatat	acactattta	gattacaatt	90960
cttaaataca	atgtcttttcc	ttcttggttac	ttgtaattaa	ttagtatcag	tcactgtcca	91020
gtgtgagcct	ggcattgccc	ttaggttaac	cagttcacat	cctgaacttc	tgttggtgcc	91080
cagggtattt	gtctgaaacc	ctgattattt	acatctccct	ctaactttca	aatttgtctc	91140
caatctcatc	taaaactatt	aatacttgag	aaaaggcctt	tccccaattt	cctgcttcta	91200
atccctttat	cctcttttctt	tcttgaaaaa	gtagaggaaa	atggttttaca	tatcaaataa	91260
agtaaatagt	atatgaaaaa	aaaaaaacct	ctaagggctc	caaactctgt	ggatatctac	91320
ctgctgggta	tttattcact	aagctgcaca	tagcaatccc	ctagcaacca	taaacttcat	91380
gcataaaatc	ccaactcttc	tccaatacca	cctgtttgta	ggtagtcatc	cttcttttta	91440
aagacttggg	agttatacaa	ggaataagtg	ccagagttta	gttctttgtg	aaaataaatt	91500
taaagaaatt	ataagttttc	acagggtgtg	aaagatgttt	cttccagtg	gtccttcact	91560
ccaaggctgc	actggagatt	atgctggtga	ggaagctttg	gtctcgtagg	tctttggccc	91620
caaggcaaaa	ggtcatggct	gtaagtgtct	ttcttcctga	tccctctag	gattgtgaag	91680
atgtccagtc	ccaatctgaa	cattgtgacc	ttactgggca	gttgtctcac	ttacagtagc	91740
gcttacctct	ttgggattca	ggatgtttta	gtggggagct	caatggaaac	tctcattcag	91800
gtaggtgaag	ttttaaaatt	tggttttgac	tataaagttt	tgattatttt	tttaaaccag	91860
ctgctcccg	gggtgggtgg	ttcctttatc	cttgagtggt	gcacttttcg	agggaatccc	91920
agaacacttg	gtgaggttca	ctctgtacct	cgtgcgctct	gtgggaccca	gaccctacag	91980
atcagagtgt	gtggagaact	gataaagggt	cctcttggtga	ctcttctgtc	cccttcacc	92040
catagacaag	actgtccatg	ctgtgcattg	ggacctccct	tgtgtttggc	cccattctgg	92100
gaaagagctg	gcgactctac	aagggtgtta	cccaaagggt	cccggacaag	agagtgggtga	92160
gtaggcagca	agtacacaa	gcttgactgt	agatggtagc	ttcagcattg	gttaacagct	92220
agagaagctc	atgcacatta	ctgagcctag	cccctttcag	gacatccaaa	gttcctgttt	92280
ctcattccaa	accctggaat	catgcagcct	cataaggcct	caggctctgga	aggctgtgga	92340
tcagtgtgtg	tgaagatagg	gcttcaaacg	tgggctctgg	ttcctatgta	ccccaggccc	92400
tgtggggaca	tgtgagctgg	ccaatacctg	gcaccagtgt	gaggcagaac	aagataccca	92460
gagactgttg	tttggcacag	gtgagagctg	gaagtgaagg	gaggaagagt	gattacagag	92520
aaactatagc	aagtaagtag	ttatttcctt	ccctggagtc	cagttctttt	ctatgtagaa	92580
ggcagttctc	tgtactgaga	aggatgtgcc	caaagcagtg	agcaagggaag	agcagataga	92640
atcaactcta	agttatgtag	cagccagatc	accgacatgt	ccctgggtatc	agtcatcaac	92700
ttaaccacat	ttccccat	tatcagggtg	tctgatgaga	ctgctcaaac	ctcaattcct	92760
gaccattatc	ctcattgggt	ataggccctg	cccagaccca	atatatcatt	cagttgggtg	92820

ttactttctct	ggaatgatgg	gaatthtattt	tagcaaatgt	tattgaaatca	tggtgcatac	92880
ttacaaaaag	ctcagctgtg	agcaaccata	cctatgaaga	agattgccta	aaaggacaaa	92940
aactgcattc	atccctcaag	aacaccaatt	tcttttttaa	acagctttac	tgaagtataa	93000
ctgacatgca	gtgaactgca	catattttaa	gcatatgatt	tgataaattg	tgacatggat	93060
atacaacca	gaaacatgg	gcataatgaa	catatccctc	atcttcaaaa	gcttccttgc	93120
aaccctttgt	tatctccctc	ccctgtccaa	tccttatatc	ccttgttcct	atcctcagaa	93180
aatcattgat	ttgctgtcac	tgtagatgag	tttgcattht	ccagagtht	acataaatgg	93240
aaccatgcag	tatggactct	gttttctctg	gcttatthta	ctcacataat	tgthtttatg	93300
aatattatag	ttatttatct	atgttggtg	catcaatagt	tatttctttg	ttattgctga	93360
gtagtattac	aatgcataga	cacaatthgc	ttatctgtag	atggatgtht	gggttatcgc	93420
cagttgtggc	gattaaaaat	aaagctgcta	tgaacattcg	tgtacaaaag	ctthgtthtag	93480
acataggctt	ttatttctct	tgggtgaaaa	cctaagagta	tggttggtatc	atatggtaag	93540
tgtatattta	actthtttaag	taacagtcag	actgtthttc	gaagtggthg	taccattctg	93600
catttccacc	agcaatgtat	gagagtccat	ttcctccaca	ttcttggcaa	catttgattt	93660
gatcagctct	tttcatthta	ggcattctaa	taggtatgtg	tggtagtatc	tcattatgct	93720
ttcaaatttg	catttctcta	atgcagtatt	gagcatttht	tcacttgctt	atthgcatc	93780
catacacctt	ctthtgcaaa	ctthctgttc	aaatcttcca	cccattthtt	thttthttct	93840
gagacagagt	ttcattctth	cgcccaggcc	ggagtgcagt	ggtgtgatct	tggctcactg	93900
caacctctgc	ctthtgctth	ccagcaattc	tcctgcctca	gcctcccaag	tagctgggat	93960
tacaggcacc	caccagcaca	cccggcta	thttgtattt	ttagtagaga	tggggthttca	94020
tcagtthgac	caggctgggc	tcgaactcct	gacctcgtga	tcgcctacc	thggcctccc	94080
aaagtgtgg	gattataggc	atgagccacc	acaccagcc	tcactcattt	thaaattgga	94140
thttthgttg	tcthattatt	gagthttgtg	agthctthtt	atattctgga	tacaaacctt	94200
ttatcagatg	tatgattthg	aaagatttht	thccagthtg	thctthtgth	cctthtactt	94260
tcattthactt	cagaatgtct	thcaaagata	agacatttht	cattctgatg	aagthgaatt	94320
taccaatgtg	thctthgtth	thaggthtct	tgthtattth	thtgthtgth	thtgthattt	94380
tagtagagac	ggggctthtac	catgthggcc	aggctggtht	caaactcctg	gcctcaagtg	94440
attcaccagc	ctcagcctcc	caaagthcca	ggattacagg	catgagccac	cacaccggc	94500
cccaatgtgt	thctthtatgg	atcatgthtt	tggtattata	thtaagaaat	thttgcctaa	94560
cttaaggccc	caaaaggtht	tctcatgtgt	thactthccag	aaatthtaga	gththtagctt	94620
tgacatttag	gcctatgatc	ggtatatggt	atgatgtatt	gattgaattt	tagththttta	94680
catatagaca	thtgattatt	ccaacatcat	thgttgaaaa	gattgtcctt	thtthactga	94740
attacctthg	tgctthtgth	aaatcagthg	thcataagtg	tgtagatcta	thtctggacc	94800
ctccattctg	thtthactgat	gtgtctatct	caacagcaat	gccatattac	cctgattact	94860
gtagctthtat	actaaatctt	gaaatcagg	agtattagth	ctthgactth	ctthctthctt	94920
thcaatgctg	thtttggtcaa	tctgggtcct	thgaatgccc	atgtgaattt	thgaatcagt	94980
thactgattt	ctacaaaaat	ththttggga	thtatgthgaa	thtaatagat	caaattatgg	95040
agaattggct	thtthactaat	gttggtgtcct	thgacctatg	aaacctthta	thtaggtctt	95100
thattthttcc	catcatttht	thtgacttht	caatattgct	ctthcacatc	thtthataaaa	95160
ctthattthcta	gggattthtat	atthtttatgc	tattthtatat	gtthactattt	thththaaattt	95220
cactthtccag	thgtthtgthg	ctaataaata	gaaatataat	tattattattt	atththththt	95280
gagatggagt	thtthactctgt	cgcttaggct	ggagtgcagt	ggtgcgatct	cggtthaccg	95340
caacctccgc	thtccgggtt	caagcaattc	thctacctca	gcctcccaag	tagctaggat	95400
tacagggtgcc	tgctaccaca	cctggthtagt	thttgtattt	thtagtagaga	tgaggthttta	95460
ccgtthttggc	caggthtggtc	thcaaactccc	aaactcagat	gatctgcctt	cctthggctc	95520
ccgaagttht	gggattacag	gcattagcca	ccatgcctgg	ccacagaaat	ataattaatt	95580
thttatgtgct	tagctthgtat	actgcaacct	tgctaaacta	catgttagth	ctagcagctt	95640
thttatagag	thtthactagat	thtthataaaa	gatgatcata	thcagcagtga	ataaagataa	95700
thttattthcca	atctctthgtc	tgattgcact	ggctagatac	aatagtacaa	thtgaataga	95760
agtggtgaga	gcagatatat	thgtthattct	tgatcttatg	gggaaaacag	thaaaactaa	95820

gaatgatatt	agcagtagtt	ttattgtaaa	ttccatttat	ccagttgggg	cagtactatt	95880
ctattccttat	tttgctgaga	gttttaaatca	agaactgatg	ttgggttttg	tcaaaagcctt	95940
tttctgggtc	tattgagatg	atcatacagt	ttttcctttc	ttagttttatt	cgcatgggtgg	96000
attatgttaa	atgggtttttt	ttttaaaccc	ttacacaata	gacttttattt	tttagagtag	96060
ttttaagtta	acataaaaaat	tgagcagaag	gtacagaggt	tttacatata	cagtcttttcc	96120
ccacacatgc	atagcctctc	ccattatcaa	tattccccat	cagagtatat	acttattaca	96180
attgatggaa	ctacattaat	acgtcattat	caccagaggt	ctgtacttga	cattaggggtt	96240
cacttttggg	gttggtacatt	ttatgggtct	ggacaaatgt	gcaatgacat	gtatctacca	96300
ttacagtatc	atacagagta	gttttactgc	cctaaaaatc	ctctatgctt	ctgctcatta	96360
tctctttctc	tccccatatg	ttaaatgatt	taggggtgtca	aaccaacctt	ccatccctgg	96420
gattagcttc	atttggtcat	gctacattat	cctcttcata	tattgttgga	ctcagtttta	96480
taaaaacttt	gttttagaatt	tgtacattca	tgttttttaat	acataattgct	ctgtgggttgc	96540
cttghtaatat	atttttctag	ttttgggtatc	agggtaaatgt	tggctttata	aaatgagttg	96600
ggaactattc	ccttcttttc	aatcttcagga	ataatttcta	tagaatagca	taattggcac	96660
tcatgtataa	gtaccttaca	atagtatgct	tccttttatc	cccattccta	tccttgctgt	96720
tacatgttat	aggccccatg	caattctttt	gtttaataaaa	tcaattatct	ttaaaaatat	96780
tttatttttt	tatttttaag	accagggaca	acatgctgaa	ttttgttatt	ttctttaatg	96840
atattttaaat	aatgaaaact	aatcatgtat	ttttctgttt	agttaccatt	tccagtgttc	96900
ttaatttcct	gtatagatcc	acatttttat	ctcatattat	tttcctttgc	ctgaaggata	96960
tctaacattc	cagtgtgggt	gtgctactac	tgaattcttt	cagcttttga	ttatctgaaa	97020
aagtctttat	tttgctttca	tttctgaaag	atatattact	gagtatagaa	ttctagactg	97080
aaattttctt	ttcttcttct	agtactttca	agatgttcct	gcactgtcct	ctcacttggc	97140
cttgtatctg	atgagaaagtg	tcagggttat	tttatgtcta	cacaaaatgt	gtctttcttc	97200
actgcttgct	ttgagtagtt	tccctttatc	actggttttg	aacagtttga	ttaggcaatt	97260
ggtttgtttt	taattttaca	aacaccttga	atcacgtaac	tgggtgtgct	tcttttctact	97320
ggttgtcaaa	agctcagatc	cacatttctt	ctgctccaat	tagtaaatgc	tattatatat	97380
acactcttca	tctgagcctt	catcataatt	ccctttattt	tctctcttcc	cggttgttaa	97440
atattttaat	cctatcacag	tatatatttt	tctcaatttt	atttttgtag	tcacaaacta	97500
acacattctc	ttcatcctaa	gtcaaatacg	gatgggtccct	gacataaaac	agttcaactt	97560
acagtttttc	tatttttaca	tgggtgtgaaa	gcaatccaca	ttcagtagaa	accatactta	97620
aaatacccat	acaaccactc	tgtttttcac	tttcagcaca	gtagtcaata	cattttatga	97680
gatattcaac	acttcattat	aaatttaaatt	aagctttgtt	ttagatgatt	ttgcccaggt	97740
gtaggctaata	ataagtgttc	tgagcacatt	aaaggtaggc	taggttaagc	tgcaatgttt	97800
ggtagcctag	gtgtattaaa	tgcatttttg	acttatgata	ttttcaactt	atgatgggtt	97860
tatccggaca	taaccccatc	ataagtcaag	atcataagtc	aatctgtaat	tcatatgtat	97920
ataatgaaaa	tgctaattgat	tcttcctgca	tctctgagtc	ccaccctctc	agttaatagt	97980
tattaacatt	gtgggtgtgac	attcatatct	atgtgcttat	ataaacatat	agaaataata	98040
gtttattttat	tttataaaaac	accttgagtc	ctttgtggga	aaaggtagga	tatgaagaag	98100
ttaaacaaaat	ggaaatgtgt	aatgctaata	atgatatcag	catagaagtc	attgtaaaatg	98160
tttggtgtct	gtttcatttt	tgatagctac	atttgaagct	ccttgggagg	gctgaccttg	98220
gagcatatag	ctgagagcac	atgggatact	ctagcccctc	tgtcatttag	ccagtcaaca	98280
aggagaagtt	ttgaccttga	ctcttttgca	gattatcaaa	gacctgcagt	tgctgggggtt	98340
ggtaggcagcc	ctgttgatgg	ctgatgtgat	cctgctcatg	acgtgggtgc	tgactgatcc	98400
catccagtg	ctccagattc	tcagtgtcag	tatgacgggtg	agggggccaaa	tcccctagaga	98460
atctcatccc	caaaactggac	tgacctctgt	ggatacacag	gagtcacctt	tgcaacaaga	98520
agataaaagga	ctccaagagg	agggagagtc	aggagttgtg	gcttccatgt	aattcttgcc	98580
ctagtctgct	gccactccca	ctgctcctcc	tgtcccgagtg	tctctttgtg	ggcatacaat	98640
gagatatcag	catgctggaa	tctgcctggc	agttctgcca	cttccacatt	atcaataatt	98700
aaaactttca	gctatcggca	gttaccttcc	cctaattgta	gaggtaggagg	tagtagttta	98760
aggtggcctt	tggagtcagt	caaccctggt	tcaaatccca	gctctaccaa	gctcaccagt	98820

tgtgtgacct	tgggaaagtt	atgtaacctc	tctaagtctg	tttcctaatt	ggtaaaattg	98880
agataataat	actacctatc	tcatagggtt	gtggcaaaga	ttaaatgaaa	caatgtaggt	98940
aaaagactta	accatgtcca	gtacatacta	ttcaattaac	aagaagtatg	gccgggcacg	99000
gtggctcacg	cctgtaatcc	cagcattttg	ggaggctgag	gcaggtagct	cacttgaggt	99060
gaggagtttg	agaccagcct	ggccaacatg	atgaaaccat	gtctctacca	aaaatacaaa	99120
aattagccag	gcgtgggtggc	acatgcctgt	aatcccagct	acttgggaag	ctgaggcagg	99180
agaatctctt	gaacccagga	agcagagggt	gcagtgagct	gagattgcac	cactgcactc	99240
cagcctgggt	gacagagtga	gaccctgcca	aaaaaaaaaa	aaaattatta	tatatctcca	99300
gcctcacgag	gggctgagga	atacagtgga	atcatggaat	cgtgacactg	caagattaat	99360
gtttaaggat	tcaatgattt	gcaaaaagca	ggtgcataat	gaaatagttt	atagttttgt	99420
tgaggcacta	atttgattgg	ggtagcaaaag	cacataaatg	aggggtaagc	cctagtgtca	99480
ccaagcacac	agctgttagc	ccaactttat	catctcttct	cctaacacgt	agtcactctc	99540
atttaggttc	tagtgagtc	acctaaatgc	tgcagttttt	acatactgag	ggggatatcat	99600
gtactctaga	agaattcatg	ctccagcatg	ttcacaaaga	tctgctttgt	gttcctggta	99660
attgtgggca	cctccagttc	tgactctgtg	tcccttctag	gtgacagggg	aagacgtgtc	99720
ctgcacttcg	accagcaccc	acttctgtgc	ttcccgggat	tccgatgttt	ggattgctct	99780
catttgggga	tgcaagggtg	gtaaccacat	ctgatatggg	ctctgtcacc	aagaaaatgg	99840
atatgaagag	ggaattacag	gaattaacga	ggtgatgtct	gcaaagaatc	ttgaactcag	99900
aggagacctc	tgttgatgca	taaacttcaa	agccatgact	gtttttactt	ttctatttgt	99960
atttgtttgg	gggagaccct	ccaactcttt	agactccctc	attcagtcct	cccccaaatc	100020
atctggaatt	cacccactgt	ttctcctatt	tattggtctg	gtttcttaat	tgatttgaca	100080
ataccagttt	tcccttcac	ttccctgcaa	gaggaaattat	gaggagaaat	ttgaccagc	100140
tttatttgtt	ctcctaagtg	cccttattat	gtctcttggt	ttttcttcaa	gatttgggcg	100200
aagggtgcct	ggtgcctttc	acccacctga	ctttctccct	ctggttggaa	gcaagactgg	100260
ctctgagaca	gatggcagca	ttcacagggc	cctttgaggg	gttccacctg	tctcacagtg	100320
tctcccatac	tgcccccac	ctctcaccat	tagactcatt	tgtctctgtt	agatgggcaa	100380
aagtagaata	ttattttccag	aaggtagagg	atacctgcat	ggagcactga	ggatggtcct	100440
cagaacagga	cagctgggtt	tcagcttagg	gagacagaga	actggtgctg	aggggtacag	100500
ggcagtcctg	attccataaa	caagcaagtc	ctgcctgaca	gcagactacc	tgttgactat	100560
cagggcagag	agttctgggt	gactgattac	tggcagagga	aaaggaggag	ttttttaga	100620
aataagtacc	ctttaagggt	aaactctggc	cgggcacagt	ggctcacacc	tgtaatccca	100680
gcactttggg	aggctgaggt	gggtggatca	cttaagggtc	ggagttcgag	accagcctgg	100740
ccaaacatgg	tgaaactctg	cctctactaa	aaatatagaa	attagctggg	tgtggtggta	100800
tgcacctata	atcccagcta	cttgggaggc	ttgaggcagg	agaatcactt	gaacctggga	100860
ggcagagggt	acagtgagcc	aagattgcgc	cactgcactc	catcctgggc	aacagagcga	100920
gactctatct	caataaaaaa	aaaaaggggg	ggtaaacttt	accactttca	ccactaagaa	100980
agtattagaa	gttggtgctt	gtgaggaaca	ggtttagggg	taggccagac	tagggcaggg	101040
aaacattcct	ttttaactat	gtgcaaatat	tactttgaca	gaaatatttt	ttaaaagaag	101100
actctaggaa	gtgaacagct	cttgatctcc	agaatcttgc	taatgggttaa	aaaaggagct	101160
ttagtttgta	cagatcaggg	tttgaatctg	actccgcccc	tggctagcca	accctgagcc	101220
tcatttaacc	tctctgagcc	tcagttttcca	aatttttaaaa	tgcggatgat	gataatatcc	101280
cctcagaact	gttctgtctc	taaagagtta	atgcatgtta	agagttttca	gccgctcctg	101340
gtccatagca	agagctcaat	aaatgttaga	tattattatt	actattcttc	cactgcccc	101400
tagacacttc	tggaaaatac	attgcctctg	ttggttcctt	gagtccctgt	agaagagtgt	101460
gtcctcccta	gcccagaaaag	ccagcacttc	ccccatagct	acttactttg	tgactcaatt	101520
tgatttattt	tctccattgc	cttttatata	ctctcatttc	catttctattt	tactgtaata	101580
tctttctgta	ggaaaaagaa	ggaaaaaggat	ggagcatcag	gaaacttact	gagccagacc	101640
ccatagactc	cctgggtcagt	gagaagctcc	tcaggaggac	cccaatctcc	acattgagtc	101700
ctaggacccc	tgctctctgt	caactgcccc	ctacccacaca	cttctcagca	gttaaggcca	101760
gtgatatgca	aggatcaaat	atgactcact	cagacaccag	ccaggaatgt	atagacactt	101820

gattcacacc	cattttcccct	ttaacaagaa	ttttaatgga	attaaaaact	tttagtggaa	101880
tcatatctga	acattttcaaa	atcacagaat	taattttcatt	tgctttttat	taaattagca	101940
atgatccaac	tctgctgaat	accacctgat	ggcgtcagtt	acccaaaagt	tgggcttccc	102000
tggtctcctg	acttatgtgt	cctctagtca	ttgaagatct	caggggtggcc	acatttggcc	102060
ttcaggcccc	atttggggaca	ctggggcatta	ggggaaacctg	gaaggatatct	cttccatgct	102120
gactccttcc	cttctggcac	agccagttct	ccaaaatatg	ttcttttagtg	tcacccatga	102180
aggtggagtt	gaccacgtca	tatgatttga	gggtcaccag	caggtgtcct	gctgatacct	102240
gactttattt	tcattattag	ttctccctct	gaatcccaca	gtcccacccc	cacctcgtct	102300
cccatggcat	cttcacgttc	tgagtcatca	acatgaacat	ttttaggctg	ggcgagtg	102360
ctcatgccgg	taatcccagc	actttgggag	gctaaggcgg	ttggatcacc	tgaggtcagg	102420
agtttgagac	cagcctgacc	aacatggtga	aaccccatct	ctactaaaaa	tacaaaatta	102480
gctcagcatg	gtggcacaag	cctgtaatcc	cagctactcg	ggggctgaga	caggagaatc	102540
gcttgaaccc	gggagacgga	ggttgtagtg	agcagagatc	atgccattgc	acttcagcct	102600
gggcaacaag	agcgaaactc	catctcaaaa	aaaaaaaaaa	agaagatttt	tgtgcttacc	102660
ttaaatctac	ctaccagacc	aagtgttaaa	agccaggacc	atgacttctt	tgtgtcacta	102720
ttttctgccc	tacacgtact	atggcactgc	acacatagtc	agaaaggatga	acctaattga	102780
atctatgtgt	tatgtattat	tgactaaagc	tttgatttct	gtatgaatgc	agctcctgtg	102840
gagggggcag	cactttaagg	tgctatgagt	tattttctcc	ttagtacaaa	tgacaactct	102900
gagagcaggt	ttatattcat	aggaaagaga	acagaatagg	gccctggggt	ccttgtaggg	102960
gagcaagaaa	tgtcacaaaa	aggggtgagaa	ctatagatgg	agctttcgct	gtctgtgcct	103020
gccccacagt	cttgccctggg	tcccagcctg	cctttgttct	cccccttttt	tacccttcat	103080
ctcccataaa	cactcactgg	catggagccg	ctgctagcct	gtagagatcc	tttgtgtaaa	103140
ttttttgaag	gccccatccct	tctagtccga	tgcatgcttg	caggtgcaag	gcttggcaag	103200
cagatggtgc	ctttgggcaa	attagagaaa	agagccccct	cctatgggca	ctaccctggc	103260
tgtggcacat	gacttgacaa	gcagatcaga	ggtcactttc	agcttccctg	tgcacccctca	103320
gctttgagca	gggcaaacacc	agacaatggc	tgtggttagca	ctcactatca	gaggttctgt	103380
ggggccactg	tcctccaagt	gccaacagc	tctttctgta	gggatactaa	cccaccacaca	103440
tgatcctgtc	ctatgcccttg	tctcagaaga	gtcttatatta	atggctgact	tgctgacttc	103500
tgataaacta	attctcagca	aaggagagga	aaataacatt	tattaagtat	ctagtaggta	103560
taaggggctg	ccctgagggt	tttcttatgt	gatatcttag	taaatcctca	tagcagtcct	103620
taaggtaggt	attattatcc	taattttaca	gatgaggaaa	ttggttgcaa	acctactgct	103680
cattgacctc	ttgttccact	tctctgagcc	tccgtcacct	cttcaccccc	cagggctctgc	103740
tcctgctgta	tgggtgcctac	ctggctggcc	tgactggcca	tgtcagctcc	cctcctgtga	103800
atcagtcctt	aaccatcatg	gtgggggtca	acctccttgt	actggctgct	gggctgcttt	103860
ttgtagtcac	cagatacttg	cattcctggc	ccaacctggg	ctttggactc	acatctggag	103920
ggatctttgt	ttgtacaact	acaatcaact	gcttcatctt	cattccccag	gtatggattt	103980
tgacgggctg	gtcctcttag	tactctaga	gtttttcact	gacaaattgc	tcattttgtt	104040
ttctactgat	acctttccat	gccacttatt	ggagagtcag	aaagcagaca	ggggatccta	104100
gtgagctggt	tgcccttgtc	ctttctcact	gtcctgggtca	gcaaggggga	caaggcagag	104160
tgggtccaagc	agtgggtggca	gcccctgttt	gcactcttcc	acacctgtgg	tgccctgtccc	104220
ttggggggggc	tgccctgcag	tcctgctttt	ccatccaccc	tctggtctgc	tgcactcgtt	104280
ccccatcctc	ccctcatttc	catcatgtta	ttactatttt	tttctactagc	ctgggagcaa	104340
ggaaccttta	tattttttcca	attggggatt	gcagactcac	aggaaaaaat	ccatttagat	104400
ggaactttat	gatttaaaagt	gctttctctt	tctttttatt	ggaggaaaaat	acagaacatt	104460
tctctgcttt	ttacaataag	gagaggtaga	aactaaataa	aaatatgttt	catattatgg	104520
ggatttttaaa	aaatcaaatg	aggagggaag	acagaagcag	aaatagccag	atagcaaaaga	104580
agaaaaggtag	tcagaggggaa	cagagaagga	atcctaggct	cagaaaagcaa	ggggatgtgg	104640
gattgttcat	gctacaccct	ggggaccatc	aagccacata	tatctagggt	aatgaacttg	104700
gcactaggta	ctttcttgtt	tccctcctag	ttctcctttt	cttccctctg	agacctccct	104760
catcccactc	ctccttcaag	accctgtcct	gattcccat	gcaacttcca	gttgactgta	104820

aactaattcc	tcatgatgga	gctaactgat	aatgtaagt	ttggctgatg	gcacgttaca	104880
gtgtatttgt	gaaagggaag	agtgcacttt	gggtcatgat	ggtatgacat	gggcatagcc	104940
ctgttacgat	tcttctctat	cacaaatcct	cattacagta	ctcaacagaa	tacataaata	105000
tggaaaaatc	tgcagcagca	gcactagaaa	cgatggatgg	ctattgcctc	tgtgccagaa	105060
actggaggaa	tttttgccaa	atcttaatgc	cgtaaaaact	ggaatgaagg	aagccattta	105120
gagctgaggc	ttgtttgtct	gggatgaggc	agaaatgggc	tctgagaagc	aaggactggt	105180
tctccctggg	agaccggggg	cgggggcggg	gtgggtgggc	aggggtaagg	gtaggcaggt	105240
gccttttggg	aagcccaccc	cttaggccct	gcagccaata	ttgttggatt	ggtagcgatc	105300
aacaatgcag	agaactggtg	ctgaagggtg	caaggcagtc	ctgattccat	aaacaagcaa	105360
gccctgcctg	acagcagcct	acctgttgac	tgtcagggcg	gagaggcctg	gttgactgat	105420
tactggcaga	ggaaaaaggag	gagtttttgt	agaaataagt	accctttaag	ggtaaactct	105480
ggccaggcac	agtggctcac	acctgtaatc	ccagcacttg	gtgaggctga	ggtaggcgta	105540
tcacttgagg	ttaggagttc	gagaccagcc	tggccaacat	ggtgaaactc	tgtctctact	105600
aaaaatatga	aaattagctg	ggcatggtgg	tgcacgccta	taatcccagc	tactcgggag	105660
gctgaggcag	gaaaatcact	tgaaccgggg	aggcagaggt	tgcagtgagc	cgagattgcg	105720
ccactgccct	ccagcctggg	caacagagct	gctaaccctt	ttcttccttg	cttgccctgca	105780
ctatagagac	agcaacagct	agactcttct	tttgccagct	tcccatagag	ataggagtgc	105840
ctatatgaca	ccattttgaa	cactagaggt	tttctgagaa	gcttctgaga	aagcttttgc	105900
tttctgaaa	aaggttataa	gcatggctaa	catcaccctt	tttaccttct	tcctgccttg	105960
aatgtatgtg	attcctagag	ctatggcagc	tctcttgtga	acataaggaa	aagactaaga	106020
gaatatagtt	ataatactag	gaagatacag	ctctttccat	gtaagattat	aaattctgga	106080
ggaaatgatc	tatgaaggga	atctgcagtt	cacaagaaga	ggactacaaa	tgtctaaaga	106140
tttagagaag	ctgccttcct	ctggagtaga	agtgtttaga	agataccgga	cttgtcaata	106200
gaattcaaa	gatattgtct	cttctcaact	aaagcaaaact	atcatgaaaa	aaagctaata	106260
ttaataaaa	attgaataag	gattaaaaaat	atggtatttaa	atttaaaaatc	ccaatagaag	106320
cattgactgg	gcaattagac	actacaaaat	attgaattag	tgaattactt	taaggaaaca	106380
gaaaataagg	aaacaaatga	gagactagat	aagaaaatat	ggaaaatggc	cagatgcagt	106440
acctcatgcc	tgtaatccca	gcattttggg	aggccgatgt	gagcggatca	cctgagggtca	106500
ggagttcgaa	accagcctga	ccaacatggt	gaaaccccat	ctctactaaa	aatacaaaaa	106560
ttagctgggc	gttgtggcat	ccatctgtaa	tcccagctac	tagggagact	gaggcaggag	106620
aatcgctga	accagggagg	cagaggttgc	agtgcagcaa	gatcacgcca	ttgcactcca	106680
gcctgggcaa	caagagcgaa	aatctgtctc	aaaaaataaa	ataaaaagaa	aaaaataaaa	106740
tatggaaaa	atctaggaat	acaattgaga	gctgatagga	gtctctgaaa	gagaacaaaa	106800
taatttgggg	cagaagtcac	tatcaaagag	ctatcagagg	aaaatgtttc	tgaacaaaca	106860
aagccttggt	cagaaaactg	aatgaattgg	caatctccat	gatggcgccc	tgcttactgc	106920
tcctctctcc	atcctcacct	ctcaccactg	cccccttgca	tcgtaagcct	cagccacatc	106980
acttccccct	tgcctgggtg	ttgagtcctc	agcagctagg	acaattgtga	catctgggta	107040
ctctacacac	aaaaatgcag	aatgaagtgc	tgcttgaaat	ctgccttcca	ggttttcact	107100
aagcaacaaa	cacttgattt	gttgaattgg	gaatggaaat	ggaatgatta	tgaggtagag	107160
gaattgggtg	gatggactgc	actggccttg	ctttccttct	atctcactcc	ctctttccct	107220
cctagctttc	ttaagcttcc	tttctcttac	tctgtctttc	ctcttccatt	ttctcccttg	107280
tgtttttttt	ttttctctc	tggaaactaac	tgacatgat	gtgaaactaa	aaaatatatt	107340
ttgtagtctg	ttgtatttta	ggtttagatg	gtaagtagtt	ctttttcaaa	atataaaaga	107400
aactgagggt	tgttaggttt	ctgtgtgttt	ccctctggct	ccgaggctct	tggtagaaga	107460
acgattctcc	ctgtgatact	tgcactgtgt	attcctagaa	gataatttgg	gaaagtaatt	107520
tgagtaaaat	tgggaaagt	ggtgagggga	actatctggg	taagggttgg	gggttgcagc	107580
aaaacgggg	tccttcttgc	cagtgcagctt	tcagacatga	ctgtgatggg	aggagtttgt	107640
gaaagcaaa	gcacagatac	ccccagggca	gcgaggcagc	gccagagagc	gggtgaaatg	107700
gatgacatta	ctaaggagac	aaggggcccc	agaagccttc	tttacacagg	cactcaggaa	107760
atgcctgagt	gtttatgcca	agcactgagg	tcactactag	aagtcagcca	gccgctgctg	107820

ttctgacctg	aatatgaccc	atcccccagc	cctctgctcc	ctcagagagg	caggcaggtc	107880
ctaaggtagg	acattgtttt	ctctctcctc	taaccccgaa	agcattttcat	ctgctcctcc	107940
ctgaagatgt	gcaggccttt	ctaattctgcc	ttataattat	atgtatatgt	cccagcaccc	108000
ctactagacc	agtgagcatt	ttaaaagaaag	cttccttcat	ttgttcatgc	atgcatccat	108060
ccatccactt	attaactgct	gggtacatgc	acttaaacac	agagtccgcc	tctaggtcta	108120
gtggggagca	aacatgaaag	gaattatcat	acatgtgtta	agagctttga	gaaaggcctt	108180
ccccagccca	tctgagaact	cagtggcacc	ttctcagaaa	atgaggctgg	gcatgggtggc	108240
tcatgcttat	aatcccagca	cttttcaagg	ctgaggcggg	tagatcgctt	gagcccaaga	108300
gttcgagagc	aacctggtca	acatggtgaa	acctggtctc	tgcaaaaaat	gcaaaaattg	108360
gctagacgtg	gtggctcacg	cctgtaattc	cagcagtttg	ggaggacaag	gcgggcagat	108420
cacgtgaagt	caggagtttg	agaccagcct	ggccaacatg	gtaaaaacccc	gtctctacta	108480
aaaatacaaaa	aaattagctg	ggtgtggtgg	cgggcgcctg	taatccagct	acttgggagg	108540
ctgaggcagg	agagttgctt	aaaccgggag	acaagggttg	cagtgagccg	agattgtgcc	108600
attgcactcc	agccagagac	agagtgagac	tgtctcaaaa	aatataaagc	aaaaattagc	108660
caggcatggt	ggtgcatgcc	tctggtccca	gctaccagg	aggctgaagt	aggaggatca	108720
cctgagccca	ggaggttgag	gctgcagtga	gctgtgattg	tgccactgca	ctccagacag	108780
agtaagaccc	tgtctcaaaa	aaaaaaaaaaa	agaagggaagg	aaggagagaga	gggaggagg	108840
gaaggaggga	ggtaggaagg	aagggaaggaa	ggaagatgag	gtgttcgagc	tcagtcttga	108900
aggaaacata	agagttcatt	gaagagatgg	gggaaagtag	gtggcatttc	tgatggaata	108960
acatcatgac	cagaggcagg	gaggctagaa	agagagtagc	gtatgtttgg	agcaccatgg	109020
tctttgttat	ttttgaagca	caaatggaaa	ccagggggag	aatgacagga	ctggggagag	109080
acacacctgg	ggagcttctg	aggccctgct	ggaccctgtt	aaagagttga	catttagtcc	109140
caccatatta	gtttccact	gctgctataa	caaatccca	caagcttagt	ggcttaaaat	109200
aatacaagtt	tattatctta	aaattttgga	ggtcagaaat	ctgaaatagg	tcttatttgg	109260
ctaaacttaa	ggtgtcagga	agtctgtatt	ccctccagag	atgcaagggg	agaatctgtt	109320
tccttgtctt	tttcagcttc	tagaggccgt	ctgcattctt	gtgcttattg	tcccctcctc	109380
caccttctaa	gccagccagg	ttcaaactctg	ccagaagaga	ttcaaactctt	tctctctctc	109440
gcccctgttt	ccattgtcac	atctccttct	ccaactctgg	ctctcctccc	tccctcctat	109500
aaggattctt	gtgattacat	tgggcccact	tggataaccc	agaataatca	cccctcttga	109560
aatccttaat	tacatttgca	aagtcccttt	tgccacataa	ggtcacatat	tcacaggctc	109620
caggaattag	gatgagagag	aacatctttg	agaagccact	gttcagtctg	ccacaccccc	109680
atagcccaga	ggctcagaaa	accagaatct	gcctgtcctt	ctggagggaag	gcagaggaga	109740
ggccctgaat	tgtgaaattc	atagctggat	tccagaaacc	ctgaagggtt	gagccttaag	109800
gagtatcttc	acaaatgagg	aatgaagggc	tagagtaatc	aaggggtatc	ttggctccac	109860
ttggccaatt	tagagacagg	aagacaaaaa	gccctgggag	ggcccttacg	ccagtgtctga	109920
gctgtcctc	tgccagccct	gcagagaggc	ctcagtctgg	gagtgtctggg	ggagatgaag	109980
gaaaagctgt	actgcagcac	tgccagggtc	agtgtgagga	gaataaccct	aggagggtctg	110040
attcatccac	ccaaggccac	agatgacctt	gtgttggttg	ctccagtagc	tcccaagtag	110100
gatggtgagc	tgagagcatc	ctttcgtggg	gagggggcct	tcaagaaggg	catctgagag	110160
gggagggtacc	aggcctgacc	caacacagg	cacacagact	cctggtgcga	tgatggactc	110220
atgatgagtc	agcagaggac	ccaagaggac	ttgggtgata	atatcaattt	cagtggcatt	110280
gaaattgatg	gcaggattca	gaatcctatc	tgagatttac	aaaatttgg	ttacactcca	110340
tggtcggagc	ttaacaaatg	tttgatggat	gagtaaagaa	atcccaggat	ccctttgagg	110400
ctacctatag	acactgcagc	atcatttcta	gaatcaagg	cccagggtcc	ccagtgtcca	110460
tcactaggac	acttagttat	ggggattcct	gagaggaaaa	cagaggcctt	ccccactgtg	110520
gcttcctg	tcactcacat	tactgtcatt	cgggtgggtca	gcagtacccc	acagactcag	110580
gcagaggctc	ctgtttctat	gttcagcttc	attcctgtta	aactaaacca	gcccattgctt	110640
ctgcagagtg	ttcctcaaga	ccagtttctc	ctgaagagct	ttccctggac	tgccaccggtt	110700
aacagtctct	ctcttcatca	actgagtgag	gacacagaca	tggcacagtg	tcctgcttac	110760
agctgttggt	ctgctgctaa	gtggctgtgt	aagcttagac	acaacactcc	tgagcctttc	110820

ctagtttgtc	aaagaaactg	ggtgatgagc	tagagcatcc	tgatgtgact	agggggcttc	110880
cctcaaaggc	tctctgagcc	ttgattattg	acttggttga	gaagttcacc	caaaggaact	110940
gaattttcaa	tagcagcaag	cacattgtta	ctgaacaaat	gaaaaataat	taaatagctg	111000
catgcaacga	gaaagtgtca	tttgaaactt	atagtgttca	ggttgcttaa	ccccaggata	111060
gctcctaact	ctggcttttag	aatgtgggtg	tagaagatac	ttcagctctg	gttttctttg	111120
accagtttgg	caatgggtag	gcagatgggc	taaggctgtt	ctattttatc	tacctgtcct	111180
attcttcctt	tggaaatttg	tgtttgtttt	taggggtgtt	tgggtttttg	tttttttttt	111240
ttaagattgg	gtctcactct	gccacccagg	ctagagtaca	gtatcacaac	aatagctcac	111300
agtagcctga	aactcttgag	ctcaagtgat	cctcccactt	cagcctcctg	agtagctggg	111360
attataggag	tgagccattg	cacccagccc	tttggcattt	taaaaattat	ataaccttaa	111420
cattttgtat	aattacaaaa	ggtaaggacc	ttttgtcatt	accatctttg	agccctccag	111480
agcaaagtac	attttaagga	gagaatagct	tgcgcatgtg	tgtatctatg	atagtgtcat	111540
tccttggtgt	ttatgagaaa	gagtgagaga	gtgtgtttct	ggatgtgtaa	ttaaataaat	111600
aacatgtgtt	cttttatcta	acagctgaag	caatggaagg	catttgaaga	ggaaaaccaa	111660
acaatcagac	gcatggccaa	atatttcagc	actcccaaca	aaagcttcca	taccagtat	111720
ggtgaggagg	agaactgcc	cccgagggga	gagaaaagct	ccatggagag	gctcctcaca	111780
gaagtaagct	ctgcccctgc	ctggaagatt	ccctgtaaag	gatccaatca	tgcatcgggtg	111840
gcccccaagg	ctcttattgc	tgatgttctc	ttttcctctc	attctcccac	ttctcttaac	111900
agcaagcaaa	acctcaccat	ttccaccgtg	acacgcatct	acttcattca	ttcagtggac	111960
agatgtataa	tgagtcactc	ctatgtgcc	ggcattgtgc	cagtgaacaa	tgaacaaaag	112020
catggttcct	accctcacag	agctcacagt	ctagtgggaag	aaatagagat	tcattcatca	112080
agcaaacatg	taattataca	ttgtcataag	aattatgaaa	gaaaaatcag	agtggtaaga	112140
cagaataatg	tgtggtaagg	gcaagaaaac	ataacttaga	ccagtcagaa	aagactcatt	112200
gagctgaggg	ctgaagggtta	agtacaaaatt	agccaggcaa	agagtacagg	gaaaagtatt	112260
ccaagctgcg	ggaacagcat	tgtaaaaggcc	ctgaaatgtg	gtggacacta	gcttccctgt	112320
gatacatttt	ctctcttttt	tttttttttt	tttttttttg	agatgaggcc	tcactctgtt	112380
tcccaggctg	gagtgcactg	gtaccatctt	ggctcactga	aacctccacc	tcctagggttc	112440
aagcaattct	cctgcctcag	cctccaagt	agctgggact	acaggcacc	accaccatgc	112500
tcagctaact	tttgtatttt	tagtagagac	ggggtttcac	catgttacc	aggttagtct	112560
caaactcctg	acctcaagtg	atctacctgc	cctggcctcc	cagggtgctg	ggatcacagg	112620
tgtgagccgc	cgcgcctggc	ctcattttct	ctttttacat	agagtagtgt	cttcatgtcc	112680
aagatctcct	ggggtcctta	ctgtctttcc	caggtagtgg	ctacagatct	caatcagccc	112740
atcatcccag	aaagtccagg	catgtctaca	gatggagaag	gggactaaac	aagggttct	112800
gaatgtgatt	gtagcaccaa	gggagaatga	ggcagctccc	ccgggcttct	ttcttctgta	112860
tttgagccag	agttggcccc	tctcccagac	ttgggcagtg	tgatgcaggc	atgaagaaag	112920
cacgtggaaa	ggtttgagg	cttcgttgac	tcagggaagaa	ggcacagggc	ccaggggagt	112980
tagtcagtat	tttgacacta	actgaattac	attccatatt	ttttcagttt	agaacctatc	113040
tcaggagggtg	ttatttgga	aactgggctt	tttttttagg	actgctgcct	aggtattaat	113100
agtccctgat	gagaggatag	tgtggtgggg	acctagaaaa	cacaacagat	gaagggactc	113160
agcacaccca	ggcacccacc	gttcatgccc	ctctatgggt	ctggaccatt	tttgtccatc	113220
agagtaacac	ctctccattt	ctttactatt	aagtatttca	aagccagatt	tctttccacc	113280
tggcaaggga	gtaatatgtc	ctttgatact	ctgtgaagtc	ttcaaataag	catttttttt	113340
tcctggctac	acagaaggcc	agaaacttgg	ctagaacagc	caggatagtt	ttcattcaca	113400
gtcagctgat	gctggaacag	ccaagtggac	tgactcttta	gccttatggg	aatttgcaac	113460
gtgctgtttg	tacttctgcc	atgctaccct	gtttcccacg	cagggactca	atctgctata	113520
tccaaaaaga	tgctttgagt	ctgcagagga	agcccttcaa	tgggcacagg	tgcaacaagt	113580
gtaagaagct	ggcctcccca	gtgcacgcta	cacctggaat	ctctttccca	gaacaggcca	113640
gagaacaagc	ggccagtcct	agggcccggg	ggcaggtgtc	aggaggttcc	agcatctgca	113700
tccccagctc	cagcattgcc	cgtagagaaa	acatgagtat	ctctcctggc	tcaacatatg	113760
tacagacctt	gactctggcc	catggtgtgc	agtgccctcc	tgtgcaggcc	ccactcccc	113820

actcaggcct	tcctcttact	ttcccgtgat	ctgggcagcc	ccatcttctc	acacttttcc	113880
ctcttgccct	tatagccagg	gggtccccc	gaagctgttt	cggacagcat	ctatcacatc	113940
tatcactgac	ttccctgtct	aagagaaggc	cagcagacag	aaccttccac	aaggctgaag	114000
tgctttcctc	atacactctg	cagccaagta	aacaaacct	ttacttttgt	tacctgaacc	114060
atagaaacaa	gaggctaatt	ccatgtctcc	ttatggcctg	ccccctgtga	aacatgcagg	114120
tggatgtttt	gcttccctca	atatgccaaa	aataataatt	aataagctca	ttgaagtgc	114180
gctgccgtgg	taggtcagat	ttcagtctca	taatggcagt	gcctcacacc	acacctctaa	114240
ttagtatgca	gccatggtaa	aaacagagtc	ccacttcttt	ttctggaaga	aggaaatfff	114300
ctgttttaggt	tgatgtttct	aaatctgtca	ccagccagct	tcttcccaac	tccatgttta	114360
tagtatcttt	ctatactcaa	aggagtttat	agataaggca	caaaaagaca	gcactcagat	114420
ttcacccacg	ggagtagttg	ccatctgccg	atgggtcctt	cctaactctg	tgaggctata	114480
gaggcctcca	gaagcccaca	tgagaatgtg	cacgatgggc	ttcaggagga	gaggctggtg	114540
gaggagggag	ttgaggtccc	cccatgagat	cctcagagag	atgcctggca	cagcccagga	114600
tcacaaacac	ctgagtgttt	ccctattgct	catccattct	gcccctgaca	agtccttgag	114660
tcactctgcac	tcaccagca	acaccagac	ctcaccactc	tgccggcaga	gggaagggag	114720
ggaggacagg	cacacatgtg	ctcagctgaa	agtctcttct	accttactca	ccagtccctc	114780
actggccctg	gactctcttc	tgatggtaaa	agaagtatac	tcaaccaggg	tgaaactagc	114840
aataccaact	atcagaaaaa	tcaccttccc	aattctacaa	ggggagcagt	gcatctgctt	114900
ggagagtgtc	tagtcagaat	attggactat	tttgcttaag	ctactgctcc	cttaaaggat	114960
catttctagg	caactctccc	atgtaaacct	gagatgaaac	cacaggttca	ctctataact	115020
agtagtccta	gttagctgtt	atggacggta	taactaggca	atttgtattg	gttatcctaa	115080
cacagggaac	atccttttgt	ttctagggca	taataaatgg	aggtccaaat	gctcatgccc	115140
agctcctaaa	gatgatagta	acaaagaggt	agcatttttg	tgttcagaca	agcactttct	115200
agaacatttg	cttacattat	tgcttccca	gaaccctcga	ccccatgtca	tctgccccaa	115260
gtccagacgt	tccctgtgaa	tatctcctcc	ctgctctgcc	tttgaggatc	agaagtttcc	115320
agagatggac	acacagtctg	aactagagaa	tcagctgctg	caccacagaa	agatgtctgg	115380
gctgcagtcg	ttccctgcaa	cccactgcc	acactcctac	tcctacttca	tgccccacaa	115440
tctcgcagtt	aggacaggca	cacctctgca	gctctcacct	gccagccctc	tccggcacaa	115500
cttgtttacc	agctaacatc	cagcgagtag	gcaggctcagt	agcagaactg	ccccaggctc	115560
cttcgtctcc	tgggctccat	tctagggctg	ctgaatcaag	ctagcagggg	cttaagccca	115620
acagtccctt	catttctttg	tgcttcttca	atagttctga	tgcttgact	ccttttaggtg	115680
agtggttccc	aacatttttg	gcaccaggga	ccacttccgt	ggaagacagt	ttttccacag	115740
atagtgggtg	ggggatgggt	tcgggatgaa	actgttccac	ctcagatcat	cagacattag	115800
cttctcataa	ggagtgtgca	gcctagaccc	ctcacatgtg	cagttcaca	tagggtttgc	115860
gcttctgtga	gaatctaata	tctcagctga	tctgatggaa	gctcaggtgg	taatgcttcc	115920
tcaccaccg	ctcacctcct	gctgtgcggc	ctggttccta	acagtccatg	gactagtact	115980
ggtccgtggc	ccaggagtgt	gggacccctg	cttttaggtga	aatcaacagc	tgatattgcc	116040
acatggtagc	tttggccact	cactcccaga	ggtccagcct	agggaggtga	taacaccaac	116100
ctgagattct	ctttggcccc	tctcagctcc	aatcttattt	gattgtcaca	gaaatctcca	116160
cccttctcct	tgttcttccc	attttctagg	ctgttttagta	agaggcaaaa	tacttgttct	116220
cctacttctt	catcccctgg	agatatgctt	cacatttatc	taaatttttg	caaaagtgtg	116280
ataaactcca	agtgggacca	ttccaaacat	tattcagctc	atacctgcgg	agtggcctga	116340
ccctctcagt	tctgggaaag	gtgagagggc	gctgcagtg	ccagcaggca	ctcagactgg	116400
gcctccttgc	tcttcataag	caatgccgca	cagtgtgggg	atgtaaggag	aagaccaaga	116460
taatgacaat	aaatcatggt	tggcctttat	tgagcaccgt	ttatgtcagt	tattgtgcta	116520
gcactttaca	tgcatcaact	catttctactg	gagggaggca	cctccttaga	acctgaggtc	116580
accagccaat	acactggaag	aactgagatt	tcagccaagg	ttctttgaaa	gccacacctt	116640
ctccaccatg	gtgggcacta	tggaaacctc	ggcggcatct	tttgttgatg	gttttgcttt	116700
tattttacag	aaaaatgctg	tgattgaaag	cctgcaggaa	caagtaaaca	acgccaaga	116760
gaagattgtg	aggctgatgt	cagctgagtg	cacctatgac	ctcccagagg	gggctgcccc	116820

acctgcctct	tccccgaaca	aggacgtcca	ggcggtagcc	tcggtccaca	ccctggcagc	116880
tgctcagggg	ccttcgggtc	acctctctga	ctttcagaat	gatcctggca	tggctgcccg	116940
ggattcccag	tgacttcag	ggccctcctc	atatgcacaa	agccttgagg	ggcctgggaa	117000
ggactccagc	ttctccccag	ggaaggagga	gaagatatct	gactcaaaaag	acttttctga	117060
tcatttagac	tcaggttgta	gccagaagcc	atggactgag	caaagcctgg	gtccagaaag	117120
aggagaccaa	gtccccatga	accccagcca	gagtctccta	ccaganagag	gcggctcaga	117180
tccccagaga	cagaggcatc	tggagaactc	agaggacccc	ccagagcggc	ggtcacgggt	117240
tagttcagta	atcagggaga	aacttcagga	ggtcttaca	gatctgggcc	tgggccctga	117300
ggcttccctc	tccaccgccc	cctcttgta	tcagcaaac	tggaagaaca	gtgctgcctt	117360
cagcccccaa	aagatgcccc	tctccaagga	gctcggcttt	agcccttaca	tggtgaggag	117420
aaggcgggca	gctcagcggg	cccgtcaca	ctttcctggc	tctgcaccct	catctgtggg	117480
gcatcgggca	aacaggactg	ttcctggggc	acacagcagg	ctacatgtgc	agaatgggga	117540
cagccccagc	ctggccccac	aaactactga	ttccagagta	cgaagacctt	cttcaggaa	117600
gccttcacta	ccttcagatc	ctcaagacag	accaggtagc	ctggagggca	gcaaacaaag	117660
ccagacagag	cccagggggg	ctagagggag	caaagcagcc	tttcttcgcc	agccttctgg	117720
ttctggccgg	gccccaaatc	ctgctgcccc	atgcctctcc	aaagcctcac	ctgacttgcc	117780
tgaacagtgg	cagctgtggc	ccccagtgcc	ctcaggctgt	gcctccctgt	cttctcaaca	117840
cagctatttt	gatactgagt	ccagcagctc	agatgagttc	ttctgccgct	gccaccggcc	117900
ctactgtgaa	atctgcttcc	agagctcttc	tgactctagt	gacagtggca	catcagacac	117960
tgaccctgag	cctactgggg	ggctggcttc	ctgggaaaag	ctgtggggcc	gctccaagcc	118020
tattgtgaac	ttcaaagatg	acttgaaacc	cacgctgggtg	tgaaaagcaa	cagagctggg	118080
ctagacacag	aggtcagtc	aagagaagct	gtaccaaggc	ccacaggaga	agagccaatt	118140
tctggtcttt	ggggaacaga	ttagtgcct	gcatttgacc	agcccatacc	atgtttcagc	118200
taggctcact	gtgttacttt	gagtacttct	tgatctataa	aaagagaggc	attgcctgtc	118260
ctgttactac	ctcgcagcct	tactataaaa	gactccagtt	gagtgactat	gaaagacact	118320
gactccttgg	ataaaaagggtg	ctgaatgaac	acataggatt	ttctgtccag	gtcagcctac	118380
attctgtaaa	actcttaata	tattcagatg	gatggctgaa	tggacagaca	gatggagaga	118440
tgcatgggaa	atttctgtag	aacttgagggt	gtggactgtg	acccatcaaa	ctggcctttt	118500
gggtggacaga	cctaccagga	agataagtct	cctacatcct	tgggcctccc	actcctggaa	118560
ggcagtgggt	ttatttctgc	tgaatgttgt	gaacagcacc	tccctagatt	ccagcttctg	118620
gccagaccca	gctcagagcc	acccctacac	cactatttct	tgatgggtgtc	tttccaccat	118680
tatggcactt	taccctcctc	tctgagacag	atctccatgc	gcccgcaggc	ttcccagatc	118740
tctccccctgg	gatcggatgt	acctgagggtc	ctgactgtcc	ccactgtccc	cttgtcctgt	118800
ggctcatcct	cgattcaccc	actgatgcag	ttttgtactg	cggggaggca	cacaccagca	118860
atttctgttg	gggtatggga	gaacctgttg	gtcaagagtgt	cttttggttc	cattgggggt	118920
acatgactac	caacagacac	ataaacctgg	aagccaaatg	gagaaataaa	aaggaagaca	118980
cgagggacac	gaaaacagga	aagaaaacag	gatttgaata	tttcacttga	gtccagcata	119040
gtacttggca	atatcatatt	tttgtgattc	cttttgataa	ccctgtgaag	tagacacttt	119100
cattttttaca	gacaaggatt	atgaggctta	gagaaatgag	gtagtttccc	gcaacatcac	119160
actgctggac	agagatgtac	acacagctcc	tgggactcaa	gtaggtgggt	tttcccaggg	119220
acacatggct	tcatgtgttc	ttctgggaat	ggcagggtgac	gcttggcaga	cgagacaaca	119280
aagcaaggct	catgtaagaa	agctgggatg	tgctccccta	tagtccagaa	taatagacct	119340
gggtcctcac	ctcaggaaac	gggcctccac	ttcctcactg	ccaaaggcca	cactggcacc	119400
tccaaggga	gctggggagc	tgggtgaagga	tgagtgcgag	gaactcagcc	accaccagag	119460
ccacagggag	agcacacctg	ggtccactgt	gcttattgct	gagctggctg	tcatgtccag	119520
gctgtccccct	gccccgagtc	ctgtgtatac	atctgtgggt	gtgcacatgt	ttgcatgaag	119580
gaattcaggc	cttattaaat	attctcagag	gggggcattt	ggctctaaat	gtatcatcaa	119640
tttatcatgg	aatcttgggg	gctgtgaca	cccctggact	ctccaggcac	tgaaccatga	119700
ggccctcctg	gaagcacagc	ttcttctatc	atctactttt	aaacaggaat	ttcctaattt	119760
attctgtgca	tgggtttgca	gtttcttgtg	ctgtgtgtgt	gctgtccaag	tgggtaccata	119820

ataaaagaga	aatgactccc	gagaggagtc	ttttcagaaa	ctgtaatctg	gggctggcca	119880
ggagggggccc	ggagaaggct	gacccaccca	aagaagggga	accagagaag	ccatcagagc	119940
tgctgccggg	ctaccctggg	tcccagtgtg	ccttctacca	aagttccatt	tgaacagatt	120000
cttctgtgtt	ctccctaaga	agcctcttat	cccagaaaaca	ctccctcaat	ggacatagga	120060
aaccctggag	accctggact	cttctgccc	ctgggggtcc	tgtggctggg	ctccccctcc	120120
tgcagctccc	ttcctcccag	catgccacca	ctagcagccc	accattcatt	catgtggact	120180
ctaaatctgg	caatccttct	agccttctca	ctctgtctgc	ttctagaacc	ttagtcccac	120240
catccccgcc	cttctacatc	tccatccttc	tgtttagaat	tttttttccc	actttgtgcc	120300
cttgtgaatt	attcatcctt	caaggctcag	gtggagcata	cattctttct	tcaacctttc	120360
ccagccatcc	ccaaagaaa	ctgattgatt	ccctagttaa	ataaggaagg	atgggctgga	120420
agcagtggct	cacgtctgta	atccccagcac				120450

<210> 11
 <211> 120438
 <212> DNA
 <213> Homo sapien

<220>
 <223> E529D GPR156 isomer GAT genomic DNA

<220>
 <221> variation
 <222> (117154) .. (117154)
 <223> n is a, g, t, or c

<400>	11					
ggggaccgtg	ggcgtcctgc	acatagcagc	gggcttggcg	cttctcggcg	gtccgacgct	60
gatgagggtga	gcacagcgac	cttaaggatc	cacaaaactt	caaacactta	attattaagt	120
gaaagtggaa	aggggggagg	gctttctctc	cctttccaga	atctgggcag	tttgtttgga	180
accggtaaa	aaactctcat	aggaacttga	ggtgagcagg	ggtcacgcat	cagggatgcg	240
agtggcaatt	tcagtggaa	agacgggaga	gtactgtaat	ttggtgtgaa	gatggggccg	300
tgggttttct	gctgaataag	cgaccggctg	tgctgaaaat	gagagatccc	gaaacagttt	360
cccaccgcct	gtagactttc	cagagtctcc	tcacgccgaa	tctgctttgc	agggcatgtt	420
cacccccagg	gtgtagagt	gcgggcacga	tgggctcccc	catggagatt	gcaaagtcct	480
gaaaagggac	aattgtattg	cactgcgtct	gttgaactgc	cttgcttctg	ggcatgaggg	540
agtcacctgg	aagctgcaac	atccttgtac	cctggcaagc	agccctttcc	aagttagctc	600
tgtcagaaac	tagaggcctc	taggtagaac	tcaaggtatc	catgtactcg	tgaagaatac	660
aaaccttgag	gttttttaaaa	tcgaattttg	ttaagatttc	aggatagaaa	tctgggaaga	720
gaagtcattg	catggcataa	cttacccttc	tgttagtttt	ctaggtacat	gcatgcttga	780
attagaggta	aatgatgccc	tagcctatca	taaaatgtct	ttcctggtgt	agttctttta	840
accagaatat	ggaggataac	attacatttt	tgcatcctag	ataaaaaggga	aagattttca	900
gatggggctt	acacagcggg	agaaattgtt	gatatagttg	tattaggcag	caaggcctgc	960
aaagaaaaac	ttctttttct	ccaccagtgg	ctgaattctg	cacagaatgt	ctcctcgcag	1020
tctgggtagc	agcccggttc	gcaaaaacag	tgcttctttc	attgctgcag	gtggggcaaa	1080
tgcgcttgcg	gataaatggc	tggggaagcg	tttgcttaca	ggttaaggca	atttgagtct	1140
ggagaataaaa	gtgcttttagc	aggctgtgct	tgagttaggt	gtcccttggtg	aggaatagag	1200
gtggcttttct	ggtccccatt	ttgccagcct	aattccccct	cagggacact	actgtctctg	1260
gaatgttccc	tctgtttccc	cttctcttcc	acccccagct	tttagcttct	ccccattccc	1320
cagtaaagtc	tagaattgag	cctggtcaga	gtcaaagttc	tgatagccta	gggatataga	1380
acttcaagcc	tgggtgaaggc	agaaatgaga	cctaggagag	acccaagatg	ggtgagatga	1440

aacaactttc	agcctagaag	gctctcaaaa	gagtggaaaa	ataatgattg	agggaaacag	1500
attctctgga	aaggagaata	ggtgcttaag	tgtttgtttt	cagctgaggg	ttttaatat	1560
tccatttttg	ttgtttaacc	ataagggaa	ttccattata	gggtaggagg	aggatgaggc	1620
cttctctgaa	aactgcatcc	ttctccttga	atgttgcat	tattccattc	ttatgtaggt	1680
ttcagagatt	aattggggga	agggggagag	aggaaagaag	ccagaggctc	tgacatgctg	1740
cagaaacagt	gcaacgtgga	ctgacttggg	ctgcaaaggt	ggatttgggg	gttgaaagaa	1800
atgttctaca	tttagttgaa	aaaaaaaaat	cagagccttt	attttgcaaa	ggtcttgaga	1860
atcagaacat	tcatgtttag	ttgctgatga	attttgcctg	ataaaggatg	caaatcacta	1920
tctcaccttt	ttttctccag	tactttatta	tgaaaaaatt	tagacataca	gagatgtttt	1980
ctacctctca	ttttataaac	ttattatctt	aaaacaaact	tgtaataaaa	aatcagtgtt	2040
tagaatccag	acatatgtga	tctggtcctg	gacagagctt	gaatcagaag	gtgtttcaaa	2100
tatagatgtg	tgaaggatat	taacatttta	agaaaaaat	atggatctta	ttcttctgac	2160
tttcccataa	gaatcttgag	cagaccctt	aactgccttc	tttttcccat	tcttaaaatg	2220
tcagtcagtt	ggatgatatt	actctcctgc	ttaacaccct	ccaatggctt	cccctcacac	2280
tgtgaataac	attcaactct	ccaccagggc	ttgtgatttg	gtctggtgcc	ctcatattct	2340
atggccgtcc	tcttgcttac	catcgtcctt	gctcttcctt	ctgcctgaac	actcttcctt	2400
cagacactgc	cactgcttct	tttctcagct	cattccagtt	tcttttcata	ctctccagaa	2460
tgatggccac	ctgatctaaa	acagcctgtg	gtcactccct	gtcttctgac	cctgctttat	2520
ccttcttcat	ggcacttagc	actccctgac	actatatagt	atatgtgttt	ccttgttaat	2580
tgggcatgtt	ccccactcta	atgtaaactc	catcaagaca	aggaattttt	ttgtcttatt	2640
tatggctgtg	ttcctatttg	gtatattatg	agcaattaat	aaataactgt	tggattaatt	2700
aggtactaa	attacacaaa	taaggcattg	actcccataa	gggtggcaga	acccttggta	2760
aaatactaga	agtcctttga	ggtaattcat	aattcaagtt	aatcaatatt	tgataggtaa	2820
atgatgacc	tggagatcag	tggcctcttt	tatcctcaca	gcacttctca	gctgaatcct	2880
atgctaata	ctggccagtt	ttgacaaa	cacatcccaa	acaagacata	aaatatttca	2940
gtcacagaac	ttttcctcac	gtctctttct	agtcacctcc	acccacacaga	agcagcaaac	3000
cttgttctga	tttctaatat	catagattag	tgttgctggg	tcctgaattt	catataactg	3060
cagttacaca	gtatgcactc	ttgtgtttgg	cttctttttg	ccctacacaa	tgtctgtgat	3120
attcatctgt	gccattgtgt	gtatcagtag	ttcatttctt	ttttttccaa	ggtagtattt	3180
attgtatgaa	tattgaccat	gtgtttatct	gttctcttgt	tgatagatac	ttggttgttg	3240
ccagtttgtg	gcaattttga	acaaaagctg	tgtgaacctt	taaagggtct	gcctcatctt	3300
gagtcttctc	tactttatat	gaaaatcttc	cttgtgccac	caatgcagag	agaagtatgg	3360
caagggttat	ggggctgtga	ctgatgtagc	agcttgcatt	tacccagacc	agtgctctct	3420
ctagacagct	ctgctggggg	ctgacctgct	tcccacttta	gagggaaagc	acttggaaaa	3480
tgagtgtcta	acaaatttag	gagccctcca	gtgcactctt	aagtgcctta	aatccttgaa	3540
agagacactg	tggaatgcct	gctgccatca	ctgttgattt	tccctcctcc	tctcagcttc	3600
cccatccag	cacaagttga	ctctaatac	cttctgagca	ttatgctact	gaggggttta	3660
aacattcatg	agcaagagtc	ttgttcagag	cctgataaaa	tattcatgtg	tttccatggg	3720
gcattggttt	ccatctagac	ttctcaaggc	atttttctga	gatgcatgtc	gtaattgtga	3780
agaactcaga	cagtgatgga	tgatacggcc	ctgtgttatt	aaaccctacc	acacagagca	3840
ccttgctttc	tagggatgga	gaagaatgag	cacacagaaa	aattgacatt	aatcctgtct	3900
agatcaagag	aaaggctaca	tgtactgata	aaaatggctt	gagtaaagag	gggcctgtta	3960
atatagtacc	aacaaaggta	tgaatccata	gaggagagtg	aaaagaactt	gttaaaatga	4020
gaggaatgct	gggatgcagt	cattccaagt	ggaagaatgg	gggaatcagc	attgtaaaat	4080
gcacagttcc	tttgacactc	atgtggacga	ggttcatatg	agacaactgt	gctgagtgtc	4140
gtaattatca	caacctgcta	tgagaggatg	agagtagaag	tggaggctag	gcagggtttc	4200
caagtagagc	cagagagcta	ttccaagagg	agtcaacatt	tctcttcaag	gaagaagtgg	4260
ctttgagtca	ggttctgaag	gaggtgtgcc	tctttgactg	gcagctgcgg	tgtggaaggg	4320
actttccaga	gagacagaat	agcatgatag	agtgagggcc	aaagtgccgg	tgtggtgtga	4380
gtaaggagag	aaggtgggtg	gatgggggtc	agggcagggg	tgcagcaaga	cataaagcag	4440

gagagctaaa	ggccagctta	tgaaggccac	aggaggatgg	acttcagtct	gtttgctgga	4500
gggccgtgta	acttttggcc	agagattggg	ttacattttg	aggagtctt	gggaagtata	4560
tccaccctag	gcaaggcctt	gaggatatgt	tatgtccaag	gcatttccag	aatattctgc	4620
tgtgtccaga	acactatgaa	gactctacgt	ggtctactct	aagagaggta	aaccagagga	4680
ggtcagatat	actcagtata	ctcctgggac	tgaccagaaa	caggcctcac	caggcacctc	4740
tctgccccca	gcacacaaac	actcagaata	ttctgagtca	gattgaatcc	acagcattcc	4800
ctagactttc	tcatgaccac	tttgccctcag	ctggggggagt	tgcaatgatc	taagtatccc	4860
cttatcacct	gaatctgggc	caggatacct	cagacatggg	ttgccaggca	actgagggct	4920
aagtgatgca	gctggccaat	catccccaca	aagcccaggt	ctgctttgac	caggccatcg	4980
ggctgtgacc	agagaggcaa	cttggggggg	tgaggatcat	cagactgatg	acttgtggac	5040
acaactgcca	ggcccccttc	atatgtcttc	ttccttttgg	ttgcagattt	ctattcaaaa	5100
atgcctcagg	atgtttgattt	tttaacccat	aataaaaaata	gtgaagtagg	gaggagtgtt	5160
aaacatgtca	gtcatctata	ccttatgttg	tcattgggaa	gaaataactg	tggaaacaat	5220
tgtcccgga	aagtcagtct	tcagtcttgc	agtgaggagc	tttgcatatg	tggagattag	5280
ctagaaaagc	ctggagtctt	gatggtgaga	agggatttct	tgggtcaagg	ataggaaagg	5340
gcaagggagg	accttcatga	ttctccccag	ggctttgctg	gttggaattg	ctcttctgct	5400
gccatgggta	gcatgggggt	tcagtgactg	aaaacaccca	ggaaagtatg	ctctgggtct	5460
tcatgttgcc	atctgcctac	actggaatgt	cagaccatca	gtcagcactg	ccagctctcc	5520
atcttgattt	tctaagagtt	attgagaaaa	ccttgaaagg	gaaggcagaa	gtgggtgtct	5580
taactagggga	aatgccaagg	tcctaaagg	gtggcttagg	ttgaagggtg	ggtaagggcc	5640
tgaagtcatt	ggtctggcag	tacttcagac	caataaagtc	tttcttggct	cttatctaaa	5700
atattcctga	ttttctgtgt	gagggtggaat	ctctcaagtg	ctgcattaat	cagtcttttg	5760
gctgaacagg	taaaatagggt	gcatgcttaa	ttgagtgcct	tttctttttt	taaagtttca	5820
gcttttattt	tacattaaga	ggatacatgt	gtaggattgt	tcatgggtaa	attggaccca	5880
ggcataagca	cagtacccaa	taggtagttt	ttcaacccat	gccccctccc	tcccttcccc	5940
ctgtagtagt	ctgcagtatc	tatcttttct	gcgtttatgt	ccatgtgtgc	tcagtgttta	6000
gctcccaact	ataagtgaga	acatgtggta	ttttgttttc	tgttcctgca	ttaattcact	6060
taggataggc	ctccaactgc	atccacgttg	ctgcaaagga	catgatttca	ttatttttta	6120
tcctatgggt	tttatgtagc	acattttctt	catccagtac	actgttgatg	agtgcctagg	6180
ttgattccac	atctttgcta	ttgtgaatag	tgctgtgatg	cacatatgca	agcatgtgta	6240
tttatgggtg	aatgatttat	atttctttga	atatataccc	agtaatggga	ttgctgggtc	6300
aaaggtagct	ctgtatttta	gttttttgag	aaatctccaa	actgctttcc	acagtgggtg	6360
tactaattta	cattcccacc	aacaatgtat	aaatgtttcc	ttttcttcac	agccttgcca	6420
gcatctgttg	ttttttgact	ttttaataat	agctatttct	actgggtgta	gatggatatct	6480
tattgtgggt	ttatttgcat	ttctctgatg	attagtgatg	ctgagcatgt	tttcatgtct	6540
attggccaca	cttgatgcc	ttcttttaag	aagtgtcttt	tcatgtcttc	tgcccacttt	6600
ttaatggagt	tatttgattt	ttgcctgttg	atttaagttt	cttatatatt	ctggatatta	6660
gacctttgtc	agatgcatag	tttgtgaata	ttttctccca	tgctgtaggt	tgtttactct	6720
tttgatgggt	tctcttgctg	tgcagaagat	ctttagttta	attaggtccc	acttgtcaat	6780
ttttgttttt	gttgcagttc	tttctgggga	cttgcccata	aattctttgc	caaggccaat	6840
gttgataagg	gtatttccta	ggttttcttc	tatgattttt	atagtttgag	gtcttatgtt	6900
aaatctttta	tccattttta	gttagttttt	gtatatgggtg	aaaggtaagg	gtctagtttc	6960
attcttctgc	atatggctac	cagttatccc	agcaccattt	attgaatagg	gagtcctttc	7020
tccattgctt	gtttttgtc	agccatgttg	aagatcagat	ggttgtaagc	gtgcagcctt	7080
atttctgaat	tttctattat	gttccattag	tctatgtgtc	tctttttgta	ccagtaccac	7140
cctgttttgg	ctactctagc	aaattctttg	gaattaagga	aaatagggac	acaatttatg	7200
aagacctctg	ggatgtagcc	aaagcaatgt	taagaggaaa	gtttatagcc	gtaaatgcct	7260
tcatcaagaa	gctggaaaga	tctcacatta	acaatgtaac	tttgcattta	aaggaactat	7320
gaaaaaagga	caaaccaacc	ccaactctag	cagaagaaaa	gaaataacta	aaattaaaga	7380
aaaacttaat	gaaattgaga	tgcaacaatc	catatgaaag	atcagtgaaa	ccaagaatag	7440

gctattttgaa	aaaataaata	agattgatag	actgctagct	aggttaacaa	agcgggagga	7500
gacagtgaga	gagagagaga	ggatccaaat	aagtacaata	gaaataacaa	agatgacatt	7560
acaactgatc	ctatagaaat	acaaaagatc	cttggagaaa	actatgaaca	gctctatgca	7620
cacaaattag	aaaatctaga	agaaatcaat	caattcctgg	aaacaatctc	ttgagattga	7680
atcggagaga	ttgaagtcct	gaatagacca	acatcaaact	ctgaaattgc	atcagtaaaa	7740
caaacaaaca	aacaaaaaaa	acccttccaa	ccataaaaag	ccctggacca	gatagattca	7800
cagccacatt	ctatgagaca	tgcaaagaag	aactagtacc	aatcctacta	aaacttacag	7860
aaaatagagg	agcagggact	cctccccaat	tcatcccatg	aagccagcat	cagcctaata	7920
cccaaactctg	gcagagatat	gatgaagaga	tatgattttt	gtgtctatgt	tcagaccaat	7980
atccctgatg	aacatagaca	caaaaatcct	caacaaaata	ctagcaaacc	aaatttagca	8040
gaacatcaaa	aagttaattc	accatgatca	agcaggcatt	attcctggga	tgcatggttg	8100
gttcaacata	cacaaatcat	agtgagtcac	catgtaaaca	gaattaaaag	caaaaaccgt	8160
tatgatcatc	tgtgtcatct	caatagacac	agaaaaagct	tttgataaaa	tctaacatct	8220
cttcatgata	aaaactctca	acaaactagg	catcgaagga	acatacctca	aaataataag	8280
ggccatccct	gataaaccta	cagctaacat	catactgaat	gggcaaaagc	tggaaccatt	8340
ccccttgaga	actggaacaa	ggcaagaatg	cccactctca	ccactgctat	tcaaggtagt	8400
gctagaagtc	ccagccagca	cagtctggca	atagaaaagaa	ataaaaaggca	tccaaataag	8460
aaaagaagaa	gatgaactat	ctccctttgc	tgacgatata	attctatact	tagaacaccc	8520
caaagactgt	tccaaaaggt	tactagaatt	gaaaaatgat	tttagcaagg	tttcaggata	8580
caaaatcaat	gtacgaaaat	cagtagcatt	tctaaacacc	aataacgtcc	aggctgagag	8640
tcaaatcaag	aacatgatcc	catttacgac	agctgcaaag	aaaaggaaat	acctaggaat	8700
atagcaaacc	aaaaaggtga	aagagctctg	caaggagaac	tacaatacac	tgctgaaaaa	8760
aagttagaaa	caacacaaat	aaatgaaaaa	atatcccatg	ctcatggatt	agaaggatca	8820
atatcattaa	aatggtcata	ctgccccaaag	caatgtatac	attcaatgct	attcctatca	8880
aactactaac	atcagtcttt	acagaattag	aaaaaactat	tctaaaactc	atatggaacc	8940
caaaaagagc	ctgaatagcc	aaagcaagcc	tgagcaaaaa	aaaaaaaaaca	aagccggagc	9000
atcacactac	ctgagtgcct	tttctgaaca	gatatttcaa	tgattctgtg	attattcatg	9060
agccagtgat	ggctgcctgc	ttttggatgc	tgctaggata	aatgcagaag	atcagagtga	9120
agagggagag	ggaagcataa	cagcagcaga	gaggaaaagg	gaagagagta	gtgacgtgct	9180
gaaatcgag	agattgtggg	taccagtta	tctacaagtg	agaaacaggg	ataaaagaag	9240
atcaaataac	taccatggg	aattttacat	gcaaataattg	ctgacttcca	aggcagctgt	9300
gaggagaaaag	gaagggagga	gacacaaaagg	cagctgtcac	agtcaatccg	aggaatatta	9360
ataaaaaactt	gacacatgaa	aacacatggc	cgtatcacaa	cagcctgggt	cccagcaagg	9420
atgtctattc	aaacccctct	ttcacatttc	cttatattca	ttcacagtat	taggtatttt	9480
gcaagacatt	catttgcact	tgcaaagata	cacaaatgca	gagtacttaa	aagggtaaac	9540
tatcctaaaa	tattagtgg	gagattataa	atgattattt	gtattttttc	aacttatcta	9600
tgttttccat	gattgtttta	agaagtgtga	atttctttga	taatcagaaa	aacattaagg	9660
agaaaggggg	ttaagtaggg	aggtagagaa	agaggcatgg	ggtggggaga	gaggattgta	9720
gaaaagaaaa	atatgttgga	agatgaatga	acaattttta	aacttttatgt	ttcacagact	9780
gctagcttgt	gcatattttt	ctttattatt	gaatatatat	gtttatcacc	ctcagaagat	9840
ctggaagtac	caattggcat	gaaactgaat	tgcaaatact	gagctaagta	tcacacctcc	9900
aagaccattg	ccttggccag	tgccattctg	tgtgtgacat	gtggcttcca	gtgatgctca	9960
aagtattttc	cgccaaaggc	taatagagaa	cacttcaaac	ctgggcagca	gcatctctcc	10020
cacagggttt	aatatttata	cttgtagcca	cgtggctggc	tttgtgcttc	tcatctctga	10080
agtatggaac	aggagccaac	aaaggctgtc	aatagttgga	gtagtgggat	tttccaagac	10140
aaaagcgtga	gttattctcg	tccacgtgtt	tgctggctgc	tactggctc	aggcagcccc	10200
ttggcaagct	ctgtggctga	ggctttaaat	aaatagatgt	agtttttggt	tcacaaccac	10260
tgaccttttc	tggaggcact	gttgattctg	ggcttttaatt	ggcttctggt	gagtgcacac	10320
aggtgaaccc	tctcttcaag	agcagaagct	cctatctgct	gttaaccacc	agcatcaatt	10380
caaagcaaat	gccagaggac	cacatacctc	actgaactct	ggggactggg	gttacttgta	10440

gttatgtctc	aataaatact	ttttatat	taacttttgc	atttttaagt	tgtaaaagct	10500
atacacactc	atggtaacaa	gtctagtaag	acagcagtat	ataaagaaaa	tatggccagg	10560
cgcagtggct	caccccatag	ttccaatact	ttgggaggcc	gagatgggtg	gatcacttga	10620
ggtcaggagt	tcaagaccag	cctggccaac	atggtgaaac	cccatctcta	ctaaaaatta	10680
ggctgggtgc	ggtggctcac	tcctgtaatc	ccatcacttt	gggaggctga	ggcgggtgga	10740
tcacaaggctc	aggagttcaa	gaccagcctg	gccaagatgg	tgaaaccctg	cctctactaa	10800
aaatacaaaa	attagctgag	cgcagtggca	ggcacctgta	atcccagcta	cttgggaggc	10860
tgaggccgga	gaatcacttg	aacccggggg	gcagagggtt	cagtgagccg	agatcctgcc	10920
actgcactcc	agcctgggcg	acagcatgag	actccgtctc	aaaaaaaaaa	aaaaaaaaaa	10980
attggccagg	taaggtggct	catgcctgta	atcctggcac	tttgggaggc	cgaggtgggt	11040
ggatcacctg	aggtcaggag	ttcgagacca	gcctgaccaa	caaggtgaaa	tcccattctt	11100
acaaaaaata	caaaaattag	ctggacgtgg	tggcaggcgc	ctgtagtccc	agctactcgg	11160
gaggctgaga	caggagaatt	gcttgaacca	gggaggcaga	ggttgtagtg	agccgagatc	11220
gcaccactgc	actacaacct	gagcgatgga	gcgagactct	gtctcaaaaa	aaaaaattag	11280
tcaagtgtgg	tggcgtgtgc	ctgtaatccc	agttacttga	gaggggtgagg	cgggagaata	11340
gctcgaaata	gcttgaaccc	aggaggcaga	ggttgtagtg	agccaagatt	gtgccactgc	11400
actccagctt	gggctaccga	gggagactcc	atctcaaaaga	aaaaaaaaaa	gaaagaaaat	11460
ataagtaatc	tccaccttct	ctcactccca	tctttctgac	aaaaccacta	tttaaaagcg	11520
ccaggctggg	cgtgcgggct	gacatctgta	atctgagcac	tttaggaggc	agaggcagga	11580
ggatagcttg	ggtccaggag	ttcaaaacag	cctggacaac	atagtgaac	tccgtctcta	11640
tgaaaaaaaa	aaaaaaatag	ccaagtgggt	ggtatgtcat	cctagctact	tgagaggatg	11700
aagtgggagg	atcgcttgaa	cccaggagggt	tgaggctgca	gtgagctgtg	atcatgacat	11760
tgactccag	cttgagtaac	agagtgaagc	cctgtctcaa	aaaaaaagtt	tcatgtgtat	11820
tcacatgtca	cgatcacagc	tactgcagc	ctcaacatct	ccagctcaag	ggatccttcc	11880
acctcagcct	gccaaaataac	tgggaccaca	ggcacatgcc	accacacccg	tctaattttt	11940
aaacatTTTT	gtagaaacga	ggtctcactg	tgttgccccag	gctgatcttg	aattcctcgg	12000
ctcaagtgat	cctcccacct	cagcctccca	aagtgtctggg	attataggca	tgagccactg	12060
cactcagccc	cttactctct	tttctatgtt	caaacaaaca	tatgagtgtg	tagacttatt	12120
ttctattgta	tgtgaaaatg	gaatcatata	tgttattatt	tctttcattt	tatttagtac	12180
atattatgta	cattatttcta	gattaacaca	tataattgat	ccaatttatt	atttttaata	12240
gctacctaata	attccattat	aggaggttcc	ataatttctt	cccattcatt	acttccccat	12300
tgatagatat	tcatgttttt	cttccaactt	tttttgcaca	acaacttatg	ctacaataaa	12360
cattctacat	ttatttcctat	actttgggtt	ttattttccat	aggagagatt	cccaaaattg	12420
tcatttttgg	gtcaaaggga	atacacaatt	ttaatttctca	ctgtaggtct	cctttacagc	12480
agttgtttct	ctcctccttt	tgtctttctc	tcccctctcc	caccacattt	tgccagcagg	12540
gcctgtgtgt	ttaagaaggga	aagcctgcag	tgagaactcc	tctgtgcca	gtgtggatta	12600
tatcagctta	gtggggaact	ggagtctgca	gtgtctcagt	tacatttgtg	ctctcttgct	12660
tttggttggc	cagactgttc	acaattcccc	ttgtgtattt	attccatgct	gtggaattat	12720
acatggctct	catccgtggc	aggatcatct	gaggggtggc	tttttgggaa	gggtgtcttt	12780
tcagaaaagaa	taggctcagt	tactgtactt	tctcacaaag	ctatatctgt	tatgtttttt	12840
tgttatgccc	tttctttaat	agttggattg	aaaaagggtt	ttcaattccc	atcccgggtct	12900
tctgtcttca	ttttgaggac	ttgggattta	gggagtttta	tgagtatata	atcaatcaac	12960
tgttaactgat	tatttgacat	gaggataatt	agttaagaag	gtaggggtct	tggagcttaa	13020
ggatcagtgc	caagcaacag	acgtgaacat	ttttaaaaca	atggttttta	caaaccgggt	13080
attaggagca	agcttcccag	gagtactaag	ctttcatttt	ttaatTTTgc	ccttgctggg	13140
atgtaaaaact	tcagtctagt	ctaccagaat	agagaggagc	tggattctcc	accacaccag	13200
ggctggagag	gagaaaaatgt	cagagaagcg	ttaagggaag	ctggtaagta	caaataagtg	13260
aaataaatat	aaacagtga	ctgacaaaat	ggcaaaaagt	gaatgaaatt	tgaaaatcct	13320
cagctgaaga	ttattgtgta	accagtgggtc	ctgtgagcta	gtggacactt	tataaaaatc	13380
tgtgatctct	aaaacatatt	agatacccca	gtgtgaatct	gtgttcagaa	tacaaccatt	13440

agctaagcaa	gacagagaaa	tgataagtcc	tgttggcaga	tattttgcta	ttgacttcta	13500
taacatatgc	tgcaatTTTT	actcagcagc	tttggaatgg	atttctatgt	cctagggttg	13560
aaactaaact	aaaaagaaaa	cagaatagaa	gttactgcac	ttaatttcta	aggagaaaaat	13620
tttaacttta	gtttgtgcat	gtatatgcct	gcaaaaataag	cattaccctt	tatgttaata	13680
caaacttcac	atgaatgttt	aatTTTcaaa	tatgcactga	ccagtaataa	tgatggcaaa	13740
attagactct	atagtaggtt	tatgttttat	aacttaggga	ttctataatg	tatcttagtt	13800
gatgtcgtag	ttaatagtaa	ggatagtaat	atcttataca	gtttgcactg	tcgtctgagt	13860
aaagattatc	tttaaacatt	tgttcctgtc	agaaaaatTT	taaggctaaa	cctattataa	13920
gatattaagc	atctgatTTT	ggctataatg	gactatctgt	gagtagattt	ttactcctat	13980
acaggacatc	tagaaaaagct	gagttttaaa	aatctatTTg	aaggcataga	agacctaata	14040
aggcagctag	gacttgagag	ctaagacctc	agaaagaaga	gaaactcatt	gagtgttcca	14100
aattctaggc	tactTTTTcc	ctgtagacac	ttaccatttt	taagtagcac	atgaggagaa	14160
cccaaacaat	aagcagctgc	taaaatcaga	gaagccaggc	agattattcc	acagtctgat	14220
agggctgggg	aggaaaaaaa	aaaattgaat	tcaaggaaac	caaagattc	aggacatgag	14280
aaaccatgat	catggacaga	aaagaggccc	agaaaaatca	actcaatagt	ctaagcaatt	14340
ttccttccaa	gtcattcact	gatttataag	tagcgcagac	caagaggTTg	caaaaatcca	14400
aacacaaaaga	aggtgctaaa	aagctgagaa	gctaatacaga	gctacttgca	atcttattac	14460
actaggaaga	taaaaattat	tatagaatgt	aaagcccacc	aatgtggtat	ggcctgaaaa	14520
acaccctaag	ctttcagttg	ggactgctga	cggattatgc	ctgaccagtt	aaaggaaacc	14580
agaaatagac	ccggtcaaat	aaaatattga	agtccatttc	ccgatcaact	tagtcactga	14640
ttagattaaa	gtaatctgtt	cttatttttaa	caccctagca	taagtcttct	ccatattctt	14700
tggaagaaga	aaaatgatcc	agaacctgtg	tatttttcat	atgtggtttc	tggtattcag	14760
caaagcaaaa	caaaaacaaa	acaggcatac	caagatatag	tttccagaat	atggtacaga	14820
gagaacccag	acttcctgag	ttgagaagac	agagctcccc	atgtctgggg	agaccagggc	14880
aactagagtt	tgtaggacag	agtattggag	aggagagagc	tgcagagaga	accccgaggt	14940
tcctcacagg	gtacacctca	agtataaaagc	tgagtactga	gcagcacatg	catgtaagga	15000
aactacctgg	gataaagaaa	gaactaccca	aaaggattag	aagaaatagt	gctcattgtt	15060
cacacagggc	tgggaattgt	gcctattccc	accagctaga	cttgaaaagc	tcataattca	15120
tggaagggtt	ggtagtatac	tttgaaagac	catgccttag	tagtgggaag	tagccctaga	15180
ttgagcactg	cactgatcct	gtctaacaaa	tcttttaaaa	agacccaaaa	ggaacaaatt	15240
gttccagtta	atTTgactgc	atcccagaac	aaagctcaaa	actatttaga	ggtatttgga	15300
atagcagtat	tagtaatatt	gcagagggaa	gaatattgcc	agggataaag	aaaatcattt	15360
cataatgata	aaggagttga	ttcatcagaa	agacataaca	gtactaaaca	tttatgcatc	15420
taataacaga	acttcaaaat	acataaatga	gaaattgata	gtgttccaag	gaggaataga	15480
caaataccata	actgtagtcc	aaagtttcat	taaccttctc	tcagtaattg	atgaaataac	15540
agaaaataat	taggtatata	aaagaagata	aaaatacaat	caactagctt	gacctcattg	15600
atctttataa	gatactctac	ccagctacag	caaatacata	ttcctctcaa	gtgtacatgg	15660
aacatttatc	cagttagacc	atattctgaa	ccataaaaca	agtctcaata	aatttaaaag	15720
gatttttagtt	atataagggtg	tgTtcttgat	cacaatggaa	ttaattaaga	aatcagtaac	15780
aaaatttcta	aatatttggt	aactaaataa	catccttcag	aataactcat	tagtcaaagg	15840
agaaatcaaa	aggaaaatta	gggccgagtg	gagtgactca	catttgtatt	cctaacactt	15900
tgggaagtgt	aggcaggagg	attgcttgag	gccaggagtt	gaagatcagc	ctgggcaaca	15960
gagtgagagc	ctgtctttaa	aaaaaataga	aaaaaaaaaat	tagctgggca	tgggtggtgtg	16020
cactcataat	cccagctact	tagctggagg	attgcttttag	cctaagagtt	tgaggttgca	16080
gtgagctatg	atcatgccac	tgcatccag	cctgggcagc	agagtgagac	cctgtctcta	16140
aaaaaattat	ttttaataaa	aaataaagg	aaatgagaaa	atatttgggg	ctgaaagtaa	16200
aagctcatat	atcaaaaagca	gtacttaggt	ggaattttat	agtattataa	gcttataagg	16260
tggggcacag	tggctcacgc	tggtaatgcc	aacactgtag	gaagtcgaga	caggcggatt	16320
gcttgaaatc	aggagttcgg	gaccagcttt	gacaacatgg	caaaaccctg	tttctataaa	16380
aaatacagaa	aattagctgg	gtatggtggc	acgtgcctgt	agtcccagct	acttgatggg	16440

ggctgaagca	ggaggatcac	ttgagcccag	gatttcgagg	ctgcagtgag	ccgagatcac	16500
accactgcac	tccactccag	cctgggtaac	aaagtgagac	cctgtccccc	cacacccccg	16560
caaaaaaaaaag	cttataagaa	gaaagggtctc	agattagtg	cctcagcttt	catcttaaga	16620
aacccaaaaca	gaaaaagagc	aaatgaaatt	caaaaataagc	agaagaaaga	aaataagaaa	16680
tatcaaagca	gaaatcaata	aactagattt	tgaaaagtag	agaaaatcaa	tgaaagcaaa	16740
tgctgtttca	ttgagaatat	taataaaaatt	gattaacctc	ttgacagaaa	acaggaggag	16800
gaaaaagaga	ggagttacaa	tttaccaata	tcggaatgag	agaggtgaca	tcactacaaa	16860
ttctacagat	actaatggat	aataaggaaa	cattatagct	tttctccaat	aattccatca	16920
acttattaat	agatgaaatg	aacaaattcc	ttgaaagaca	caagctacca	aagttcactg	16980
aagaggtagt	agagaatgta	aaagcccaga	tctattatag	acagtctcga	aagttagaaa	17040
tagaagagaa	cttccttagc	ctgataaagg	gaatctatgc	aaaacgtgca	cctaacatca	17100
tatttagtg	ttaaagcaa	agtaatat	tcgatttttt	ttcttttttg	agacagagtc	17160
ttgctctttc	acccaggctg	gagtgagg	gcgcgatctt	ggcccactgc	aacctccacc	17220
tcccgggtcc	aggcgatctt	cctgcctcag	cctcctcagt	agctgggatt	acaggcacat	17280
gccaccacac	cctgctaatt	tttgtatttt	tagtagagac	agggtttcac	catgttggtc	17340
aggctggtct	tgaactcctg	acctcgtgat	ccaccacct	tggcctcca	aagtgtggg	17400
attacaggcg	taagccactg	cgcccagctt	ttttttttt	ttttttttt	tttgagatgg	17460
agtcttgctc	tgtcgcccaa	gctagagtgc	tgtggcgtga	tcttggctca	ctgcaacctc	17520
caactcctgg	ttcaagtaat	tctcctgcct	cagcctcctg	agtagctggg	attacaggtg	17580
cccaccacca	tgcccagcta	atTTTTTTT	tttttagtaga	gaatgggttt	caccatgttg	17640
gaccaggctg	gtctcgaact	cctggcctca	ggtgatccgc	ccaccttggg	atcaccaagt	17700
gttgggatta	caggcgtgag	ccactgtgcc	tggcctgcct	agacttttaa	cttatttgtg	17760
taattacttc	aagtatagat	tactccaatt	taaacacaaa	gattgtgaaa	ctagatgaag	17820
aataaacata	ttcaaaaatga	ttattaaatg	ttttaattgg	tgacagagtt	tttcatagcc	17880
ttttatcatc	tcagtgcac	atgtttttat	tgtaggtagc	cacagagaaa	cagctacatt	17940
tataagaaca	ccatgaagaa	taattaaaa	gttctttttt	tttttttgag	acagagtctt	18000
gctttgtcac	ccaggctaga	gtgcagtggc	aagatcttgg	ctcactgcaa	cctctacctc	18060
ctgggttcaa	gtgattctcc	tgccctcagcc	tccctagtag	ctgagattgc	agggtgtggac	18120
cactacacct	ggctaatttt	ttgtattttt	agtagagatg	gggtttcacc	atgttggcca	18180
ggcttgtctt	gaactcctga	cctcaggtcg	atccacctgc	cttggcctcc	caaagtgttg	18240
ggattacagg	tgtgagtgc	cacacctggc	ctaaaacatt	cttttatccc	tgacttcagc	18300
tgagtttagt	ttgaaatgag	gctctttatt	tgggggtgatt	gggctttgca	ggagggttgg	18360
tgggtggcct	ataattcccc	ccaatattgt	atgtaagata	ttacatgttt	gtatacagtt	18420
tttcaggaga	gagtccgtag	ctttcatcag	tctctcatga	ccaaaaacta	tttaagaatc	18480
atggcttgaa	gaatgaaaga	atcgagtgcc	atgttaagtg	tctaatttct	caataatact	18540
tccctgaaac	taatttctag	agaataattc	aaatgacttg	atctaaatat	gtgtgcatga	18600
gtcatcaaa	cagcctggag	taacatatta	aaagttatcc	caagggtctg	tctggttcaa	18660
actctgatga	aagccctata	tttcttatcc	tggactgggt	ttctcatagt	atgattccca	18720
gatcagcagc	agcatcagca	tcacctagga	acttgttaga	aatacaaaatt	ctcaggccgg	18780
ccccaggcca	tacctactga	gttacaaaatt	ggagatggga	ccaggaatcg	gtgttttcta	18840
aggagctttc	cagggtgattc	tgggtgtgcac	taaagtttga	taaccactgg	gttaggctat	18900
aattagaaaa	tcctgttctc	cgccccgctc	ccaagccagg	tttagaacag	tttgtaagc	18960
aagtatctgc	agaaagacca	gtctaattgtt	gacagcttct	attttccatc	tttatggaaa	19020
aatcgtaaa	cctcaaaagc	ccaaatcacc	ctcacacaag	tgtcttgggt	tgcacagcaa	19080
caccaaaaca	cagtttagag	taatccaatg	tccagctgaa	attggaatta	tagagacaca	19140
gcatgtgagt	tcactcacia	aaatTTTTT	caggaggctt	tttagggatg	agccccgtaa	19200
ttccaagggc	cttggctctc	agcctccttt	gaggcatata	acacagtctc	ttgaacagac	19260
tgaccctcag	taatgagggt	tcattaccct	cttcagaca	tgtggcacc	tcacaaacat	19320
cctttaacag	agtgtcag	atcaccatgc	ttcgtttgca	aagtaactta	atgaattcgc	19380
tcagcctata	ttcttagtac	ccagtggtag	ggatctcagc	tgtagcagca	taaaacttga	19440

actgtccaaa	accagtctct	gaaaccttca	agtgtttatt	ctgtctactc	ctgctgttgc	19500
ttgaagcttg	at ttgttgtt	acaccttact	gttttgctga	tgagaaatag	cacagggtac	19560
ttctcagtg	ttctcattaa	aggagggcag	ccaagtggaa	ttcattcttg	gctcttaata	19620
gttttcaaat	gagaatttta	ttgcatacta	atgagcacta	attgacattt	gtgactgttt	19680
tttatggaaa	taatgcatgt	acaatttgca	taatagtacc	taagtgcctt	taggtaacag	19740
tacaactctg	ggaagttgg	gaagggtttt	gtatgatgct	ttttaaaaaa	gttcccaaac	19800
cccagcccct	agaatagtat	agaatattaa	caggctctctg	ggatccaaat	ataaggcagt	19860
agtagtgact	cagttcctgt	agttgtacca	gcttgtagct	gagagtcaga	aaatgcatca	19920
gggcaggct	ctaaaagcag	gaagcgctcc	cacagtagcc	agggaggatg	ttccagccc	19980
ctctaccttc	atgtgtcaac	cctcctgctt	ctcctaagtc	atgagtatct	agacagtgt	20040
gaggattgtt	ccaaggactc	ctacactgta	aaatgttttc	taaacatcac	ttggttgata	20100
tcaacaaaca	tggattgatc	acctactatg	tgccaggcac	tgtgctagat	gccagagtaa	20160
gcccattgtg	gcttgctgcc	tgctgcatcc	ctatctctta	gcacaatgag	gcaacagtta	20220
tccatcaatg	tttattgaat	taatgaacat	gctgtctgcc	ctcagggatc	tgaggattca	20280
ttattcttac	aaaatctgac	gttgaataca	gtataaaatt	tgttgctctt	catgttagaa	20340
atattaatta	ttcagaactt	ggaattctgt	taggaaattt	agagaaacaa	gataatcttg	20400
gttttatgtg	ccccaaagtt	tctgtatatc	aaatgaccct	tttaaaattt	gtgaaaatga	20460
aagaagccaa	tgtttactga	agatctagta	cgtatcagtt	acttttgcac	acatcctata	20520
catcctatga	tttaagcatc	aacaaaacct	atgagggtga	gatagtatta	tctgtgttta	20580
attgagcaag	cagctaagaa	ctggagaagt	gactaaccta	aggcatcaca	gatagaaaat	20640
tgtggaactg	ggacttaaat	tcagcctagg	ctgtgtctgt	tgactgccg	cttattacat	20700
taaatgatcc	taggatattg	taagcaaagc	caaactctga	agtattgtac	tagtgatacg	20760
gctccgatga	ctggaggaac	actggggttc	ttggctcat	gccggtttgg	ataaaatgac	20820
atggacacac	gtggagtgg	tttagggagg	gaaaagttta	ataggcagga	aagcaggaag	20880
gaagaagaaa	acagctcccc	ggtacgggga	gagaagtagg	gggattcaaa	caaagagaaa	20940
acctcatgtg	cggcagaaaa	gtggctgctt	atatgaggat	gcaggaggag	gtgggtgtctg	21000
at ttgcatag	ggctcagggg	attggtttga	ccagtcattg	cattcctgca	gcctgtgaaa	21060
aaactgacct	tcccacccta	gctttttaat	atgcaaatgc	agggcgccat	tatgttttac	21120
acacatgggg	acatgtgggg	gtggccatgt	tgccaggcac	atgtaggggc	aagggaaga	21180
agatggcagg	aatcaccatg	tttggatgga	cccagtttct	aatggctggc	at ttgcatat	21240
caaagcttgc	tggcccagct	cagagccggg	gctttcctgc	tagacaagaa	acgtttctgg	21300
agctgcttta	aaagaaataa	aaactcccca	aggacccctt	ttcctctcta	tctgcctaaa	21360
ataattttatt	aataactcct	gtaacactag	gatggaggga	tgaattgggtc	cagggggtctt	21420
ggtgtgtgcc	ctgcattcag	ttgacctact	gtttacaata	cacctactgt	ttacaacact	21480
at ttcttaga	tcttgtgggg	aacccaaacc	aagggccagt	ctggctcacc	tataattcca	21540
ccaagcagcc	agaaaagtat	aaacgctcta	cagcaaaggg	ataaatcaag	gtttagtaga	21600
agaaaagctt	tataagtaat	gtggaaactaa	aagggtgaat	atagttttca	ataatgttga	21660
gcataaatgt	tctccagatt	gtggaaaagat	cactaactgt	tggctgggaa	gggtaggaga	21720
ggagagagtt	tgaaacacag	agaataggaa	ggagtgggtga	tgtagtccaa	taactcaccc	21780
agaacccatg	gacgtgaaag	ctttgtttgc	tctcagatcc	ataactagac	taaaggagt	21840
aatcagatct	gctcccctgc	acccaccctt	gctcaccttc	cacacctgcc	aagggccacc	21900
cagcaattcc	attctgcttg	tcaaatcccc	taaggaggat	atgtctggaa	cagccaccac	21960
tcctccccct	gctcttcctt	ctggatatgtc	aggattccct	gcacaaccgt	gctccagggt	22020
ccttgggatg	attattcaga	aaccagagaa	gtatgtagaa	aacttaatcg	gaggcactta	22080
aaggctttta	aagggaattt	taaaaacat	ctttccctct	tttataaggc	agtctgagta	22140
tttaagaagc	aaattaattg	agtccacttt	acagtgttgg	ggcaaaaagca	tgcaagttcc	22200
aacattttaca	cactaacaga	aaattctttt	cccttccact	gtgctccttt	tctttcttgg	22260
gcctgctcca	caaacttcta	accacagtcc	taaaattggta	ccccatgacc	ctgtgtgctt	22320
cgattgccta	cactggtttc	agaccacgc	tgtggattca	aatcaaacct	gcctttctcc	22380
ctgttactat	gtccaccacg	caccctcctt	gcacacacag	tctttctctt	ctttcctcca	22440

tgtgcagacc	tttaccacag	ctgtcccaaa	tgtgtgaaag	gccaaccata	actcttcctt	22500
taaaggtcct	ttagagcagt	atggaaaagag	tgctgaactt	ggaagaccta	gattctcttt	22560
ctatactcat	tatgtgatcc	tgagcccctc	acttaacctt	gcagggcact	tacaaaataa	22620
agagatggag	ttcatgatat	cttaagggtca	ttttccatgt	ccaacattct	ctgactcttc	22680
atctttccct	gactcaacat	tctgttccta	tatagtcaac	accttcccac	cttaatctca	22740
tgctcatgcc	ctcttagaaa	gtctttacaa	ctgttgaggg	tgcagtggct	catgcctgta	22800
atcccagtac	tttgggaggg	cagagtgggc	agattgcttg	agctcaggag	tttgggacca	22860
gcctgcataa	catggtgaaa	ccccgtcttt	attaaaaata	caaaaaaaaa	aaaaaaaaag	22920
ccagatgtgg	tggtgcttgc	ctgtgggtccc	agctactcag	gaggctgaaa	tgggaggatc	22980
acttgaaccc	aggaggcaga	ggttgcagtg	agctgagatc	atgtcattgc	attccagcct	23040
gggtgacaga	gagacaccct	gtctcaattt	aaaaagaaaa	aaaagaaaaga	aagcggcggg	23100
ccgcggtggc	ttacacctgc	aatcccagca	ctttgggagg	ccgaggcagg	tggatcatct	23160
gaggtcaggg	gttcgagacc	agcctggcca	gcattaagaa	actctgtctc	tattaaaaat	23220
acaaaaatta	gctgggcatg	gtggtgggca	cctataattc	cagctactca	ggaggctgag	23280
gaaggagaat	cgcttgaacc	cgggaggtgg	aggttgcagt	gagttgagat	cgtactattg	23340
cactccagcc	tgggcaagaa	gagtgaact	ccatctcaaa	aaaaaaaaaa	aaaaagaaaa	23400
tatttgcata	tgtgaactgt	cttctgtgtt	gaggatgttt	gtggcagaag	gagatagacg	23460
taggctctgt	ctacgtctgc	ctgggtgcctc	cacaaggagc	agtgtatgct	cagagaatag	23520
aagtgaattt	tactattagt	atagggtgacc	catattgaaa	atgtttgtaa	atctgctacc	23580
agaacaacac	agtcattcaa	agacaattaa	aaatgcattt	tatacttcct	gctattttata	23640
attattcatg	gatctgctgc	ctacagtcag	gtagtaaaag	gagagccaga	aggaatcata	23700
gtgaacatct	catacaatgc	tatctttgtt	gttggtttga	acataagcat	ttttgctgta	23760
atttgcgtgt	aggtctcttt	tatttctctt	attgcataac	ctgaggctga	aatacttcaa	23820
gtaatgtatc	tatttgctca	tattgggtag	aaacatccct	attattccaa	ttttcccttc	23880
tcctgcttaa	aacatatagt	gaaatgaaaag	atgcagagat	aaggaaatca	gggaaaagaa	23940
aaatagtcac	aggatactaa	aatgagccac	agatacctga	aactgcatag	ttgctataaa	24000
tgagccataa	atttgattct	gagctttcca	gtggcccca	aaagataaac	ataatagtat	24060
ttattccatg	acataaaaaat	gtatttgtat	ttctctgtgt	tcaagaggaa	gagaaatttg	24120
tactatgggt	cctcatgaag	gagccactaa	gtcagtgttg	tagaccacac	attcaacgat	24180
atcgtattaa	tacctatgat	gatgaattca	ttcattcaat	aagcatttat	tgagtactta	24240
ctttgtgctg	tatatgtttc	agtgtattgc	agtaattatt	ctttttgatg	ctcaaattgt	24300
cctattgtgg	gtcagtagga	gcccgttgat	tcattgtcctt	ttgacattat	tctgtagttt	24360
ttgatacttt	ttttcctagc	atgatgagat	gttccaggct	tatgtcgtat	atttcttggt	24420
ccgtaactca	aattgaccat	tttgttaatg	aaacttgatt	tttttcagtg	aaaagtgggt	24480
ttatagaaca	caatctgggc	acttgaagtg	tttattgtta	ctgggttgct	attacttaca	24540
agactcagtt	aacaaattag	gaaaaagatt	gatttagaaa	gaaaataaat	cctgagttca	24600
tattgttatt	tccaatttaa	agattaaagg	gttttcgtat	aacttatttt	atatgtgtat	24660
gtcttttctc	ttactttgaa	atcttggttt	ccaataacat	gaacataatt	acttccttta	24720
tcctaatagg	tacgtatatg	tgtatatgtc	tatgtatgta	tgtatgtagg	tatgtatgtg	24780
tgtatgtttc	tatctgtaaa	acaggaaaaa	taccaccta	atggagctta	agatttcttt	24840
atgagtattt	tttgtcctta	gggtatttta	tcaaattact	gttacttaaa	ataatgtttc	24900
tctatgtggg	tatgccatca	acttcatata	caattatttt	atttcaattt	gtcttcgatt	24960
tttaaggatg	gttttcttct	tctgatttaa	ttttgttttt	aaattatgta	aaatattttc	25020
ttggtttcag	agtcaaatct	atgaacattg	agaggctctat	tttgcctctc	tgtcccctcc	25080
cccttattat	tttactcccc	ttatagataa	tgcttttatt	tttccattac	tttttttttt	25140
tttttttggg	gacaggagtc	tcgttctgtc	acccaggcag	gagtacggta	gtgtgatctc	25200
ggctcactgt	aacctccacc	tcccaggttc	aagcaattat	cctgcctcag	cctcctaagt	25260
agctggggact	acagacactg	accaccatgc	ctggctaatt	tttgtatttt	tagtagagac	25320
agggtttcac	tgtgttgatc	aggctgggtc	caaactcctg	acctcaagtg	atccgcctgc	25380
cttggcctcc	caaagtgcgc	ggattacagg	tgtgagccac	cgtgcccagc	ctctattact	25440

ttttgaaaat	aagccaatga	cctatatgta	tcctatctcc	tttcttacac	aaaaggtagc	25500
aggccagagt	tcaagattac	agtgagctgt	catcatgcca	ctgcacttta	gcctgggcaa	25560
cagagtgaga	ccttatctct	aaagaaaaac	aaacaataaa	aaattttaaa	aataatttct	25620
atgaattaaa	aataatttta	aacacaactg	catatgaaga	caacaaaagga	aaactctcag	25680
gaaacactga	aatatgaaaa	tcaagtgaga	ttagagcaaa	taaggatgtg	tatgggaagg	25740
ttctgtagaa	gacagattga	ggcccaaaca	gagagagctc	taaatacatc	atgaagggtta	25800
ccagaaatgt	gagaaattcc	tgaagaagag	ggaagaagca	aatcctctcc	aaatttagtt	25860
cacttagttg	ataatcatta	gttgattccc	agtagagtca	gtcttttatc	atcagtgcc	25920
ccactgttgt	tctctgcatt	aacaaaggag	atattaatct	ggaaagctgc	aatcattttc	25980
actgtagaat	cagcctttta	tttttttaggg	ttttttaatt	tttttttttt	aggacacctt	26040
catttaagat	cacttcatat	ctcctctggc	ttttgcaa	gctctttggc	tgatctactg	26100
tttccaccac	tgtcctcaac	attttttagt	atattattta	atztatgtat	gtattgggtgt	26160
ccactgatta	ttgtttgcct	tcccccattg	gaacacagat	tctataaaag	tagggatctt	26220
tattttgttt	accactgtat	tccagggtgcc	tagaacagtt	cctttcacat	tgttgggtgct	26280
caaaaagaaa	aaagttaa	gaatgaatat	cagcagcaag	agcattttga	ggagaaagca	26340
aaggtgtaac	tgtgggggtc	tccattaatg	tatgtatatc	atcctcttat	acatttgtcc	26400
catcacccgc	tagccctgga	actctcatta	tttttttttc	tggtaatgca	ggctccaact	26460
caactggcaa	tgagaatatg	aactgaggca	actgtatttg	aaaaatgaaa	gaatataggt	26520
gatattgggtt	taaagaattc	agtatttgtg	tatttttcca	ataagtacat	gcttatgagc	26580
atagccttac	aaaataacaa	aaataatttt	ttacatttac	tcacacactt	accattttcca	26640
gcactcttca	ttcctttgta	tagatccaaa	tttgatctg	gcatcatttt	acttctgcct	26700
aaagaactaa	ctctaacatt	tttttatagt	gcatgtctct	cagattttct	ttgtctgaaa	26760
attactttat	tttaactcca	tttctgaaat	acattttcag	tggttattgt	attctgggct	26820
gacttttttt	ttttttccca	gtgcttgaga	gatgccattc	cattctcttg	tggttttcat	26880
tattttttgat	gaaaaatcag	ttgtaagtct	tactcttggt	cctctgtaca	taatctgact	26940
gctgcttcta	aaattttatc	tttattgctg	gttttttagca	atttctgtgc	cttgttttgt	27000
ttttgttatt	tagtgtttgt	tctgcttggg	attgggtgag	cttggatctg	taggtttata	27060
cttttcatca	aatacgaaaa	attttggtca	ttatttttca	aatatttttt	ctactcctcc	27120
ctcctcactt	tttccccctc	aaacagcagt	tacatgtatg	tcagacaact	tgctattatt	27180
ctataagtca	ttgagacaat	gttcattctt	ttttattttt	aatttttgtg	ggtaaatagg	27240
tgaatatatt	taggggttca	tgagatgttt	tgatataggc	atgcaatgta	aaataagcac	27300
atcatggaga	atgggggtatc	tattccccta	agcatttatt	ctttgaatta	aaaacaatcc	27360
acttacactc	ttatcacttc	tcagcctttt	gggataagat	catgtgtaaa	aacaatgtac	27420
ttacactttt	catttttaaaa	tgtacaatta	agttattatt	gactatagtc	accctgttgt	27480
actatcaaat	agtaagtctt	actcattcta	actaattttt	tataaacttt	aactataccc	27540
acttctcctc	ccacctcca	ctccctttcc	aacctatggg	aaccatcctt	ctatactctg	27600
ttcatgagtt	cacttgtttt	gattttttaga	tcccacaaat	aaataagaag	atgtgatgtt	27660
tgtctttctg	tgcttggctt	atttcactta	acgtaatgat	ctccagtgcc	atccatgttg	27720
ttgctaatta	ctggacctaa	ttcttataca	tggatgaata	gtacatcatt	gtgtagatgt	27780
accacatttt	ctttattcat	tcatctgttg	atggagactt	agattgcttc	caaatcttag	27840
ctatagtaag	caatgctgca	acaaacagga	gtgcagacat	ctctttaata	tactgctttt	27900
ctttcttttg	ggtatatatc	cagcgatggg	attgccagat	catacagtag	ctcaattttt	27960
agttttttga	ggaacctcca	aactgttctc	cataatgggt	gcactaatgt	acattcccac	28020
caacagtgta	caagggtccc	tttttctcca	catcctcacc	agcatttggt	attgcctgtc	28080
ttttggatat	aagccatttt	aactgggggtg	agaagatatt	ttagttttca	tctgcatttc	28140
tctgatgata	aatgacattg	agcatctttt	catataacctg	tttgccattt	gtctgtcttt	28200
gttggaaaaa	tttctgttag	ctcttttgcc	cattttttta	atcggattat	taaaattttt	28260
cctatagagt	tgtttgagct	ccttatatag	tctgggtgatt	aatcctttgt	cagatgggta	28320
gttggcaaat	attttctgtc	attctgtgag	ttgtctcttg	actttgttga	ttgtatcctt	28380
tgatgtacag	aggctttgta	acttgatgtg	atcctatattt	tccatttttg	ctttggctgc	28440

ctgtgcttgt	ggcatattgc	tcaagaaatg	tttgcccaga	ccaatgtcta	gagactttct	28500
gcaatgtttt	cctgtagtat	tttcatagtt	tgaggcttta	gatttaagtc	tttaatccat	28560
tttcatattga	tttttgtata	tggtgagaga	tgggtgtcca	gtttcattct	tatgcatgtg	28620
gatatccagt	tttcccagta	ccattttattg	aagagaccct	ctctttccca	gtgtatgttc	28680
ttggcacctt	tgccaaaaat	gagttcactg	tagtttctgg	gttctctctt	ctgttctatt	28740
ggctctgagtc	tgtttttatg	ccagtactat	tctgttttag	ttacaatcat	tctgtagcat	28800
aatttgaagt	caggtaatgt	gattcctcca	gttttgttct	tttcaactcag	gataacctta	28860
actattctgg	gtcttttgtg	gttccacata	aatttttagga	ttgtattttc	tatttctgtg	28920
aagaatgtca	ctggatattt	gatagggatt	gcattgaatc	tgtagattgc	tttgggtagt	28980
atggacattt	taacaacatt	gattcttcta	atccatgtat	atgggatatt	tttccatttt	29040
tggtgtcttc	ttcaattttt	ataatctgtg	ttttatagtt	ttcattatac	agatctttca	29100
cttctttggg	cagggttaatt	cctagatatt	taattttatg	tgtggctatt	ataaatagga	29160
ttacattttt	atttcttttt	cacatagttc	actgttggca	tatagaaatg	ctactgattt	29220
tttataaaact	tttatgttat	gttcagggtg	ataggtacag	gtttgttata	taggtaaact	29280
catgtcatgg	ggtttgtcgt	acagattatt	tcatcaccca	ggtactaagc	tagtaccat	29340
tagttatttt	ttctgatcct	ctccctcttc	ccactcttca	ccctcagtag	gccccagtgt	29400
ctgttgttcc	cctctgtgtg	tccatgtgtt	ctaatacttt	agatcccact	tgtaagttag	29460
aacatgcagt	atttggtttt	ctgttcctgt	gttacttttc	taaggataat	ggcctccatc	29520
tccatccatg	ttcctgcaaa	ggatataatc	tcattctttt	tatggctgca	tagtattcca	29580
tgatgtatat	gtaccacatt	ttcttttttt	ttcccttcaa	cttttatttt	aagttcaaga	29640
gtacatgtat	gtacaagatg	tgcaagtttg	ttacataggt	aaatgtgtgc	catggtagtt	29700
tactgcacag	atcatcacat	cgcctaggta	ttaaggccag	catccattag	ctattcttcc	29760
tgatgctctc	cctccctcac	cacacccct	ccgacaagcc	ccagtgtatg	ttgttgcccc	29820
ctcacatgtg	tccatatgtt	ctcatcattc	agctcccact	tataagttag	aacatgtagt	29880
gtttgggttt	ctgttcctgc	attagtttgc	tgaggataat	ggcttccagc	tccattcatg	29940
tccctgcaag	gaacatgatc	tcatttcctt	ttatggctgc	atagtattcc	atggtgtata	30000
tgtaacacat	tttctttatc	tagtatatca	ttgatgagca	tttaggttga	ttccatgtct	30060
ttgctattgt	taatagtgtc	gcagtgaaca	tatgtgtgca	tgtatctttg	taacagaatg	30120
atttatattc	ctttggatat	agaccagta	atgggattgc	tgggtcaaat	ggtaattctg	30180
cttctaggtc	tttgaggaat	tgccacacta	tcttccacaa	tgattgaact	aattcatact	30240
cacaccaata	attccttttt	ctccacaaca	ttggcgactt	ctgttgtttt	ttttgacttt	30300
ttaataatag	ccattctgac	tggcatgaga	tggatatctca	ttgtgggttt	gatttgcatt	30360
tctctaataga	tcagtgatgt	tgagcttttt	ttttcatatg	ttgtttggcc	agatgtatat	30420
cttcttttga	gaagtgtctg	ttcatgtcct	ttgcccactt	tttaatgggtg	ttgtttgttt	30480
ttcttgtaaa	ttggcttaag	ttccttgtag	actctgggtta	ttaaaccttt	gtcagataga	30540
tagattgcag	aaatttttct	cccattcttt	agggtgtctg	tttgctctaa	taatagtttc	30600
ttttgctgtg	cacaagctct	taagtttaat	tagattccat	ttgtcatttt	tgctttcatt	30660
gcaatcactt	tcggcatatt	tgtcatgaaa	tcttttcctg	tgcttatgtc	ctgaatggtt	30720
ttgccttagac	tttcttctag	agtttttttt	tatagttttg	ggttttacat	ttaaagtctt	30780
aatccatctc	cagtttaattt	ttgtatgtgg	tgtaaaggaag	gggtccagta	ttaatatttct	30840
gcatttggct	agccagttcc	cctagcgcca	tttgttaaat	agggaatcct	ttccctattg	30900
cttgtttttg	tcaagcttgt	caacagtcag	atgggtggtag	gtatgtgggtc	tgatttctga	30960
gctattttgt	ttcattgggt	tatgtgtctg	cttctctaca	actaccatgc	tatttgggtt	31020
actgtagcct	tgtactatag	tttgaagttg	ggtagtgtga	tgcctcaagc	tttgttcttt	31080
ttgcttaata	ttgccttggc	tattagggct	cttttttggg	tccatatgaa	ttttaaaatg	31140
attttcttct	aattctgtga	agaatgtcaa	tggtaattta	atgggaatag	cattgaatct	31200
ataaattact	ttgggcaata	tggccatttt	catgatattg	attcttccta	tccatgagga	31260
tgaaatgttt	ttccgtttgt	ttgtgtcttc	tctgatttct	ttgagcagtg	gtttgtagtt	31320
ctccttgaag	aggctccttca	cttcccttat	tagctgtatt	cctaggtatt	ttattctttt	31380
tgtagcaatt	acgaatggga	gttcattcac	aatttggctc	tctgcttgcc	tgttggttgg	31440

gtataggaat	gctagcaatt	tttgcacatt	gatgtttata	tccttagtct	ttgctgaagt	31500
tgcttatcag	cttaagaagc	ttttgggctg	agacaatggg	gttttctaga	tataggatcg	31560
tgtcatctgc	aaacaaagat	aatttgactt	cttctcttcc	tatttgaata	ccatttat	31620
ctttctcttg	cctgattgcc	ctggccagaa	cttctaatac	tatgttggat	agaaatagtg	31680
agatagggca	tccttgtctt	gtgccagttt	tcaagggaat	gcttccaact	tttgcccatt	31740
cagtatgata	ctggctgtgg	gactgtcata	gatggctctt	attattttga	agtatgttcc	31800
ttcaatacct	agtttattga	gagcttttaa	catgaaggga	tgttgaattt	tatcgaaggc	31860
cttttctggg	cctattgaga	taatcatgtg	gtttttgtct	tttattctgt	ttatgtgatg	31920
aatcacattt	attgatttgc	atatgttgaa	ccaaacttga	atctcaggga	tgaagccaac	31980
ttgatcgtag	tggatacgct	ttttgatgtg	ctgctggatt	tggtttgcca	gtattttatt	32040
gaggattttt	gcctcaatgt	tcatcaagga	tattggcctg	aaattttctt	tttttgttgt	32100
tgtatctctg	ccaggtttgg	tatgaggatg	atactggcct	caagaatgag	ttagggagaa	32160
gtccttcctt	ttcaattttt	tggaaaagtt	tcagtagaaa	tggtagcagc	ttttctttgt	32220
accgctggta	gaattcagct	gtgaatctgt	ctgatcttgg	gctttttttg	gttgtaggc	32280
tatttgttac	tgctcaatt	tcagaacgtg	tcattgggtg	attcagggat	tcaatttctt	32340
tctgcttcag	tcttgagaag	gtgtatgtgt	ccagggaattt	atccatttct	tctagattct	32400
ctagtttatg	tgcatacagg	tgtgtgtagt	attctctgat	ggttgtttgt	atttctgtgg	32460
gatcagtgat	gatatcccac	ttaacatttc	tgatttgtgtc	tgtttgattc	ttctctcttt	32520
tgttctttat	tagtctagtt	agttgcctat	ctttttatta	attttaaata	aaacagctcc	32580
tggattcatt	gatttttttg	aaaggttttt	tgtgtctata	ttttcatttc	aactctgatc	32640
tgatcttggg	tatgtcttgt	cttcttctag	ctttgaaatt	tgtttgcttt	tggttctgtc	32700
attcttttag	ttgtgatatt	aggttgttaa	cttgagatct	ttctagcttt	ttgatgtggg	32760
catttagtgc	tataaatttt	cctcttaaca	ctgcttcagc	tgcacccag	agattctggg	32820
atgttgtctc	tttgttctca	ttagtttcaa	ggaatttctt	gatttctgcc	ttaattttgt	32880
tatttaccac	ggagtcattc	aggagcagg	tgttcaattt	ccatgtagtt	gtgtgggttt	32940
gagtgaattt	cttaatcttg	agttctaatt	tgatttgtgt	gtggtcagaa	agactgttat	33000
gatttcaata	cttttgccct	tgtgaaaaa	gtgcatgtg	gtgatgagaa	gaatgtatat	33060
tctgttgttt	ttgggtggag	agttctgtag	atatctatca	ggctctcttg	atccagagct	33120
tagttcagg	cctgaatatc	tttgttaatt	ttctgtctca	gtgatatgtc	taatattttc	33180
agtggagtgt	caaagtattt	cactattatt	gtgtgggagt	ctaagtctct	ttgtaggtct	33240
ctaagaactt	gctttatgaa	tctgggtgtc	cctgtattgg	gtgcatatat	atttaggata	33300
gttagctctg	cttgttgaat	tgaacgcttt	accattatgg	aatgcccttc	tttgtctttt	33360
ttttatcttt	gttgggtgaa	agtgtgtttt	gtcagaaact	aggactgcaa	cccttgcttt	33420
tttctgtttt	ccatttgctt	cataaatttt	tctccattcc	cttattttga	gcctatgtgt	33480
gtctttgcac	ttgaggtggg	tgtcttgaag	acagcatact	gatggccctt	ggctgtttat	33540
ccagcttgcc	attctgtgac	ttttaattgg	gggcatttag	cccatttata	tttaagggtta	33600
gtattgttat	gtatgaattt	gatcctgtca	tcatgatgct	agctgggttat	tttgcctgact	33660
tgtttttgtg	gttgcttcat	agtgtcactg	gtctgtgtac	tttagtatgt	ttttgtagta	33720
gctggtaaca	gtttttcctt	tccatattta	gtgcttcctt	caggagtgtc	tgcagggcag	33780
cctggttgtg	acaaaattccc	tcagcatttg	cttgtctgaa	aaggatctta	tttctccttc	33840
acttatgaag	cttagtttgg	cccgatgtga	aattctggat	tggaaatatt	tttctttaag	33900
aatgttgaat	attgggtttcc	agtctcttct	ggcttgtaga	gtttctgctg	aggagtccac	33960
tgttttctgt	tgggcttccc	ttttaggttg	acctggactt	tctctctggc	tacccttagc	34020
attttttttt	tcattttcac	cttggagaat	ctgatgatta	tgtatcttgg	agttgatctt	34080
cttgtggagt	atcttactgg	ggttctcggc	atttcctgaa	tttgaacttt	ggcccatctt	34140
gctagcttgg	agaagttttc	ctgtatgcta	tcctgatgca	tgttttccaa	ctcagttcca	34200
ttctgcccct	ctctttcagg	tacccagtc	aagtcatagg	tttggctctct	ttacataatc	34260
tcatatttct	ctgaggtttt	gttcattcct	tctcttttta	tttgtttctg	tattcttgtc	34320
tgccgtgtcta	tatgcagaaa	gatagtgttc	aagctctgaa	attctttcca	ctgcttgggc	34380
catcctatgg	atacttgtga	ttgcattgtg	aagttcttgt	gtattacaag	aactttattt	34440

ttttatcttt	atccagtcta	ccattgatgg	gcatttaggt	tgattctatg	tctttgttat	34500
tgtgaataat	gctgtaatga	acatactaga	atgattcatg	tttatttggg	taaatgtgtg	34560
ttgatttcgt	atcctgcagt	tttattgaat	ttatcagttc	taatcatttt	tcttgtggag	34620
tcttttaggtt	tttccaaaata	taagatcata	ttgtctgcaa	acaatgatca	tttgagttat	34680
tcctttttcaa	tttggatgct	ttttatatct	ttctcttatac	taattgctct	agctaggact	34740
tccagtagta	tgttgaataa	cagtgatggc	agtgggcatc	cttgttgtgt	tccagatttt	34800
agaggaaagg	ctttgtcctt	cccctatgcc	ccaggtaggt	ccaggagtca	aggactagag	34860
tccaaaacct	tagaagtcta	cctggatattc	tattatactg	tggctgagct	ggccctcaga	34920
ccacaagaca	cagtccttcc	cactcttctc	tcccccttcc	aaaggcagag	gaactgcctt	34980
tagtagagac	agggtttcgc	catgttggcc	actgccaaacc	cagcccatga	ggaggactgc	35040
cagactactg	ctgatgttcc	cttaaggccc	aagttctctt	aaatcagctt	gtcctgaatg	35100
ttacctagcc	tgagactcac	ccttcaggac	agtgggctcc	cctctggccc	agggaaggtc	35160
cagaaatgct	gccccagggt	caagtcctgt	aatcaggggac	tccaagagcc	ctcttgggtat	35220
tctaaccctt	tgtatctgtg	gtggtacctt	aggtgcaaga	caaagtccct	tttacatttc	35280
cttctgcttt	tatcaagcag	aagttttgtc	ctgcagccac	cacagctggt	aatgtactga	35340
gttctacctg	aagccaggaa	gtctcagagg	ctcacccaag	gccctcaaca	tagtccctgg	35400
ttattgctgc	tggttattca	gaaccaaggg	ctcttcactt	agcagggtgat	aaatgccggc	35460
agggtctgggt	cctttccttc	aatgcagtgg	gttccctctg	gcccagggtg	tgtctagtaa	35520
tgtcacctgg	tttctagggc	ctagaatgga	ggcctcatga	ctctgaccag	tgccctatcc	35580
tgctgtggct	gcgctgggtat	cctagacgca	agacaatggg	ctccccactt	ctccctctcc	35640
tattctcaag	tgggaagggaag	gggtctcttt	tggagctgta	agctgtgtag	cctggggtaa	35700
ggggaggggt	gatgccaaata	ctctcttggc	tgcccagct	ggtgtctcag	taggttgcac	35760
gcactcccag	tctgctgtct	ctgggcctag	ttcagcacca	ggactcacct	aagagttgca	35820
gtccttatgg	cctagactgc	ttttgaagtt	tacttgagga	caaagagcac	tgtggccttc	35880
actggtgagg	tttacaggca	ctcaagttta	gaccactggg	attggtgatt	cttctctggc	35940
tagggctgtt	ttaaatcctc	cctccgtttg	cacatttcag	ctgagtttga	tctagtttgc	36000
ctttctgctc	tgattttctgg	ttcttatgaa	ggtgtttttt	tctgtgtaga	cagctgttaa	36060
cttgggtgtcc	ttgcagaggg	aatgatcagt	ggagccttct	atttcgccat	cttgatccgc	36120
cgccatatat	cattcttatac	aatcattttc	tgtttatgca	cctgaaaata	cactggtata	36180
caaaaattaag	atccttactt	tcacagaatt	tgtgttctaa	tgggggaagt	caataatcgg	36240
tggacaccaa	tacatatata	aattaaataa	cacattaaata	ggtgttgagg	acatgctggg	36300
catggtggct	catacttgta	atcccagcac	tttggggggc	cgaggcgggt	gcatcacttg	36360
agatcaggag	tttgagacaa	gcctggccaa	catggtgaaa	ccctgtctct	actaaaaata	36420
caaaaattag	ctgggtatgg	tggcagggtgc	ctgtaattcc	agctactagg	gaggctgagg	36480
caggggaatc	gcttgaagct	gggaggcaga	ggttgacgtg	agctgagatc	ctgccactac	36540
actccagcct	ggacaacaga	gtgagactct	gtctcaaaaa	aaaaaaataa	ataaaaaataa	36600
aagctgttga	ggacaatgga	ggaaaaaggca	gatcagagaa	agaacattta	caaaaagccag	36660
aggaggtgtg	aagcaatttt	aaatgagggtc	agatttttgg	ataatttcta	ttgctatgtt	36720
tttaagttaa	ccaatgtttc	tttttgcaat	gtctgatctg	ttacattttt	atttcagata	36780
ttatatgttt	atctctagaa	gttctattta	gatctccttt	ttatctttca	attctctcct	36840
cattttgttc	atattttgct	ttatatccta	gagcatattt	ataatagttg	ttttaagggtt	36900
cttgtgtgat	agttatatca	tttctgttat	ttctgtgtct	gatattattt	atctattttt	36960
taaaacttta	tgggtatagg	tcataatttt	tcatttcttt	gaatgcctgg	tgattatttt	37020
gaattttaca	ttgttgagca	ctggatgttg	ttatatcctt	tttaagagca	ttgagttgtg	37080
ttctggaatg	cagttgagtt	tttacagatc	actttgatcc	atttgagact	ttccttttagg	37140
gtatatccag	agtaacatct	agtttagagt	taatttgttt	ttactactaa	gatgtggcctt	37200
ttctgaggat	tttatccaat	gtcctgtgta	ttttgggggtc	tctccacact	ggctgatgga	37260
aacacagggt	agtctcagcc	ctgtgtgagc	tccaggaatt	actcagctat	tgccctatcag	37320
tgtttttttc	ttcaactcca	agtagtttct	tccagctcat	atccaaatca	tacttaggag	37380
aagactgggg	gggatcctct	gcagattttcc	aaagtgtctt	ccccactctc	tgtatctccc	37440

tcttcttcat	tactctgtcc	cacaaattct	aaccacctca	acatccttaa	attccaatcc	37500
attccccctt	acctcaggta	gaattctagg	ttctgattgg	ttttccctcc	acgtgctgtg	37560
acctggaaaat	gacctccagg	cagtatctct	taggaagccc	agttgtgtgg	catctgttgt	37620
acaatgcctg	aaaatgattc	tttcatgtgt	tttgtctggt	tttcaacttg	ttcacagaaa	37680
aaagcaattt	gcacagcagt	taattcttca	cagacagaag	cagaagttct	accaactgca	37740
aaacaaccaa	aacaacttgt	taaaagacag	tatttgtatg	actggtcata	aattacgtat	37800
agaagaatag	agattttgtg	agaaagatat	gggcctgtac	agaggggtga	acttgcaaat	37860
gaccatcttg	cttggggata	gtgtctgttt	tcctgatcct	aatcactggg	aaggattctg	37920
taatctctgt	caaataaatt	gcaaacacta	ccacacatgg	ccttgggtct	actactgtct	37980
atgacataaa	cagtttctcc	ctagagactt	agttgtgagg	gtacaggggg	aaggtagctt	38040
ttggagggggc	ctggaagacc	cttccctttg	tgcccttcgat	tctgtatata	tcttgtggtc	38100
agaagtctta	ccattaccct	ctctgataac	tccccaccca	ctttcccaat	cactaaacac	38160
tttttgaaac	cattcaactc	tttcctttca	atgattgagc	ccttcattgt	ttcatcagct	38220
cctcttgtgt	gaatctctct	gaatgtgtgc	caagtttgca	gtttaatgcc	tgtcccattgt	38280
aggagcccaa	tatcacggta	tataaagttt	ctacactgga	tatccatgga	ctgaagaggg	38340
gcctagcatt	cagggttcca	agccagttag	tttagcttat	ccaagggtac	ctctagaatg	38400
tgctcagaaa	tttattccaa	gtcagagttg	catccccag	gactttaggc	tcagatggac	38460
aaccccatca	tatttacaga	atccctcaaa	gataatttaa	gtttaagatt	gtcagcccac	38520
ctgggggtgca	cagtgttgac	cagggtttct	taaccttagc	actgttgaca	tttggggcca	38580
gataattctt	tgttgttcag	accatcctgt	gaattatagt	atgttttagca	gcatccttgg	38640
catctaccta	ctagatgtga	atagcatcct	tctcttaatt	ttgacaacca	cagatgtctc	38700
cagaattgcc	aaatgtcccc	taaagggtgca	aaattgcata	gttgagaact	actggtaaag	38760
aggcactatg	gcatgccaag	ctctagggag	cccacagaag	tgacacctctg	ggaactaaag	38820
ctgaagaaac	ccaagaggcc	ccttggtatc	ttcttggaag	aagttagtcc	agagtgtctg	38880
caccatgtgg	agtgtatact	gggatgacat	tgaccttgga	atgtaaactc	ctgggattct	38940
tgacctctgca	gatttggagc	agggttttct	tcttctctgc	ttttcagttt	acttatttga	39000
aatgagggaa	tgggtgtttac	atcacaaaac	actgtagtga	ggacaaaatg	agggttttatg	39060
tatatataca	cccatacata	tacatataca	cttcttccaa	atgatataat	aatatataaa	39120
cattgaatga	ataatggttc	aaatataagt	gtacttattt	gccactatga	ttaaaagggc	39180
aatataggaa	aaatacatct	tcttctaatt	catcatgttg	taataatcct	ccctgtgggt	39240
gcagtatggt	tctgtgctag	aaggcacaat	aggaaatctc	taactttaaa	aaaaaagaaa	39300
agaaaaaata	tctttctagc	aattaaaaat	tcaactaaat	tagaatgcaa	ataggttttt	39360
atatttgcct	cttaattttg	cattcaataa	tctgactaga	atatgcaata	atttaaatgc	39420
cttgatggga	gatagtggct	tttagttctc	ttgggatttc	attgtaataa	acctggtaaa	39480
taattcagga	acatatgaga	ggccaatgaa	tggtcagcac	ctgggtgctat	attatttgtg	39540
cctaagcaca	cagactccaa	agatggcact	ctccacctgt	cactgttggt	ctggcttaaa	39600
catgggccct	gtgttcagtg	gctattgaga	taatagtaat	ggatatTTTT	gccttgtcca	39660
attttctctc	acaatcaaag	aaaactgtgc	taagctgttt	aaaaaataca	aagcagaagt	39720
ggcagcctct	tttagattac	cactggtaaa	atttcaaatc	tattttctct	attaagggat	39780
tgattgtttt	aaagaattag	ggatatggct	atcttttcta	ctgggtgctaa	tttgagcctt	39840
tttgccctttc	tgtctttgtt	ccacaaggct	gagcttctct	ttagatcaca	ttattcatat	39900
tgcaaggatc	ttctgagaga	aataacacca	tcctctggcc	agccactcac	tctgcaggag	39960
ttcctagagc	tcccagttt	ctttccctat	tgcttgagta	gtctatctca	cgcctgttag	40020
tctcacagtt	taaaatacaa	cacacaaaga	ctcttgcagg	cagcttgggt	acctttcttt	40080
gaccccagcc	gactggacat	agagaacaag	agctagagag	aacaagagct	agagtgaccg	40140
acagatcatg	tgtggagaca	gcatggggca	cctgagccca	gcaccatcca	ggatcagaca	40200
gaacttaagc	catgagctgc	ctagaaaagat	cttggggaggg	cactgggttt	cccagtatgg	40260
aaaaaagaaa	aatgtggctc	acaagtctaa	gctaagggtct	ttacagtact	gggccataaa	40320
caggatctga	aaagaaactg	cagaaaatgt	tagatatgct	ttatctttgt	tttaaaaaata	40380
ttatttacta	taatggctta	aaatatgttg	atttaaatat	atgatatttg	atacctttgt	40440

aatatatata	ataaagtgtg	taataaaaata	taactatata	attaaaaatag	atgatattttt	40500
aaaacctctc	taataaaacca	tttacgtgtg	tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	40560
tgtgtgtgtg	tatacatgcc	tttgtttaac	aggtttaatt	gctttccttt	cttcaggaac	40620
cagagtgagg	gtactcgaac	agtgactgcc	atctgggtgg	taaccagaat	catcaccttg	40680
tgtagcctga	tggttactaa	gatgtccact	cttgactcac	atggcatgca	ctcgcagcag	40740
gggaccagtt	gaaggatgtc	tgacttttga	gggtcaccag	ttgaaggatg	tctgatgaag	40800
gagcctagcg	aaataaccct	ttgcttctac	ctgaatgggt	tgttcactct	ggattctgag	40860
cctgcagcca	gctccaaaat	ggggcctctg	aagaaaagat	ttgagttgct	cttggtgtctt	40920
agtcaaaagat	ctacatccct	accagtgggt	aaccaagact	gtgaataagc	acacaccaac	40980
aggggcatgt	ggtgacatgg	agcctgaaat	aaactgctct	gaattgtgtg	acagttttcc	41040
tggccaggag	ctggatcgga	gaccccttca	tgatctctgc	aagacaacaa	ttgtaagtga	41100
gcagccacag	gatgccaggg	ctgctcagat	gtatgtgggtg	gtgggtgggtg	tggggaggag	41160
gaggtggagg	gaaaggggga	tgaggaaggg	gaggagtggg	aggagaaact	gctcatgcag	41220
gatacatatt	tcccagcact	tggtgacgat	ggggcagttt	gtttttgacc	tatagaagat	41280
ccttcattcc	taacagctcc	tccttattct	gtcctcagac	atctttccac	cacagcagta	41340
agaccatctc	ttcattatct	cctgtcctct	tgggtattgt	ttggactttt	ctcagctgtg	41400
gacttctgct	gatacttttc	tttcttgctt	ttacaattca	ctgcaggaag	aacaggtaag	41460
cagcccagtt	tctcatcaca	catagctcaa	tcataaatac	ccaaatgtta	gtatcttttg	41520
gcagcacaag	ccactatctg	gtctcccact	acaggattaa	accacatgag	acattccctc	41580
tgaaatagtc	tacctgttga	gaaggggaaa	gatctaggtc	ggtattgtgc	taactactgc	41640
aagggtatcc	aaagaagaga	atgaagagtc	tctctctata	atggaggtag	aatccttctg	41700
agaagatgag	gtatctgtat	ttaaaatgaa	gaccatgtag	aggattccaa	aacaacacaa	41760
aaacttgagg	acagcacagc	agaaccagtc	tgggtgagtt	agggtttctg	caaaagcagt	41820
gaagcactgc	tacctggcta	tttgctagat	aattctggct	gactagaaaag	tcacagctt	41880
atcagggttaa	gtatggctcc	caggattcgc	aaaagaagca	aaatgggtgac	ttttttctga	41940
agggacttat	agcaccttgc	cttggatgca	atttcatcct	tcttcagggc	ccatcccac	42000
tctcccaccc	ccacactgta	ccctcatcct	accacagccg	tcccaggggtg	cctcatgaga	42060
agccctgctc	cagccctctc	cttagccac	agctgacttc	tagatggagc	ccacaatcag	42120
aaattaacaa	cttcctcaaa	ccagccaaac	tcgtccagcc	ccactccagc	cttaccctgt	42180
gtggtgacca	agcatgtcgt	gctccattgc	ctgtggattt	gacactcaga	tgagaattgg	42240
tcagttgcat	tttgggatgc	tgttttgcca	tgttaggcat	ggaggacgtg	gaattgttaa	42300
gcagcagtga	ttggttggtg	ggtcagcctc	agcatgggtg	tgatacgtgg	cactccaact	42360
agagtatacc	ccagagactg	cctcagccac	ttttcattct	gttcctcaag	cacactacgc	42420
tgactcccat	ctcaaggctt	ttgtacttac	tgttcctgta	ctgttccctc	tgcttggaag	42480
tcctcctcag	atattcccat	gactagtacc	ttctcatctt	ataggtcttg	gctccagtgt	42540
cacctcttca	gagacacctt	ccctgatcat	cctatctaaa	gtagtatccc	tacccatgat	42600
cacccctca	tctcattcca	tatcctatca	gcctgtttta	tgttccttat	agcaagcata	42660
gtctgctatt	accatatattg	ttgatttacc	tgttgattgt	ctgtatcccc	taccagaatg	42720
gaattctgtg	aacacaggga	ctttgcctgt	cctcttgtgc	ccaccactgt	gtctccagca	42780
tttagaacag	actctgggat	ataatagggtg	ctcagtaaat	atgcatccag	tgatcctggg	42840
aggaaagaga	tttaaatccc	aacggtggct	gctgccaaaca	aagtgactgg	gaaaatcatg	42900
catttcaagg	ttagagaact	atggagtaca	gtcttttcag	ctgtaacatg	tttctataat	42960
gcaaagtaat	actcaattgg	tattaccag	ttggtaataa	gaaaattatg	tcattgattc	43020
atatgttact	tttccccag	caaatcaata	atttaaaca	tcaggggcaa	gctttctcac	43080
agctagtaaa	ggaagcttta	agcttggcag	ttccttccct	tggtgcaagt	agtgctggc	43140
ttaatggctt	aagaacttgt	gtcttcccta	caagatgagg	ctgtaggagt	agatgaagaa	43200
gtggagaaga	catttgctt	atgtttaaaa	acttcagttg	attgttaaag	aaagcacaga	43260
tccagagcag	atttttaatt	ttttgacaat	gttatctact	ggagatgaat	gcccctgagg	43320
acctgtgtct	tgagatttaa	gactgtagaa	gttgactttg	atcctgggta	caaatgctag	43380
tggacattta	ctgggtggta	gtgttttagt	tggaaataatt	aatattttat	taataactctt	43440

gttacaaagt	taactgtttt	gagtgttatg	accccatcct	attttcccca	cagtctatta	43500
tttttacata	taattttgca	gaatacaagg	tttatcaagt	atttatata	cctgttaaaa	43560
caggaaacacc	tgtaaacagc	attatactag	aaacccttat	atttctttca	ctctattaaa	43620
tattttgctg	cctgttttgt	ttgcagtg	ggcagtgact	ggcataaaga	ataaaatatt	43680
aagagggtatt	gtgaataaaa	acacatttta	caattaagtg	gcttacaagg	tcagacaagg	43740
aaagataaaa	taaccaggtt	tcaaaagtg	tttattgaac	aatacatttg	ttaaaagatg	43800
cagcatcaca	atcagatgct	ttatttcgtt	acaattctgt	ggctctctaa	tttgggactg	43860
tgtgtgtgag	tattcatgtg	tgtgtatatg	caagaaagga	gaggaagaaa	aataatttta	43920
cacaataaaa	ataatacaaa	aatgttttaa	tccagttgca	gatattgaat	ttttataaaa	43980
atttcaaaaa	ccagtaaaaga	taaagaaaac	ttgaacacta	tcaaccaact	tgacccaatt	44040
gacattttata	ttacctttca	cccaacaaca	gcagaataca	tattcttttg	aagtacacat	44100
ggaacatttta	ccaagatata	tcatattctg	ggccatagaa	aaagtctcat	taaaatttaa	44160
agggttcaag	ccgggtgcag	tggctcatgc	ctgtgatccc	agcacttttg	gaagctgagg	44220
cggatagatc	accagagggtc	agcagtttga	gaccagcctg	gccaacatgg	tgaaaaccca	44280
tctctactaa	aaatacaaaa	attagatggg	tgtgggtggca	tgacactgta	gtcccagcta	44340
cttgggaggc	tgaggcagga	gaacccggga	ggcagagggt	gcagtgagct	gagatcatgc	44400
cactgcactc	cagcctgggt	aacagagcaa	gactctgtct	caaaaaaaaa	aaaaattaaa	44460
ggattcaagt	catataaaact	atgttttctg	acaatgaaat	taaaatggaa	atcaataaca	44520
gaaagatctc	tggaaaaatcc	tgaaatatatt	agaaactaca	tagaacactt	taatccatgg	44580
tcaaaaaaga	aatcaaaaagg	aaaactagaa	aatattgacc	agaattaaaa	tgaaaataca	44640
acctagattt	gttggatgcc	actaaagcag	tattaggggg	aaatctagag	aactaaaccc	44700
catattagaa	aagaagaaat	gtctcaaact	catgacctca	tcttccacct	tacaaacaga	44760
aaaaaagagc	aaatgagacc	caaagtaagt	agaagaaagg	aaataataaa	gatcagggtta	44820
gaaaaataaaa	taggaaacag	aaaacaatag	gaaaaaaaag	tcagtaaagc	caaaaagctat	44880
gaagataagt	aaaactgata	aacctctagc	caaagtgtat	agaaaaaaaa	gaaataagat	44940
acaattaccc	aaataaggaa	tgggagagggt	gacatcacta	tagattctgt	agatatgacg	45000
gataaggtaa	tgttgtaaac	aactatggta	gatagcctct	aagatgttct	tcgatgattc	45060
ccacctcctt	gtagtcacac	tcctatgaag	tcctctctcc	ttgagtatga	ggtgaactta	45120
ctaacttgct	tttttagtgag	atgtcgcttt	tggcattagt	tcacaaaaac	tgtggcttcc	45180
accttagagc	tctctcattg	tcccactaac	tcccactctg	tgggaggcca	gctgttgtgt	45240
tataagctgt	cctgtaaaaga	ggcccccat	ggcaagggaac	tgatgtttcc	agcctgcagc	45300
cagcaagtac	ctggggcctt	ctaacagcca	tgtcagtgaa	ctttgaaaca	ggtgacacct	45360
tgactgtatt	gttgtgacac	cttgactgta	ttcttatgtg	aaaacctgag	ccacaggcac	45420
ccaactaagc	tgtgacttag	aaatattacc	agttcaactt	caaactcttc	taaaaaaact	45480
gaaaataaag	aagtaattcc	caactcattc	tatgagggca	gtattaccct	gatttcaaaa	45540
ttgaatagga	aaaagaagaa	ggagaaggag	aagaaggaga	aggagaagga	agaggaggag	45600
gagaaggaga	aggaggaggga	ggaggaggag	gagaagaagg	agaaggagaa	gaagaagaag	45660
aagagggaaga	ggaagaggag	gaagaagaag	aagaagaagg	gaggaggaaa	gctataggct	45720
aatatgtcct	ataaacatag	attcaaaaatt	ttaaacaaaa	ttttaacaaa	ttgagtatca	45780
ccaaatgtta	aaaagagaat	acatcattgt	gacaacgtga	ggtttatccc	tggaatgtaa	45840
gctttgttta	atatctaaag	attgatcaat	aactcatgac	atttaccaac	taaaaaagaa	45900
aactatatga	tcactctcag	agatacagaa	aaatttttga	caaacttcaa	catcaatttc	45960
tgataaagtc	tcaacaaaca	gcatagaaca	gaacttcctc	cccattgcgc	agcacagctg	46020
ctgtggcaga	ttgtggccag	actgcttctt	taagtgggac	cccgatccat	ccccctcac	46080
tgggcaggac	ctccttgtga	gaatttcagc	aactccagcc	agggttttat	ggacagaact	46140
ctgatctctc	tgggacagag	cccctcaggg	gaagggtggc	cacagtctct	gtggttcagc	46200
caacttagcc	tttcctgcct	gctggctctg	gagagtctgg	gcagtctgga	caaaaaggga	46260
tccccccagt	gcagtgcacc	cagtccccca	aggggcagcc	agactgcttc	ttgaggcagg	46320
tccttgatcc	cattcctcct	gactgggtga	gaactcccaa	agggatcccc	agacacctct	46380
tacaggagtg	tttgggccag	cgtcagtttg	gagcaggcag	ccatctttgc	tgttttgcac	46440

cctttgctgg	tgatagtgat	acctccaggt	gcagaaggga	cccaggtgat	tagggctctgg	46500
ggtggaccac	tagcaaacca	cagcagccct	gcagaagagg	agcctgactg	ttaaaagaaa	46560
aacaaagcag	caacaacaac	ataaacaaaa	aagatcccca	aaaaaaccca	ttgaaaggct	46620
agcaacctca	aagactgaag	gtagataagc	ccacaaagat	aagaaagaat	caatgcaaaa	46680
atgctgaaaa	ctcaaaaagc	cagagtgcct	cttctccaaa	tgattgtaat	acctctccag	46740
caagggcaca	gaactgggct	gagactgaga	tggctgaatt	gacagaagta	gccttcagaa	46800
tgagggtaat	aacgaacttt	gctgagctaa	aggaacatgt	tctaacccaa	tgcaaagaag	46860
ctaagaatca	tgataaaaaca	ttacaggagc	tgataaccag	aatagccagt	ttagagagga	46920
acataaaaaca	cctaattggag	ctgagaatca	caacgtgaga	acgtcacaat	ccaatcacta	46980
gtgtctatag	ctgagtagac	caagcagcag	aaagaatctc	agagcttgaa	aactgtcttt	47040
ctgaaaataag	acaggcagac	aagaatagag	aaaaaagaat	gaaaacaaac	aaaacctcca	47100
agaaatatgg	gattacgtaa	aaagaccaaa	cctacaactg	attggagtac	ctgaaagaga	47160
tgggggagaat	ggaaccaaat	tggaaaacat	acttcataat	gtcatccagg	agaacctcgc	47220
caatctagca	agacaggcca	acattcaaat	tcaggaaatg	tggagaaccc	cagtaagata	47280
ctccacaaga	agatcaaccc	caaaacacat	aatcatcaga	ttaccaagg	tcaaaatgaa	47340
agaaaaaatg	ttaagggcag	ccagagagaa	aggccaggct	atctacaaag	ggaagcccat	47400
cagactaaca	gtggacctct	cagcagaaat	cctagaagcc	aaagaaactg	gaggccaata	47460
ttcaacaatt	tttttatatt	ttgttttttt	gagactgagt	ctcgctctgt	caccaggct	47520
ggagtgcagt	ggcgcgatct	cagctcactg	caagctccgc	ctcccgggtt	cacgccattc	47580
tcctgcctca	gcctcccgaa	tagctgggac	tacaggcgcc	cgccaccgcg	cccagctaata	47640
tttttgtatt	tttagtagag	acggggtttc	actgtgttag	ctaggatggt	ctcgatctcc	47700
tgacctcgtg	atctgcccac	ctcggcctcc	caaagtgtg	ggattacagg	cgtgagccac	47760
tgcgcccggc	ctcaacattc	ttaaagaaaa	gaattttcaa	cccagaattt	catatcaggc	47820
caaattaagc	ttcataagtg	aagaagaaat	aagatccttt	tcagacaagc	aaatgctgag	47880
ggaattgtta	caaccaggac	tgccctgcaa	gtgctcctgc	aggaagcact	aaatatggaa	47940
agaaaaaact	taccagccac	cacaaaaaca	cactgaagta	cacagaccag	tgacactatg	48000
aaggaaccac	ataagcaagt	tggcaaaaata	aacagctagc	gtcatgatga	caggatcaaa	48060
ttcacacata	acaacactaa	ccttaaatgt	aaatgggcta	aatgccccca	ttaaaagaca	48120
gagaatggca	agctggccaa	agagcaaaga	cccgtcagca	tcagcaaaca	cccagatgct	48180
gtcttccaga	gacctatctc	aagtgcagag	acacacatag	gttcaaaaata	aaggaatgga	48240
ggaaaaattta	ccaagcaaac	ggaaaaacaga	aaaaagcaag	ggttgcagtc	ctagtttctg	48300
acaaaaacaga	ctttaaacca	acaaaagataa	aatagacaag	ggcattccat	aatggtaaaa	48360
ggctcaattc	aacaagtagc	gctaagtatc	ctaaatacat	atgcacctaa	tatgggaaca	48420
accagactca	taaagcaagt	tcttagagcc	ctacaaagag	acttagactc	ccacacaata	48480
atagtgaag	actttaacac	tccactgaca	atattagaca	gatcattgag	acagaaaatt	48540
aacaaagata	ttcaggacct	gaactaaact	ctagattgaa	tggacctgat	agttatctac	48600
agaactctcc	acccaaaaaac	aacagaatat	acattctttt	catagccaca	tggcactcta	48660
aaattgatca	tataatcaga	agtaaaacac	tcctcagcaa	atgcaaaaaga	actgaaatca	48720
taacaaaacag	tctctccaac	cacagcacaa	tcaaattaga	actcaagaat	aagaaattca	48780
ctcaaaaacca	tacaactaca	tggaaatgaa	caacctgctc	ctgaatgact	cctgggtgaa	48840
taatgaaatt	aaggcagaaa	tcaagaagtt	ccttgaaact	agtgacaaca	aagagacagt	48900
gtaccagaat	ctctgggaca	cagcgaaagc	tgtgttgaga	gaaatttata	gcactaaatg	48960
cccacatcaa	aaagctagaa	agatctcaaa	tcaacaacct	aacatcacaa	ctaaaaaaac	49020
tagacaacca	agagcaaaca	aatcccaaag	ctagcagaag	acaagaaata	accaagattg	49080
gagtgggaact	gaaggagata	gagacacaaa	aaaaaatttc	aaaaaaccaa	caaatccagg	49140
agctgatttt	ttttgaaaaa	aaaaaagtta	ataaaaataga	ctgttaccta	aactaataaa	49200
gaagaaaagag	aagaatcaaa	tagacacaat	gacaaatgat	aggggggata	tcaccactga	49260
cctcacagat	acaaacaacc	atcagagaat	gctataaaca	cctctatgca	cataaactag	49320
aaaatctaga	aggaatgggt	aaattcctgg	gcacaaacac	ttgcccaga	ctgaaccagg	49380
aagaaattga	atccctgaat	agaccaataa	tgagttctga	aattcaggca	gtaacaaata	49440

gcctagcaac	caaaaaaagc	ccaggaacag	acgaatttac	agctaaattc	taccagaggt	49500
acaaagagga	gctggtacca	tttcttctga	cactatttca	aaacaattgaa	aaggagggac	49560
tcctccctaa	ctcattctat	gagaccaaca	tcacctgat	acaaaaacct	ggcagagaca	49620
caataaaaaa	acaaaacctc	ggacaaatat	ccctgatgaa	catcaatata	aaaatcctca	49680
ataaaatact	ggcaaaccac	atccagcagc	acatcaaaaa	gcttatccac	cacgatcaag	49740
ttgacttcat	ccctgagatt	caaggttggg	tcaacatatg	caaatacaata	aacgtaactc	49800
atcacataaa	ccacatgatt	atctcgatag	acacagaaaa	ggcctttgat	aaagttcaac	49860
atctcttcaa	taaactctca	ataaactaag	tattgaggaa	tatacctaaa	aataacaaga	49920
accatctatg	acaaacccac	agccagtatc	atactaagta	ggcaaaagct	ggaagcattc	49980
cccctgaaaa	ctggcacaag	acaaggatgg	cgtctctcac	cactttttatt	caacctagta	50040
ttggaagttc	tggccaggggc	aatcaggcaa	gagaaagaaa	taaagtgtat	ctaaatagga	50100
agagaagaag	tcaaactgtc	tttgtttgca	gatgacatga	tcctatgtct	agaaaacccc	50160
atcgtctcag	cccaaaacct	tcttaagctg	ataagcaact	tcagcaaagt	ctcaggatac	50220
aaaatcaatg	tgcaaaaatt	gctaacattc	ctataaacca	acaacaggca	agcagagagc	50280
caaatcatga	atgaactccc	attcacagtt	gctacaaaga	ataaaaatacc	taggaatata	50340
gctaacaagg	gaagtgcagg	gcctcttcaa	ggagaactgc	aaaccactgc	tcaaggaaat	50400
cagagaggac	acaagcaaat	ggaaaaacat	ttcatgctca	tggataggta	gaatcaatat	50460
tgtgaaaatg	gccatatggc	ccaaagaaaat	ttatagattg	aatgctattc	ctattaaact	50520
accattgaca	ttcttcacag	aattagaaaa	aactattata	aaattcatat	ggaaccaaaa	50580
aacagcccca	atagcccca	tatctttttg	cttaggattc	taagcaaaaa	gaataaagct	50640
ggaggcatca	tgctacctga	catcagactg	tagtacaaga	ctacggtaaa	caaaacctca	50700
tggtactggg	acaaaaacag	atacatagac	caatggaaca	gaatagagaa	ctcagaaata	50760
agaccacaca	cctacaaa	tctgatattc	aacaaatctg	acaaaaatga	gcaatgggga	50820
aaggactccc	tatttaataa	atgggtgctg	aaaaactggc	tagccatatg	tagaaaattg	50880
aaagtggacc	ccttccttac	accgtataca	aaaattaact	caagatggat	taaagactta	50940
aatgtaaaa	ccaaaactgt	aaaatcccta	gacgaaaatc	taggcaatac	cattcaggac	51000
atagacattt	catgacgaaa	atgccaaaag	caattgcaac	aaaaccaaaa	attggcacaat	51060
gggggtctaat	taaagagctt	ctgcacagca	aaagaaactg	tcacagagat	gaacagacaa	51120
cctgcagaat	gggagaaaat	ttttgcaatc	tatccatctg	acaaagggtat	aatatccaga	51180
atctacaagg	aacttcaaca	aattttacaag	aaaaaaaataa	ccccattaaa	aagtgggcaa	51240
agggcagtaa	cagtcacttc	tcaaaaagaag	acatacatgc	agccagcaaa	catgaaaaaa	51300
agctcaacat	cacagatcat	aagagaaaatg	caaatcaaaa	ccacaataag	aggtgggtgg	51360
gtcacttgag	gtcaggagtt	caagactaga	tctagaatca	gaaataccat	ttgaccagc	51420
agtcttatta	cgggggtatat	acccagggaat	ataaatcatt	ctattataaa	gatacatgca	51480
tgcataactt	cactgcagga	ctattcacaa	taacagagac	atggaatgaa	cccaaatgcc	51540
catcaatgat	agactggata	aagaaaatgt	ggtacatata	taccgtggaa	tactatgcag	51600
ccataaaaaa	gaataagatc	atgtcctttg	cagggaacctg	gatggagcaa	actaatgcag	51660
gaacagaaaa	ccaaacactg	catgttctca	cttataaagt	ggagctgaac	tatgagaaca	51720
catagacaca	tatgggggaga	acaacacaca	ctggggcctg	ttgggggaagg	ttggggggagg	51780
gagagcataa	ggaagaacaa	ctaattggatg	ctgggcttaa	tacctagggtg	atgggttgat	51840
ctgtgcagca	aaccacctgg	cacatgttta	cctatgtaac	aaacctgcac	aggtaccctg	51900
gaacttaaaa	gttaaaaaaa	ttttaaaaaag	aagagaactt	cctcaacctg	ataatgtgca	51960
tctataaaaa	aacctatacc	taacatcatt	tttaatggta	aaagaccgaa	tcctttccca	52020
ttaggatcag	aaagaagaca	agatatccac	tctcacgact	tctattcaac	actggagggtt	52080
ttagccagtg	caataaggta	agaaaaataa	acaaaagtca	cctacttttt	aaaaaaaagta	52140
agaatgaaaa	tatttttacc	ctcagatgac	ctgatcacct	atgtagaaaa	tccagtgaaa	52200
catttaaaaag	gaagaaacag	ggcaggcatg	gtagctcacc	cacccaaagt	gtaatccac	52260
cactttggga	agctgagaca	gaaggatcac	ttgaggtcag	gagttcaaaa	ccagcctggg	52320
cacagagtga	gaccttgtct	ctataaaaaa	ttaaaaaatt	agctgggcat	ggtgggtgcat	52380
agcttttagac	ccaaacactt	agaaggctga	ggtggggagga	ttgcttgaat	ccaggagctt	52440

gaggctacag	tgagctaaga	ttgtgccact	gcactccaaa	ctgggtgaca	gagccagacc	52500
ctatctctaa	acaaaaacaaa	actactagaa	ctaatacatg	agtttagcaa	ggttgcagga	52560
tacaagatca	atgtacaaca	ctcaactgta	tttccatata	ctaacaacaa	ataattgaaa	52620
aagtgaat	aaaagcaata	ccattttacaa	cagcatcaaaa	tagatgaaat	atttagggat	52680
aacctaacaa	acaatgtgaa	atgcctgtac	actgaaaact	ttaaaacatt	gctaagagaa	52740
tttttaaaaa	tctaaataaaa	tggagataca	ttgtgttgct	gggttggaag	actcaatatt	52800
gtttaaatgt	cagttcttcc	ctagttgatt	tatagactta	atccaataac	agtcacattt	52860
cctttttttg	tataaattga	caaactgatt	ataaaattca	tgtgaaaata	tgaaggacct	52920
agaatagaca	aaacaacttt	taaaaaagaat	gaagttggaa	gactaggacc	acctgatttc	52980
aagacatatt	acaaaactaa	cagtaatgca	gacagtttgg	tactgggcaa	ggatagacat	53040
attcatcaac	agaacagaat	agactacaga	aataaatcca	catgtatatg	gtcaactgat	53100
tttcaacaaa	ggtacaaagg	caattcagtg	gagaagggac	agtccttttca	gcaaatactg	53160
ctggaacaaa	tgtatatcca	tatgcaaaaa	tgaactttga	tctagctaca	tgttacacca	53220
tattaagaaa	ttaactcaaa	atggatcaca	gacctattta	taaaacctaa	acctgtaaag	53280
tttataaaaag	aaaacatata	agaaaaat	tgtgaccttg	gaataagcaa	atatttctta	53340
ggtacaatac	caaaaagcatg	gtccataaaa	gaaaacactg	atgaattaga	ctttttaatc	53400
attaagaaca	tcttctcttt	caaagagaat	cttaagagaa	tgagaaaaag	ccacagacta	53460
gaataaaaata	tttgaaatca	tatatctggc	tgggtgtggt	ggctcacgcc	tgtaatccca	53520
gcacttttagg	aggttgaggt	gggtggatca	cctgagggtca	ggagttcaag	accagcctgg	53580
ccaacatggt	gaaaccccgt	cttactataa	aatacaaaaa	aaaatgagcc	atgctgtggtg	53640
gaggcacctg	taatcgtagc	tactcaggag	gctgaggcag	gagaattgct	tgaactcagg	53700
aagcagaggt	tgcatgagc	caagattgct	ccattgcact	ccagcctggg	tgacaacagt	53760
gaaactccat	ctcaaaaaaa	aaagaaaaaa	aaaaactcta	aaaacgcaat	acagtgggtgc	53820
tcccttatct	gtggttttgc	tttccatggt	ttcagttacc	tgtggtcaac	catggcctga	53880
aaatattaaa	tggaatattc	cagaaataac	caattcatag	gttttaaaatt	gtacaccttt	53940
ctgaggagca	tgggtgaaatc	tcatgctgtt	ccactctggc	ccaccagga	cacaaatact	54000
ccttttgtcc	aacatatcca	tgccatatac	actacctgcc	tgtagtctc	ttagtagcca	54060
tcttgattat	cagattgcct	gtcatggtat	tgaagtgtt	tgtgttcaag	taacccttat	54120
tttgcggtgg	ccccaaagtt	caagagtaat	gatgctgaca	tattgttata	atttggtatg	54180
gtttggctct	gtgtccccac	ccaaatctca	tctcaaattg	taatcctcac	atgtcaaggg	54240
agggacctgg	tggaaaggta	ttgggtgatg	ggggcagttt	ccctcatgct	gttctcatga	54300
tagtgaggga	gttctcacaa	gatctgggtg	tttgttaaag	gtctggccct	ttccctgca	54360
cactctctct	ctcctgccac	cttgtgaaag	tgtgtcttgc	ttcccttttg	cctttcgcca	54420
ttattgtaag	tttcctgagg	cctccccagc	catgcagaac	tgtgagtcaa	ttaaacctgt	54480
ttttctttat	aaattattca	gtctcatgta	gtacctttat	agcagtgtga	gaacagacta	54540
atacataatt	gttttattat	tagttatggt	tgccaatccc	ttactgtgcc	taatttataa	54600
attaaacttt	attataggta	tatatgtata	agaaaaatca	gtatatatgg	ggctcagtac	54660
tatccatggt	ttcaggcatc	cactgggggt	cttggaatgt	atccccctc	agataagggg	54720
gactattgta	ataagaaaaac	aattcaatat	tttaaaatgg	gtaaaagatt	tcaacagata	54780
cttcaccaaa	gaagatatat	ggatgacaaa	taagcatatg	aaaagatgtc	caataccatt	54840
actcattaag	gaaatgcaaa	ttaaaactac	attaaaatac	cactacacac	tcattagaat	54900
ggctaaaatt	aaaaagactg	agtaaattccc	atgttggcac	acactgctga	ggagaacata	54960
atttgggtcca	accacttcac	tttggaggc	agtctgggag	attatttatt	tatttattcc	55020
attcctgggt	gatttttttt	atagaaatag	agtttcacta	tgttcctcag	gttgggtctca	55080
aactcctggg	ctgaagcaat	ctgcctgtct	tggcctctca	aagtgctagc	attgcaggca	55140
tgagccaccg	cgcccgccca	tggcagtttc	tttaaaaagtt	cagcatatac	ctatgatgtg	55200
atctagctat	gccactctta	ggtttttacc	caagagaaat	gaaactgcat	gtccatacaa	55260
agacttgtag	gccaatgttc	atagcaactt	tctttgtaat	agccaaaaaac	tggaaatagc	55320
acaaataccc	attagcaagt	gaatggctaa	acaaattgta	gtatatccat	acaatagaat	55380
cctgctcagc	aattttaa	atgaattatt	gatacttggga	agaacaaaga	tgaatctcaa	55440

aataattaca	ctgaatgaaa	gaagccaggc	aaaatgacta	catgctatgt	aaatccaatt	55500
ccacaaaagt	ctataaaaact	aaactaatct	attgttaact	aatctgtagt	gacagaagca	55560
gatcagtcgt	tgcctgtgga	tgagtaggg	tggcaaagag	tcaggaaagg	aggatgacaa	55620
aggggcatgt	ggaagctttt	tggggtgatg	gatatgttta	taccttgatt	atggatatttc	55680
acaggtgcat	acatatatca	aaacttatca	aatcatgtac	tttaaataatg	tatgtcatgc	55740
actttaaatt	gtgtgccagt	tataacctta	taaagctagt	aaaactatta	tacattctta	55800
tttttctgag	caggttctca	tggagaacaa	aatacaccat	acctagtgtt	cgttttcttt	55860
tttttaatta	attaattaat	tgatttttat	tagtgttcat	ttcaaaggac	cttgctaggt	55920
gtcctaaaac	ctatctgatg	actttgcctg	atactgatga	ttttattatg	attttaaaaa	55980
atatttttag	tagagacggg	ttttcgccat	gttgggcagg	ctggctctga	actcctgacc	56040
tcaagtgatc	ttcccacctc	agcctcccaa	agtgtctggga	ttacaggagt	gagccaccat	56100
gctcagccaa	tactaataat	tgatatggga	gaatgttttg	tttttcctag	attcctcatg	56160
cagcttaata	aggaccataa	taacttaact	cttagaacaa	aggagatatt	tcaggcccaa	56220
agggaagcac	atctggtgcc	tcctctgaaa	ttcacaaaat	aagggcgttg	ttgtaagttc	56280
tgcatgaagc	taaacttggt	caaagtttat	aagttcaaaa	gtaaataaaa	ggactatctt	56340
ttattctgag	accttatttc	aatatcactt	gtgataatga	ttatagatcg	tagctgttat	56400
ttacatatgt	ctacttctca	gggttaaagg	tggcatttcc	acagcagtat	ctgggatttt	56460
attgcctatg	aaatcaagaa	ggtagagtaa	caagaattgt	gtagggtatg	agcttttacc	56520
ttacatgcaa	gttaacaagt	tagcctggta	atgtttgatg	gatgttagct	aaagacatga	56580
gactcttggg	tcagagaaaa	aacacttgat	tactcatggc	aaaagcagta	atcagaactt	56640
aatattgagc	ttttactggg	ttccatgccc	cacgtgccat	gaggggaatg	aaagtcccat	56700
aatggatgtt	tatggatgtt	tgcacacaca	cagtgggcta	ccatttaagg	agaggaatcc	56760
tgagcctggg	aagtccactg	cttttatagt	gagttgtaac	aagcctgttc	tttgtctagg	56820
ggaagatgtt	acctgatccc	tcaaggttgc	tcattacaaa	cacaaccctg	agaaatggcc	56880
tggataaaga	gcagtcagag	ccttgcttct	tggcatacct	gacaagaatg	cacagagctg	56940
ctcagggccc	ctggtaggtt	tgccctccac	actagggact	gtgcatggag	gcacctgcca	57000
cttctgcctg	catcctgggc	tagcgtgaca	gtcagagaca	cagacaccag	tgaatggctg	57060
aaatatgttc	ctgtggtctt	ctcactccac	tacaacttcc	ttcccagtta	gggtcccat	57120
gcaggccctt	tgagctgcac	ctggcagagt	tgagttacat	actttcatgt	accctgctga	57180
gtttgtcttc	tttgcttca	gaaattccaa	catactacat	gagtcatggg	tcttggtatt	57240
attgttatac	ccttctcaga	atctctctga	ctccccagat	ttcacatcgt	tttccatttt	57300
tgtaaaaggc	ctcaaggctt	ccatgctatg	gagaagagtt	atactcatct	tttctttatt	57360
cttgcatctc	tgaaagcctt	acattagcat	ccaagtgagg	tttctctatc	aatatcaaca	57420
gtaaatattt	agtgaactaa	acacctacta	tgctcagcat	aatgtataaa	atatgattta	57480
agggttcctg	ggagcttcaa	atgcatcacc	tgggtgcaaa	aacatgagga	aacaaaaaag	57540
tacattctgg	tggttttttt	aatagcattt	aaaaaataat	gccttgctgc	agggatagga	57600
gctgtgctgc	tttcatatca	attctgttct	ctttgtgggt	tgagaaactg	gagctgaagg	57660
gaaggtgatt	gggaataaaa	gaaagcagta	ctgatttttc	tggctaaaag	aaagtttgca	57720
cactgtcatg	cactattaga	atttctggga	tcttctttat	aatccccggg	ttgatgggta	57780
ttggccaaga	aggaagaagg	ggagctagtc	aggcctagaa	taattaccag	ccatacagca	57840
taatctgggg	ctagtgttgc	agggtcaagg	actgaatgag	gcagagtgc	caggagcaga	57900
tcctgcaagg	ccttgacca	aaaggaagct	aagggtcata	gaaggaaaat	attgtattga	57960
tcacatcaat	tagaggattg	ggcatagagc	caaaaatagg	aggtgtatca	tgagatcaaa	58020
agccattggg	ggccaagcgc	gatggctcac	acctataatc	ccagcacttt	gggaggccaa	58080
ggcgagcaga	tcacttgagg	ccaggagttc	aagaccagcc	tggccaacat	ggcaaaaacc	58140
tgtctctacc	aaaaatataa	aaattagctg	gccatgggtg	cacatgcatg	taatcccagt	58200
actcaggagg	ctgaggcagg	agaatcactt	gaacctggga	ggcggagggt	gcagtgcagg	58260
gagatcatgc	cactgtactc	caacctgagt	gacagagtga	gacctgtctt	caaaaaaaaaa	58320
aaaagccact	ggtatgtagg	aatgggtgcag	gaaaaaagtg	caaagcagaa	atgaggtgaa	58380
aatatataga	actatgaaca	ggaatgaggt	ctttcttgag	tactggctgc	cagatggagt	58440

acgagtgggt	cagcagaagt	taatgaggta	ggttaaaagt	taatgcatag	gaatagtttc	58500
tgcacagtct	tctgatgctg	tccatcctgc	agtcaggcct	atatcaatat	cagccctaga	58560
tgaagtgggtc	acaccctcct	ttgtgcacct	actgttacaa	atagtcatgg	ctgtcattac	58620
tccatcacag	ctgatggcac	ttactagggt	gagagaagcg	gggctctgtc	tcccttacca	58680
tacagtgagc	tccttgagtt	tattcatctt	tgtgtttcca	ttgtgcctgg	actgcgcact	58740
gtttcccgaa	tgaacaaatt	aactggccta	gaatatactt	atgatgataa	aggtcagttc	58800
ttagattatt	gttttcattc	tttaactgtt	taagataatg	tcaactctat	gtaaaaattg	58860
tgccctagggt	aagcagttgc	tttttattat	tattctctct	ctttcttgat	ggttactccc	58920
tctaggagcc	caaagcatga	cgtccagagc	cccagattcc	cagccatcct	ggttgtgacc	58980
cttcattctc	aactttcatt	tcaatcttag	tatgccatga	aaagccgtct	gcttttgaag	59040
cactatcagc	cacagagttc	tgtactttta	gaaggccttc	tcatagtcag	attctcacaa	59100
atatacctat	tgtttcaata	aatattttatt	gaattggcca	gcaatgtttc	agatactgtt	59160
ctagggtgctg	gggttacatc	aaagaacaag	gtaggcaaaa	tcactaccct	cgtggacttt	59220
gctttcctgg	agggggaata	ggcaggacat	aaaataaatt	gtaaactatt	cgggatgtta	59280
gtgatcagag	aagaaaaagta	aaacagggac	agtgaatggg	gactgtcaga	gtggtagttg	59340
ctattcaaga	tcatttgacc	aaggaaggcc	tcgctgagga	agtaacattt	gagaatagac	59400
ttgaaaggca	taaaaaaaaca	agtcattagg	taaaaaccat	tccaggcaga	aggaacaaat	59460
aatgcaaagg	gccagggatg	gaaacatctg	tagtgttcag	gggaaagcaa	ggaggccagt	59520
gtgactggag	cagagtagat	taggcaaaga	acaggagtag	ataagatcag	caaggtaatg	59580
ggtgccacat	cacgtaaggt	cacacaggac	agtgtaatga	ctttggcttt	tactctgtta	59640
tggggagcca	ttgcaggatt	gggagctgtg	aaatggcaca	ccttgcttac	atctaatagg	59700
aaatctgctg	ctgcattgag	aatagacctt	taaattttta	aagagatatc	tatggcatta	59760
ccttaataaa	agtcatgctc	cttggagtgc	ctcaattcat	gtacattaat	gggtaaaagt	59820
ggaattcaag	aaaccctgga	aatgtatggg	ggagtccctc	ttgtttctcc	tctgctcatg	59880
tctggtgggt	gagcactaac	gccatctctt	cctaagcgag	ggctccctag	cagagcaccg	59940
tgcacatgga	ttcttcctat	gctctgcatt	ctttgccaca	gggatgccat	aatttggcaa	60000
tatgcagtag	agactgcctc	aagaggcagt	tcccttcttt	atctaagcca	agagaaaattt	60060
ggttctgcaa	gtaacaagta	attactgctg	atgacattcc	ttgtacacac	ttgaagagag	60120
cgtggaccgc	aaaataaaaa	ctggagcaaa	aagggactat	cagataatcc	agattaaaga	60180
ttggaaaagga	ggaaaacaca	ttattttacac	atacaacact	tgatttttatg	agtagagaac	60240
acaacttatg	tgtatgtacg	ttgtacactt	gattatatgt	gtagagaatt	caaaaagtgtt	60300
cagataaaatt	atttagactt	aaaaagagac	aaataatttt	gggaagggtga	tagtggcagt	60360
agtagcatag	gttttagata	ttcctgaatc	tccacataaa	aacagcaact	agatagaaga	60420
cacaaaactc	atgggcaaca	aaataaaatc	catttacaag	aaaattagat	gatgagggtat	60480
tcttatgatc	ctcaaaatat	aaccggttgg	ggaaagacca	cccacagcca	caagagctgt	60540
gttattttgtg	tctacgtagg	agaaataaga	gagaggcaat	ggacatctga	cagacctgag	60600
aacagagaac	tcaaaaatagc	ccaaagggtat	tcactggaaa	gcatgggtgg	ggcaatttga	60660
gatcagcagc	tgaaaacttaa	taaggggtga	gtgcaaggga	tccacctctg	gaaggctctaa	60720
aaggaatgca	gcagtctagc	tgctgtgaaa	tttctagact	gatctggtgg	ggctcccttc	60780
caagatagga	tctcatgaag	aagagaaaact	gtggggagta	ttgagctcaa	aattgagcag	60840
aatgaagaca	atacagatga	agaagggaaga	ggaatatcca	aatgaaagca	tatcagagtc	60900
aggaaatctc	cttggaagc	aagccagagt	attttttaac	accatattaa	tacaatatag	60960
caaaggaacc	atgtgaagtt	agaaaagcta	tctgaaccaa	atgtcttttt	aaaatcacat	61020
aaaaactaaa	ttcacaccca	caaaaatcta	cagcaggaaa	atatcaaggc	caaatccaac	61080
acaacattat	taacctaaaga	aagagaataa	ggggaatatc	tgcagacaat	gaaagcatgc	61140
caaaaagata	tgattgaaaa	tagattgaga	ccctaattgta	ctatttcagg	tgcatcctaaa	61200
gacattgaag	aagtcatata	agacatagaa	aagcaacata	aatcaaatga	ggaagctcag	61260
aaatgagaca	attcaagaaa	aaattagaaa	taaacatcta	aaaatgaagg	ctgatctaga	61320
aggaaactcaa	caacaaatga	atacaacata	attctttaac	ataaataaaa	ggtagaaagg	61380
aagaaaattt	tttaaatgga	atgaaaaaag	attttttaaaa	agttttgaaa	gaaaacaaca	61440

aatattgaaa	ataggcaaaa	aagatcaatt	tatcaataat	aagagtcctt	gaaaaagaaa	61500
ataaaaagcaa	ggaaaagaaaa	caagtataaa	acaaaacaaaa	ccctctaatt	taagaaaact	61560
gaaaaatttga	aactacgtat	ggaaaagaaca	cactgtgtac	ttgagtatat	cataatgact	61620
aagttcagca	gagttgttgg	atgaaaaggtc	tatgtgtaaa	caccatttta	tgtaacattt	61680
aaacaaaattt	tttagatcat	ttaaaaacagc	ataaaaaata	taaaaatccta	tttgtgacgg	61740
ctttctagtgtg	tgtcaacttg	actaggccaa	actacatttc	ctagaattct	ctttcttgta	61800
tgttttctga	ccacaaagga	gattctttct	agatttggaa	agctaaggga	agttccagcc	61860
atcttatagc	acacacattg	ttgcgaacct	gctgatccac	ctactgggggt	gaagcagagc	61920
tggacatgca	attgctctac	cttcccctgg	accctccatt	aacttgtcag	gcccctgggc	61980
caggtgtgtg	tgattagctc	cacgacaaaag	ggccacagct	tctgcaggat	atactcatta	62040
cctagatcag	aggcaacaat	aactgacatg	ggtttcagtc	tcttcacagg	ggtgtgagca	62100
tgctctaatac	tcttgattttt	ccctcctgac	tgctgcctt	gtagacttca	agctctagca	62160
tcagatgtgg	agacaacagc	cttacagaga	ctgcttaaag	agctcccaa	attgcataac	62220
tcaactgcct	gtgacacatc	catatatctc	tttttgaatc	ctggctaata	cagtaggaaa	62280
agatatgcat	tatctctata	tagaaaatca	taaaatattt	tgagaggaat	taaattctat	62340
attcattgat	cagaagactt	aatattgtaa	aaatatcatt	tctcccaga	ttgatata	62400
ggttcaatgc	aatagaaaatt	ccaacaactt	gcatatgtgt	gtgtgaaact	tgacaagcta	62460
aatctcaaat	ttatacggaa	attcaaaagg	ctaaaaatag	gctggaaaaga	aaaggacaag	62520
ctgggcgcgg	tggctcacgc	ctgtaatccc	agcacttttg	gaggccaagg	cgggcagatc	62580
acatgagggtc	gggagttcga	gaccagcctg	gccaacatgg	cgaaacaccc	tctctactaa	62640
aaatacaaaa	atttgccggg	catgggtggg	ggcgcttgta	atcctagcta	cttaggaggc	62700
tgaggcagga	gaatcacttg	aaccagggag	gcagagggtg	cagtaagcca	agatggcacc	62760
attgcactcc	agcctggatg	ataagagtga	aactctgtct	aaaaaaaaaa	aaaaaaaaata	62820
ggacaaaagt	agaggatttc	ttcttctgga	tatcaatatt	tactataaag	ctagtaatta	62880
aaacctgcta	aatatggtat	tggagcaagg	agagacaaat	agatcaatag	aacagaatag	62940
agagaatcca	gaaagagtca	aggatatata	gatgcttttc	aataaatggt	gcagggtcag	63000
ttggctatcc	acatggagaa	aaaagtgcaa	cctgaatcca	cctcaacaaa	attacttcca	63060
ggtgaactac	tgaaatggaa	aacaaaaaaa	cttcaggaaa	gtcatagaag	agagtatctt	63120
tatgaactag	ggacatgaaa	atatgttaaa	cagaacacaa	caagtattat	tcataaggga	63180
aaatatgtt	aaattgctct	acattcgttc	aggagcagcc	tgggcaacat	ggcaaaatgc	63240
cgtctctgct	aaaaatacaa	aaatacagcc	aggcatcgtg	gtgcatgcct	gtggtcccag	63300
ctactctaga	ggctgagggtg	ggaggatcac	tggagcctgg	gaggcagagg	tcacagtgag	63360
ctgagatcac	gccattgcac	tccagcctgg	gtgggtgaca	gagggaagacc	ctgtctaaat	63420
tgaaaaaaaaa	aaaaaagctc	tacattagaa	attgagaact	tctgttcatt	aaggacatca	63480
ctaaggaaaa	aggcaagcca	tagactggga	caatgtattc	acaatgcata	tgtcatcaaa	63540
gaatctttat	tcagaataaa	aaagtgggaa	tctatatgaa	aacatagaaa	atccactttt	63600
ttaaaaatgt	gcagtcttat	gtttatcaca	gcactgttca	cagtagtaaa	gtcatagaat	63660
ccatctaagt	gtccatcaac	agatgattgg	attaaaaatgt	ggtatatattt	tgccatggaa	63720
tactatacac	ctataaaaaat	aaatgaaatt	atgtcttttg	cagcaatgtg	gatggaactg	63780
gaagccatta	tgcttactga	aatgactcag	aaacagaaaa	tcaaaaacca	catgttctga	63840
ttgataagt	ggagctaaac	agtgggtata	cacggacata	caaggggcat	aatagacact	63900
ggagactcca	aatgggtggga	ggatgggagt	gggtgaggga	tgaaatacca	cctttcaagt	63960
acagttcagg	tgattgggtac	acttaatgcc	cagatttcac	cactgtgtaa	tatatccatg	64020
taacagaact	gcatttgtat	ccctaaatcc	ataaaaaata	aaaaatttaa	tttcaaaaaa	64080
taaaaaatgt	gcaaaaagata	tgaacaggta	catcacaaaa	gaacaaatcc	agatagccaa	64140
taaacaaatg	aaaaagggtc	caacttcatt	agtcatcaga	gaaatgcaaa	ttaaagccac	64200
agtgtgataa	tactacatac	tcacttgaat	gtctgcaatt	aaaaaaaaaga	ctgacaaaaac	64260
caagtgttga	gaaggatgta	gaacaactgg	aattctcatg	catagtgtgg	aagtgtgcat	64320
tgatacaatc	acttttgaaa	actgttttagc	agtatctact	aaacttgaac	atattcatac	64380
cctgtgtcct	agcaattcca	gcaaaattgc	atacatatat	tcacccaaaat	aatgcactag	64440

aatattcata	gcaacactat	ttgtaatagg	cccaaattgt	aaactgtttg	aatgtccatc	64500
aacagttata	atatctat	ataatgtcca	atatatcaca	gtatactcca	tgccacaata	64560
tagatggctc	tcacaaaaat	aataaatagt	gttgagcaaa	ggaagccaga	aaaagagatt	64620
ataccctatg	ttactctttt	tacatgatgc	acaaaaacag	gcagagctaa	tctaagatgt	64680
tagaagtcag	attgggtggg	tggagaaaaag	ggagaataga	gcaagaggaa	gacttctgaa	64740
gcactaataa	tatgtttttt	gacttgcacg	ctggttgccc	aggtgtgtca	gtttttgaaa	64800
attcagtgaa	ttatacat	atatatatgc	atTTTTgttt	atgcatat	ttcttcagca	64860
aaagtttaaa	aaataatctt	tgggcttcct	gaaaagataa	aaaggaaacg	tttaaaggat	64920
acatgtcaat	tttttagcag	agacaaaaat	tttaaatact	atTTTTctgaa	aaaaaatctt	64980
ccctcacagc	tttatattta	ttattaatat	tgaaggatat	aatgaatagt	tttactgtaa	65040
atgcagaagt	aaatTTTata	agacttgttt	atggcaccat	taggaatagt	ttttaaaaaat	65100
cagaacttgt	gtttatcaaa	agacactatt	aaatgacacc	aaaagcacia	gtaacaaaag	65160
aaaaatgtgt	ttaatatcat	caaaattaaa	aatttctggc	caggcaccgt	ggctcacgcc	65220
tgtaatccca	gtactttggg	aggccgaggc	aggcagatca	caaggtcagg	agtttgagac	65280
cagcctgacc	aacacgggtga	aaccccatct	ctactaaaaa	tacaacaaat	tagccaggca	65340
ttgtggtgcg	cacctgtaat	cccagctact	tgggaggctg	aggcaagaga	atcgctcgaa	65400
cccaggagggt	ggaggttgta	gtgagcgaga	tcttgccact	gcactccagc	ctgggtgaca	65460
gagcaagact	ccacctcaaa	aaaaaaaaaa	aaaaaaaaatt	ctgtgcttca	gataaacacca	65520
ttaagaaaagt	aaaaagaacc	tacagaatga	agaaaacggt	ttcaaattat	ataatagacc	65580
tgataaggga	ctcacatcta	gatataataa	gaatgcttac	aactcaataa	tacaaagaca	65640
aataaaacaa	tttttaagtg	ggcaaagaat	ctgaatagaa	gtatctcaaa	aaagatatat	65700
gaatggccag	taggcacatc	attaccctta	agggaaatca	aaatcacaa	gagttaccac	65760
tttgcacccc	ctaagatggc	tataatataa	aaattaacaa	gtgtttgtga	ggctgtggag	65820
agattagaac	cctcattcac	tcctcctagg	gatgtaaaat	agtgtctgag	ctagggaaat	65880
agtttggcag	tttcccaaaa	tgttaaacat	agggttacca	tatgactcag	tgattaagct	65940
cctaggtata	tactcaagaa	aatcaaaaac	tatgtccatg	taaaaacttg	tacatgaata	66000
ttgatagcag	cattgtttat	aatatcccta	aaaggaaaca	acccaacat	gtatcaacta	66060
ttgaatggat	aagtgaaatg	tgttatatcc	atacagtga	atattattca	gcaattaaag	66120
tgacacactg	actcatgcta	ggacatggat	gaaacttgaa	aacatgatgt	taggtgaaag	66180
aagctagtcg	caaaaagatca	catttgattc	catttatatg	aaatgaccaa	aatagacaaa	66240
tctataggga	cagaaaaggag	attcgtgggt	atatgtggct	ggggaaatgc	aaattaaaac	66300
tactaggaga	tacataccga	tggtatgtat	gcttatcttt	aaattatctt	taaatTTTTT	66360
aagataataa	gataaagatg	tgaaaactatg	aaactctcat	ttactcactg	ggagggtata	66420
aactggtaca	accacattag	aaaagaaatt	ggcgtatctt	ttaagattaa	caacacatat	66480
accttgagag	ccagcaaatc	catttctaaa	ttctactcag	tagaactatg	tgcatattta	66540
tatcaatagg	tgtacaaaaa	tattcatagc	agcattattg	taatcaccca	aatgttcac	66600
agaagtataa	ggaataaata	aattgtggta	tattcctgca	atgggatatt	atatagcagc	66660
tacagttaca	cccagcaaca	tgtataaatc	tcacaaacaa	catcaaataa	aaaagccaac	66720
cacaaaagtag	catccactat	gattccccatt	tatgaagttt	aaaaacaggc	ataactcaac	66780
tatagtatta	aaagtcaata	tagtagttca	ccttaaggga	gaagggaag	agtaaaaagt	66840
ataatatgag	gtagaatttt	gagggtattgt	aatgttctct	ttcttgggtt	atagttttct	66900
atatgatgtt	ttctttgtta	caatttactg	agctatacat	ttttaatttg	tacacttaaa	66960
aatacatttc	ctggccaggc	gtgggtggctc	gtgcctgtaa	tcccagcact	ttgggaggct	67020
gaggcaggca	gatcaggaga	ttgagaccat	cctggctaac	acagtgaac	cctgtctcta	67080
ctaaaaatac	acaacaaaaa	ttagccaggc	gtgggtggcgg	gcacctgtag	tcccagctac	67140
tcaggaggct	gaggcaggag	aatggcgtga	acctaggagg	cggagcttgc	agtgagccga	67200
gattgcacca	ctgcacttca	gcctgggtga	cagagcaaga	ttctttcaaa	aaaaaaatat	67260
atatgtgtgt	gtgtgtgtgt	gtgtgtgtgt	gtgtatgtgt	gtgtgtgtgt	gtctgtgtgt	67320
gtgtgtgtgt	attctggccc	aagattatag	ttttttttaa	ggcagtctgt	caggggtcta	67380
caattgtatg	agttataaat	aaggagtgc	aatatcttca	gtgaactcct	gaacatgaaa	67440

accaagggtc	gactgcgaat	accttcttta	catacaacca	gacattatgg	aatgaatgtg	67500
ttccccccaa	attcatatgt	tgaagctcta	actcccagtg	tgtctgtatt	tggagatagg	67560
gtctttgggg	aagtaattaa	agttaaatta	ggtcatacaa	cctacagaat	tggagaaaat	67620
atttgcaaac	tgtgcatctg	acaatggtct	aatacccgagc	atctataaga	aacttaaat	67680
tacaagaaaa	aactaacaac	cctatgaaaa	agtgggcaga	gttaattttt	tcatgagcaa	67740
tggaaaaaaa	ttaaaaagtc	tgaaagcagg	caaagaacat	gaacagacac	ttttcaaaag	67800
aagacataca	tgacgccaac	aggcatatga	aaaaaagctt	agtatcactg	atcattagag	67860
aaatgcaaat	caaaaaccaca	atgagatacc	atctcacacc	aattggaatg	gctactatta	67920
aaaagtcaaa	aaataacatg	ctggcaagat	cgcagagaaa	aatgaacaca	tacactgttg	67980
gtaggagagt	aaattagttc	aacattgtgg	aaagcagtg	ggcgactcct	caaagagcta	68040
aaaacagaac	taccattcac	cagcaattcc	atttgtgggt	gtatacccaa	aggagtataa	68100
atcattctac	cataaagacg	caggcacatg	aatgttcatt	gcagcactat	tcacaatagt	68160
aaaggcatgg	aatcaacccta	aatgcccac	aatggcagat	tggataaaga	aaatgtggta	68220
catatacacc	atggaatact	atgcagccat	aaaaaagaat	gagatgatgt	cttttgtttg	68280
aacatggata	gagctagagg	ccattatcct	tagcaaacca	acacaggaac	agaaaacca	68340
atactgcatg	ttctcactta	taagtaggaa	ctaaatgatg	agaacacatg	gacacaaaga	68400
gaggaaaaaac	acacactaca	cactacctga	gggtggaaga	tgggaggagg	gagataatta	68460
gaaaaaataa	ctgttaagtc	ctaggcttag	aacctgggtg	acaaagtatt	ctgaacaaca	68520
aacccccga	cacgagttta	cctgtataac	aaacctgcac	atgtacccat	gaacttcaaa	68580
taaaagtctg	tgtgtttttt	aaggcagaag	tcagccccta	ccttgaaaga	actttctaca	68640
tagatggcta	cagtgttact	gagcgttttt	tttttgggtc	atcctgaatg	tcatgggaaa	68700
acttttaaac	tgctctggat	caagattagt	gcctgtggta	tttcatttct	cctactcaac	68760
tgttgagtt	acatgatctt	agaaattctt	tttggcatat	tgatgactgt	tatcattcaa	68820
gttacatcaa	gagagacttc	tttctatgag	gagctattaa	gaccctcttt	tggacacata	68880
cacaacttca	atttacetct	aagacaactt	attttaatga	aattgcttat	ttgtttgctt	68940
tagtccttag	attatatgat	catttgggca	gggactattc	tttgaatatt	tcctggcaca	69000
tttttgtctc	aataaagagg	aagggtgaagg	aagaaagaaa	ggaaaggaag	aaggaggagg	69060
ggaaggcatt	cttgttttct	atatcctaaa	cctataattt	tgtcaaaaaa	gaatattaaa	69120
tttgcctaaa	atgttaacaa	aaaatagggtc	ataatgatgg	ggccctaatt	caacagggct	69180
ggtgtcccta	taagagggaag	aggcattgaa	gtttgtctc	cctgcatgca	caaagagact	69240
atgtgaggac	acagcaaaaag	gacagctgtc	tacaaccag	gaagaggcct	cgcagaaat	69300
cagcccctga	aaaaacctgg	gtcttggact	ttttgcctcc	acaactgtga	gaaaataaat	69360
ttctgttggt	taagccaccc	agcctgtggt	gttttgttat	ggcagccga	gcagactgat	69420
acaccagaca	ttcactgtat	ccaactgttt	caccataata	gcctttctta	ttttgatcaa	69480
attactgcat	caggatttga	tcttaaat	catgtttcct	ttgcttttgt	aaatgtagct	69540
gagcatccaa	atttactca	gtttggatgc	taacaagatt	agacagttat	ctgacagtaa	69600
tcagtgcctg	atcctattct	gtgtcttctt	ccatcaccat	cccactaaag	agcttgcat	69660
ttttgtttct	tttagccaga	tagtaaacad	ttttcaggca	ttttgaattt	tgccattgta	69720
aatggtgaaa	gattctctct	ctctctctct	ctctctctct	ctctctctgt	gtgtgtgtgt	69780
gtgtgtgtgt	gtgtgtgtgt	attaggagg	ggtggtgatc	gggatgctaa	tctatgcaca	69840
gtgacctttg	tttctatctg	gctgagcaga	tgtaggaatt	aatcattgtc	actcctggat	69900
ggtgctgctg	cagctgtccc	ccactgcctt	tctgcccctg	atagatttat	tagtgtgttt	69960
tgtttgctga	aaagcatgcc	tcagcacaga	agaactggca	aattagagaa	gctttatctg	70020
tgagtataat	tttttggaaa	catggttttt	tctacacatc	tgtacctata	tactctgagc	70080
tctttaaaaa	aaaggaggag	gaagagagca	aagaaagaaa	aggaaaacaa	acagtaata	70140
ttgtttctgt	aacatcagaa	cgattatttc	ccagctgaga	atgttcatac	tggaacagtg	70200
tcatggccat	ccaccttagg	attgcagaga	accaattgtt	ttctaacctc	tgtatttctt	70260
tttgcaactg	cccacccctt	caccacttta	actgccaaact	atcagccaga	attttggcat	70320
actttggctc	taggcacaag	aaaataagt	gtctgggtta	cttagtgcta	aatattttt	70380
atagtaggcg	tcactacaac	cttgagactg	taactaacac	tttctaggct	ccaagcaacc	70440

ccactacgta	gatatccctg	cagcctcatc	aaattcaacc	cgtggggata	ttgataccgt	70500
cctggatgga	aatcagagta	gccacacccc	tttcaatgtt	gggaatctgc	caaacaattc	70560
agtataaaatt	tcctgggcct	gggctgtgta	ttttcattcc	acccccacccc	caaatcagtc	70620
agcatgccct	ggggcagaga	ctaaagagcc	gccagtgcct	attcagagtt	ggcttattcc	70680
tttctgatgg	cccatccccct	ccccgaaatc	caagaccttg	gccttagata	tcttggctag	70740
cctgggcctt	tctggtacca	cccttcactc	tctaggagct	ctgagaattt	tctgcacttc	70800
ccgacgctgc	ttgatagagt	gactcacagc	ttactctttc	attgactcct	tctgtatttc	70860
tcttcttcag	aattttctctt	ctgctgctgc	tttttagacat	ccttgcatgt	tcagtcccta	70920
aatcaccact	gcttgttatt	actttcatgt	tcccaacatc	tggcatatgg	gtcttaatcc	70980
catgggtcca	cccagactca	tgaatttaaa	ctcttctggg	ctaaactcct	ccaccaccat	71040
ttgagcctca	attctgtgaa	cagttttgtc	tctaaaagcc	acatacctta	gtgtaagaag	71100
gcagattaat	cctctgaatg	tcaacttaac	agttaggcct	atctcccaag	aaagagaaat	71160
gaaaactcct	aattagtaat	gactcatttt	gatcaaataa	tcaatttttg	gaccattttc	71220
ttaaaactat	attttattgc	ctgtaactat	ttcctggagg	ataataatca	tccttaaat	71280
actatgtgtt	ttgtgaagtt	ggtgctttac	ttttcgtgtc	ctaaatatgc	atatctgaat	71340
ctttaaattg	tagcttctct	ttcaagtgtt	ctaggatttc	atgtgccatg	gttgggatct	71400
ctttgtgatt	tgataggttt	cgatcacatc	ctcactagcc	ttctttccaa	gccacagaac	71460
ggtctgtctt	cattcagtag	agaccctgcc	attctagttt	tctcgctgga	atgtgttttc	71520
ccatatcctt	cttgagcaaa	ggtgactaaa	gccaaatgtt	tcattctggc	actttgtgag	71580
acgtgggctt	taagctctca	aaagaagaga	aaatctcata	gttttatatg	agatatacaa	71640
tgaacaatag	taaaatagaa	atgttattgg	caagaggagt	ttttctccaa	tatccatgag	71700
taagaattcc	ttggacacat	aagataacaa	gaggaatata	cttactctgt	tttccttttg	71760
agatattcct	tacataccat	gaagttttcc	tttctaaagt	ttgcaattta	atagttttta	71820
gtatattcac	aagcttgggt	aaccaccatc	actatcta	tccagaacat	ttttatcacc	71880
tgcaaaacaaa	accttgtacc	tggttagcagt	ctctcctcat	ttctctcttc	ctccacaccc	71940
tggaaaccac	tagtctactt	tctatctcta	tagatttgcc	tattctggac	atttcatata	72000
aatggaatta	ttgaacatgg	ggccctttgt	gtctggcttt	tctcatttag	cataatctta	72060
gcataatatt	tataagggtt	ccctgtgttg	tagcataaag	cgttacttca	ttccttttca	72120
tggctgaaca	tcccattata	tggatattcc	acattttgtt	tatccattca	tcagttgatg	72180
ctatctgttg	tttccacttt	gaggctctta	agaataatat	gctgctgtga	acatttgtgt	72240
acaagttttt	tcatgaacat	gtttttactt	atctgggtat	atacctagga	gtggagttcc	72300
tgggttatat	ggtgactgtt	taacataagt	gtagaactgt	ttttcaaagt	gactatacta	72360
tttcacaatc	ccaccaacaa	tgtatgaggg	ttccagtttc	cctacatcat	cactaacact	72420
tgttttatta	tctgcctttt	taattctagc	catcctagt	ggtatctcat	tgtgggtttg	72480
agtcgtattt	cccttatgac	caatgatgct	gagtgtcttt	ttatgtactt	attatccatt	72540
tgcttatctt	ccctggagaa	ctgtctattc	aaatcctttg	acatttaaaa	aaattagatt	72600
gtcttggggc	cgggtgcggt	ggctcatgcc	tgtaatccca	gcactttggg	aggctaaggc	72660
aggcagatca	cctgaggtca	ggagtttgag	accagcctgg	ccacatgctg	aaaccccatc	72720
tctactaaaa	atacaaaaaat	tagctgggta	ttggtggcac	atgcctgtaa	tcccagctac	72780
tctggaggct	gaggcaggag	aatcacttga	acccaggaga	cggagggttc	agtcagccga	72840
gattgtgcca	ctgcactcca	gcctgggcga	cagagtgagg	ctctgtctca	gaaaaataat	72900
aaataaataa	ataaataaat	attgtcttgg	aaatatactt	aaattaattg	gcctatagtc	72960
ccagctactc	aggaggctga	ggtgggagga	ttgcctgagc	ccaggagttt	gatgtttcag	73020
tgagctatga	ttatgtcact	gctctccagc	ctgggtgaca	gagtgagccc	ccatctctga	73080
aaaaaaaaaag	gaagaaaagag	gaagagggaag	aagaggagga	ggagaaggag	aagaagaaat	73140
gctcttaagt	caatagttct	caaacttggg	tcacattaaa	gtttcctaaa	atcctgatgc	73200
tcaggcttta	ccctaggcca	gttaaatgat	aatatcttgg	ggtaggaccc	aggcaacagt	73260
tttagaaaca	aatctccagt	tgattcta	gtttgagagc	cattgctata	gactacatga	73320
ctaagctgat	gataccaata	taaaaatgtt	aaagatttga	taatttagaa	attatgccag	73380
gtattaaaaa	tgggagactt	aactcaaatg	tgaatcataa	aatgccta	caggtcaaaa	73440

gatagagttg	agattttgtaa	taaagattga	taaacttttc	tataatagga	agtttcaaac	73500
cacctatagc	tagagaaaaat	gtctggctgt	ggttcttgcc	tagtgagcag	gaattggttt	73560
tatgaggtaa	ccatgggaga	gccataaat	gtgagtgatc	atgacaatta	aatctttaag	73620
cccagataat	ttatgtcaat	tattcaatgt	tcattaagga	aagtgaaaaa	aaatgagtat	73680
tagctaggag	aaatggaaaag	ggaggccttt	gaaaggcata	aaaagattgg	aggctatttt	73740
aagagacttt	attggaagca	tagaaaaaga	gtatctgaga	atttttaaaa	atccaatcac	73800
ataaaaaatgt	gacagtcaca	gtggttattg	tggagggaaa	atgacatctc	tcaaagaatg	73860
taaaaagctc	cccaagggag	agcagggagc	ccacagagtg	tattagggtta	agtacaaaat	73920
aggaaaaaag	actttaagaa	acactttcga	agagagtcca	aaacacataa	agggattatt	73980
taaaatctat	taaaaggaag	aagctagaat	aacagtggga	tcttttgctg	agaataaggg	74040
ggcacagggga	gtgctgaggc	acaaaaagac	aatagacaaa	ctaattatgt	gcctctgaat	74100
gtattgagaa	agataccaga	gtgatagcac	attcaaattg	cctactacga	atggatcagt	74160
agtagttaat	tcaatggttt	tctgtgtttt	gcataattca	agtcaggtag	gcagaataaa	74220
tactgattaa	tcactggaaa	ctcttggtgt	ttatcttgag	atctctgaag	gcctccagaa	74280
gaaatttttc	tcgtcttgcc	tctccctaaa	gccactgccc	ttgtcctccc	tctcctatta	74340
ccaccaaggc	tcctaagtgt	atagtctacc	ctagtcacct	cactttctca	tctccaattc	74400
attcttcaac	ccattcttct	aactccattg	aaaggctcatt	aaatctgact	cattgccaaa	74460
gtcattaaat	caacagatcg	cttttttagac	taaattcttt	ctagccttta	gatataatac	74520
accattaact	gtttcttctg	ttcttctctt	ctgaaacctc	ttttcttaac	atttattata	74580
tgtgaatgtc	ctggttttac	ctgtctactt	cttgctagct	accttctactg	gctccagaat	74640
tacttacgta	tttctctttt	ttgttttttt	tttttaaggc	tagtcaagtg	aagcagtggg	74700
aatggagaag	gaacacagaa	atctgtaact	ggttgtgatc	aattaattgt	agacactact	74760
gacttcagac	aagccttacc	tatttaattt	tggtaacact	ctgggttcca	gtctcgattc	74820
acttcttaca	ctatatcctt	caccttgttt	taacctctcc	tgtgacatat	cctagtgtctg	74880
cctctcttcc	catttttctaa	cttcatgggt	gatatagtca	tatagatgtt	tcacagttta	74940
ttctgatcca	gtaacaaaaa	ccagattaat	atcttaccag	caaacttgct	cttcctttgt	75000
gtaattcctg	tcgtgggttaa	tagcactacc	atccacccgt	tctcattctg	gattcctttg	75060
tctccctaca	catccggcta	gttaccagggt	tttagatatt	taacctctga	aatgtctttc	75120
aaatctttct	attgtccatc	tccattgccc	aaccatagtc	ttcatttggt	tttcatctgg	75180
actattgcaa	tagtccccta	actcatcttg	ccgacatttt	cagctactga	tctcttgcca	75240
gcattttttt	ttccccaac	acaatctagt	tttaaaaatac	agacttctac	tgccctacata	75300
actccttagg	taagtattta	aggctttttg	tagtctggcc	ctaacataaa	atatccactt	75360
ttccccttga	aattaagttg	tgccctgggtc	gtacatgaga	atggccattc	cttgagcaca	75420
ccatgcacat	tcctcaccat	gtctttgttc	atgctcttcc	ttgtttcaca	actcttctca	75480
tttatcacct	gacaaactcc	tatctatcct	ttaagacaaa	tttctgtctc	tcaaaatgtg	75540
ggccctgggc	cagagcagca	gtatcacctg	ggaacttggt	agaatacaac	ttcttggggc	75600
cccactttag	actctgttta	atccaaaact	ttgtgtgata	aggaccagca	atgtgaattt	75660
taacaagctc	accacatgat	tctgatgcat	tctaaaaattt	aagaaccact	gttctaggga	75720
acaatttttt	tatcaatggc	catagcactt	tacacatacc	tgtattactt	actgcattat	75780
ttaataacca	tgtttactta	ttcacttatt	tatctgggtct	gctaagttgt	gagtccccag	75840
agtcaaatac	aatgggtgctg	tgttctgaca	cctgccatag	tgtctagcac	ataacaagtg	75900
cttgataaga	attcagcata	ctaaaatata	cccccttccc	tccaggattc	agtctagcta	75960
gagtaaatag	agagggcaag	atcaaattgg	gtccaaggca	tctactctta	aaggctgata	76020
tacaccacac	aaacccaaaag	cttacacact	gacaataaca	aatgtcagca	aagtaataac	76080
caacgggtac	taggcttaat	acctgggtga	taaaataatc	tgtacagcaa	actccaatga	76140
tactaattta	cctatgtaac	aaatatacac	ttgtacccct	gagcttaaaa	taaaagtttt	76200
taaaaaaaata	aataaagcaa	atgtcagcaa	ggatgcagag	aagctgaatc	tctcatacat	76260
tgtctgatgta	cctactctgg	aagacacttt	agaagtttct	tataaaaatta	ttccctcact	76320
gtgcgattca	gcagtttcac	tcctgtgtat	ttaccgtaga	gaagtaacta	tgtatgttca	76380
cacaaaaagc	tgtatgcaaa	tgttttttag	cagctttggt	tgtaatagtc	aaaaactgga	76440

aacattaaca	atcaaaaaag	aaatcaagaa	aacaattcca	tttgtaatcg	catcaaaaaa	76500
tgaaaacttg	ggaaaaaatt	ttacctaaaa	gatgaaagac	ctatacactg	aaaactataa	76560
aacactgatg	aaataaatga	ggaaggcaca	aatcaatgga	aagatatccc	atattcatgg	76620
attgaaaaaa	tttatattgt	taaaaatagcc	atactacca	agcaatctac	aaatgcaatg	76680
caatcttacc	aaaattctga	tggtgttttt	cacagaaata	tgaaaaaaac	taaaattcctt	76740
atggaaccac	aaaagacccc	aaatagccaa	aacaatcttc	accaataaga	acaaagctgg	76800
aggtatcacc	ctagcctatt	taatttcaaa	atctactata	aagctatagt	aatcaaaaaca	76860
gcatgatgct	ggcataaaaa	cagacaaaacc	aatggaacag	aatagagagc	ccaaaaataa	76920
atccatccac	ttacagtcag	ttgatttttg	acaaaagtac	caagaaaaca	caaaaagagaa	76980
aggacagcct	cttcaataaa	tggtgttggg	acaactatgt	atccacatgc	aaaagaatga	77040
aattatgcct	gttacccccag	cacttttgga	ggccaagggtg	ggccgatcac	ttgagggtcaa	77100
gagtggagac	cagcctggcc	aacatggtga	aaccctgtct	ctattaaaaa	tacaaaaatt	77160
agccagggtat	ggtggcatgc	acctgtaatc	ccagctactt	gggaggctga	ggcaggagaa	77220
tcatttggac	ccaggaggca	gaggttgcag	tgagctgaga	tcgcaccact	gcactccagc	77280
ctgggcaaca	gagagagacc	ctgtcttaaa	aaaaaaaaaa	aaaaaagaaa	ttggacattg	77340
gacccttata	ccatatacaa	aaaatccact	caaaaatgaa	ttaaaagctt	aaatgtatga	77400
cctgatactg	taaaaactat	cagaataaaa	cacaggagaa	aagctcctgc	cattggtccg	77460
ggcaatgatt	ttttggttat	ggcccccacaa	gcacaggcaa	caaaacaaaa	catagacaaa	77520
tgggattaaa	ctaaaaagtt	tttgcacagc	aatggaaaaca	ataaacagag	tgaagagaca	77580
acctacagaa	tgggagaaaa	tatttgcaaa	ccatacatct	ggtaaggggt	aaatattcaa	77640
agactataag	gaactcaa	caatagcaag	aaaacaaata	atccaataaa	aagtggacaa	77700
aggacctgaa	tagacacttc	tcaaaagaaa	acatacaa	gtccagcagg	tatatgaaaa	77760
aattctcaca	tcactgatca	tcaagaaatg	caaatataaa	ccatgagtta	ttagctcata	77820
cctgttagaa	tggctcttat	gaaaaagaga	gatagcaaga	gttggggagg	atttgagaa	77880
aagggaaccc	tatacactat	ttgtgaggat	gtaaattagt	acaactatta	tggaaaacgg	77940
tatggagggt	cctcaaaaaa	ttaaaaatag	aactatcata	taatcaagca	atttctacttc	78000
tgggtgtgta	tctaaaggaa	atgaaatcag	tgtatgaaag	agatacctgc	actccccatgt	78060
tcactgcaac	attattccca	atagccaaga	tatggaacca	acctaagtgt	tcatttacta	78120
atgaatggat	aaagaaaatg	tgagatatat	atgtacacat	acacacacac	gatggagtac	78180
tatttagtct	taaagaagga	aatcctggca	tttgcaaaaa	catggatgaa	cctggaagac	78240
attatgctaa	gtgaaataag	caagacatag	aaaaacaaat	actacatgat	ctcacttaca	78300
tgtggaatct	aaaaaaagttg	aactcataga	agcagagagt	agaatggtag	ttgccacaga	78360
ctagggtgga	ggtggttgac	agaaaatggag	agatgttgg	cagatcaaaag	agcacaaaagt	78420
tccaggtagg	acagataagt	tgtggagagc	tatacagtat	agtgtctata	attagtaata	78480
acgtgttgta	tacttgaaga	attccaagag	agtatgtctt	aaatgttctc	accataaaaa	78540
aagataagta	tgtgcagtga	tggtgttga	ttaaattgat	ttataatttt	taattattttc	78600
acaatatata	caaatatcaa	aataccatgt	tgtataccat	aaatatataa	tatttgtcaa	78660
ttctgcctta	ataaaagctgg	gagaaaaaaa	ctggaaaccc	aaatatcctt	caacagggtga	78720
atggataaac	tgtgggacat	ccatacaatg	gaatactatc	tagcaataaa	catgggacaa	78780
agtattgata	gatgcaacaa	cttggatgga	gctcaagggc	atatgctgcg	tgacagatgt	78840
cagtctcaca	agcttacaca	ctgtaagagt	ccagttctat	acaacattct	taaaagacaa	78900
atttatagtg	atggagaatg	ggtagtggt	tcctaggagt	taggttgggg	aagcgtgtca	78960
ctataaagga	tagcatgaga	gagttgtgtt	tataagtgtg	tatgtgtgat	ggaacagttc	79020
actatcctga	ttatgatggt	ggtttcgtgt	ggatgaatttc	atagaaatct	atatatgtga	79080
taaatttcat	aggactacac	acacacacac	acaaagtgca	cataaaaaact	ggtgaaattt	79140
aaatagagcc	tgtagtttat	ataatagtat	tgcactaatg	tcaatttcct	gattttgatc	79200
atgaactctg	gttatgtacg	atgttattgg	ggaaagctgg	gcgaaggata	cacagggaact	79260
ctctgtactg	tttttgcaac	ctcttgtgag	tcttaaataa	tttcaaaatg	aaaagctttt	79320
gagaaaaata	aagcacaggg	atttctgaca	aaagctaaat	tagaaagcac	tgcttgacat	79380
aatgctaaaa	caggaccacag	gaagtggaga	gctcactgcc	tggtggagggt	gggaaagggg	79440

taaaggggaag	tggagattct	tgccttgaag	aacatttgggt	agaacgtggg	ccaggcctct	79500
caaacaggtc	actcctggct	tggggaggag	ctaatactaa	ggtggaaagg	gaaatgaaag	79560
cttacttctc	atcagcttcc	catatgggga	agggggccgg	aatctctcct	caataggcct	79620
ccattttctc	aatagggaaa	acggagagaa	ggggaaaagg	gttcctcttt	aacaatggtc	79680
acaaaagggtg	atgtgtgcag	tgaaaagatta	aatgggtataa	gaactcaggc	tctggaatca	79740
aaccagcct	caaatccagt	ggcttgattt	tctattgaac	tttgctatac	cctgtttctc	79800
tatttaaaaa	caggggtaat	gatactactt	aactctgaaa	gctgattaca	ttagattgtc	79860
tatgtagagc	acttagcaac	cacctagcac	atagataatc	agtgttggct	actcttttta	79920
atactattct	atgccattac	caattttcta	agacgtaaca	ataatacact	cagatgattc	79980
tgaccataat	gtaatttttg	attaaagttt	cttcaggatc	cttcaatgct	tccaactcat	80040
aaattatatc	agccctcagt	ccctatatat	gtaaatacaa	tttaaattaa	aatagttggt	80100
acttttctatt	acatgtcttt	tatgtgcttt	gcacttttaa	tacactattt	ctaaccttta	80160
tagcatgcag	gataaatact	attttcccca	ttttcagatg	aggaaactgc	ttcagagtgg	80220
ttaggcaaat	ctccaacatc	tataaacaac	acagtaaacc	taggcagtct	gatggcaaag	80280
cccaagctct	ttccactaca	ctgttacctc	agtagtaatc	cataaaagat	gcttaaacac	80340
atacatattg	tctattagtt	gttcttttta	catcacatta	catgggcaga	ctctacaact	80400
cctgccacag	cctggcgag	acacttccag	gccattgctg	aagccagtgg	agacaccaga	80460
cgatgacaga	aaccaagaac	ccaaagctga	ttgtagcaag	aattcagtct	ggagttcagt	80520
cagtagataa	atccgagagg	catcatggaa	attgtgccaa	ggtccaagg	tcaagccagc	80580
agtcagaatc	ttaaaggggca	ggcaaaaccc	agcaggaggc	tctgcaggct	ctgtgcccc	80640
cgggagattc	atggcttcct	ctctgtctcc	tcttgttgac	actgccggct	ataaatgggg	80700
gctttgtgga	tcctcagttg	aggaggcagg	tgaaaattct	tggcctacca	gcactactac	80760
aggacgttag	aaactagggc	agggaagacc	tgggtcttca	ttaatcagtg	tgatgaaaac	80820
aggccccagg	cagttgggtc	cactagtggg	aagtgaagaa	acactgaagg	aaaccaggag	80880
tcaggacatc	tggatttgct	gtcccaacat	ggtccctatc	tggcgataaa	acagcatgca	80940
aatttcttca	tctaaaaatg	aaggaatcag	gtcagatcac	tgattttcaa	actgtgttcc	81000
tcagaaccca	aggactccag	tcctgctgtg	gagagatagg	tgggagcaag	caaggccttc	81060
ctgtacagca	cgcttccttt	catctcttcc	aagtactgaa	ccttctaatt	ctaattgattt	81120
attcagcgta	acaggcatth	aataagtttc	tactaggctc	ggggccttgt	agaagggtgct	81180
gatggggaca	aagctgagta	aaaccagtc	ccaacatcat	gaattcctag	attctggctt	81240
aatgggggaa	cattccagca	gctgtcactg	ttcaggattc	ctctcagatt	ccaagataca	81300
ccaaggcccc	gagttctgcc	acagaattga	agataagaaa	gagaggaaaag	aggccgagtg	81360
cagtggctca	tgcctgtaat	ctcaccactt	tcggaggccg	aggcaggcgg	atcacctggg	81420
gtcaggagtt	tgagaccagc	ctgaccaaca	tggagaaacc	ctatctctac	taaaaataca	81480
aaataaattg	ggcatagtgg	tgcacacctg	taatctcagc	tactcgggag	actgaggcag	81540
gagaatcgct	tgaacctggg	aggtggagggt	tgcggcgagc	cgagatcgcg	ccaccgcact	81600
ccagcctggg	caacaagagc	gaaactccgt	ctcaaaaaaa	aaagaggaaa	gaggaatctt	81660
ccccagtatg	gcaggcaatc	tttcctgcct	caaggagatc	aatttacatg	tcacctggaa	81720
gcccataata	ttctgcttta	gcagtgactc	cttgtgattg	gatgtttcct	atggccaatt	81780
gtgcctgtgc	ttcatgccct	acttaaaaatc	aggacatctg	ctctgccctt	ttggaagagc	81840
tacaagtctc	ctgccaggaa	ttgctcaagg	ccttttctctg	cagctaaacg	gagaaaggaa	81900
gttgaaatca	ttgcctcata	aattacaaca	catgccaggg	ttgtaacct	gagtctgagg	81960
ttctaggcga	aaagaggatt	ttgtgtgtgt	gtctagtgtt	ttccccacag	catttaaaag	82020
ctcatctaaa	atatattata	attgcatgag	atatggcaaa	aatacattca	gaaactaatt	82080
ttttgaagat	aaacaaacaa	agcagaatgt	gcccataata	ttcctaagta	aagccacaca	82140
aacttccttt	ccagtaaggg	tatccttttg	ggctttttcc	ccctccttgt	caccaactta	82200
tcttgaattt	atcactatgc	tttttacta	ttgttcctaa	acttcagctg	ttatataatg	82260
agatagtggg	catttagtct	tatatccaaa	tttccatatt	tcagctttta	aaatagttgc	82320
aaggatgctt	ttaaagttga	tcctggccag	gagagggtggc	tcactcctgt	aatcccaact	82380
ctttgggagg	ccaagatggg	aggattgctt	gagtccagga	gtttgagacc	agcctgggta	82440

acaatgagac	cttgtctctg	caaaaaaata	aaaattaact	gggtgtgatg	gcatgcactt	82500
gtagtgccag	ctacttggga	agctgaggtg	ggaggattgc	ttgagcccag	tagataaatg	82560
ttgcagtaag	ccaagatcat	gccagtacac	tccagcctag	attagagagt	gaaactctgt	82620
ctcagaaaatt	aaattaaaatt	aaattaaaaa	gttgatccta	gcaaaactaac	accggaacag	82680
aaaacccaac	accgcatgtt	ctcactcata	agtgggagtt	gaacaatgag	aacacatggt	82740
cacagagagg	ggaacatcgc	acaccgaggc	ctgttggggg	ttgggggcaa	ggggaggagg	82800
agcattagga	caaatactta	atgcatgtgg	ggcttaaaac	ctagatgatg	ggttgatagg	82860
tgcagcaaac	caccatggca	catgtataac	tatgtaacaa	acctgcacat	tctgcctatg	82920
tatcccagaa	cttaaaagtaa	aataaaaaaa	gaaagaaaaa	aaaagttgat	ccttaggcct	82980
gtttatagtc	caagggagct	gtgaatgctg	aaatttgtac	actgtcaatt	tatatgtata	83040
ttcacatatt	aatatctata	gtacacatag	attcaggaat	gtagactttt	gtcaaatggc	83100
ctagtagata	ctgataaaac	aacttctaata	attaaattaa	aattttattc	tatttttaaag	83160
aaaaagaaca	aataagaaaa	tcgtctttgc	aatgaaaagg	tcagaaacca	aggatgtggt	83220
gtcctaatat	gctgatagca	gagattatat	ctcctttgcc	ttcctatcac	tggttcttaa	83280
taccttggca	agttagtatt	taggaattgt	tgaattaatg	tttggcacat	gaagatcatt	83340
aaagcaataa	ctcataaagc	atggggaaaa	caaggtcatt	tgctaaaggg	gaatttgggg	83400
gcacgatatt	tagcaagtct	tctttcacac	ttatagctaa	atattttgtt	tatttgatta	83460
tttgattgat	ttgggtgtaa	attctattgc	acctctggta	aaccaagtca	gcctgccctt	83520
cctggttaag	aaagagagac	agaaatgcaa	agtgtaacca	gcttattaat	aagccgagga	83580
tagagaaaag	aaatttgtct	ctgggctggg	agcagtggct	catgcctgta	atcctagcac	83640
tttgtgaggc	cgaggcaggc	gggtcacttg	agcccaggag	tttgagatca	gcctgttcaa	83700
catggtgaaa	ccccatctct	actaaaatta	caaataattag	gcaaggatgg	tggcatgtgc	83760
ctgtaatccc	agctacttgg	ggtggctgag	acacgagaat	cgcttgaacc	cgggagggtg	83820
aggttgcagt	gagctgagat	cgcctcactg	cactccagcc	tggctgcact	ctagcctggg	83880
caacagagtg	agactttgtc	taaaaaaaaa	caaaaaacaa	ctgtctctgg	cataacttga	83940
gaagggagaa	gctagaagag	acctttgggt	tcatacaggtc	caagcactgc	taaccattca	84000
gctattctgt	gggcagaatg	tctttgttct	tccagggtgca	acttcagcag	ctgtgggcct	84060
gaactgacag	tgcggggtaa	ggatatcact	ctctccatgt	gaaacaaagc	aggactacag	84120
gaaagcaggc	tgatttggaa	aggccaggcc	caccaggac	aagaggcagt	gctgagtgtt	84180
tggctcatga	caaaacataa	tttacaaatt	tactggcttc	aaggatgtaa	aaagttataa	84240
tttactggct	tcaagggtgt	aaaaaggcct	gcttcctagc	ctagctgcaa	gcagcaactc	84300
agtccatgat	cagcagattt	tctgaagcct	gggggtggga	tgcattgtgt	taacctctga	84360
tgcagatgtc	tgctgagagt	ctgtaatctg	tgtggtcatg	aagatgagat	ttcatccatc	84420
aattgcttga	caagggctat	catcgtatct	ctgggcctgc	gtggctctca	acacacgacg	84480
taagaaacat	attggacaaa	agcatttcct	gggagaattc	tccagcaaga	attcagccat	84540
tggcaaagaa	tctttcaagt	ggccctatct	cactggagac	aagtaaacad	atacgcagtg	84600
catatgtgaa	tatacactcc	ttcaagggtc	tgcactttcc	tagaaacaaa	aagaatgaga	84660
ggaaaaagct	ttacaggcat	cctgttagga	tgctttctct	cgtttatttt	taggctcttt	84720
tcagctctgt	gctaagaggg	gaggcaaagg	aagggttac	ccagaatgca	aagcttttta	84780
gtgaggggtt	gggggtgtgca	aatgtgttaa	agtgggtgaaa	accagtgctc	tatggaagtt	84840
cacagcatcc	acagcactca	gagcccccca	aatatctctg	gcccttgtgt	tcactaattc	84900
caaggaattc	tcagccattc	caggggactg	tggggatccc	cctgaaacca	ctacaattac	84960
ccagaatgtg	ccccctctaa	cacataggca	ttgaaccagt	tcctaactct	cccccaactc	85020
tcacagatct	ctagtacttt	aagagccata	tggcacacat	gcttagccct	cagccttctg	85080
cctaataagg	gagtgtttg	ccagggaata	ataagattag	ggaagaggac	aaagaaagaa	85140
gaagagaagg	agtttccata	tccattaatg	aattcattca	acagatgggt	atggaacact	85200
taccattttc	caaagaccgt	actatggtgt	gggttataga	ataagaaaca	gcctggcttt	85260
tgaggagtag	aaactgtccg	gtggaactaa	cattaaaagg	tggtaatata	acatgacaat	85320
tgtactgatg	cacatagacc	ctgggggtgt	ttagggacat	agaggatggc	accaaaccct	85380
gactgagggc	atcatccaga	cagatacatg	ctcttgtttc	tgtgagtcct	gtgaggtgag	85440

tcactcacia	agaaaaatgta	aagaaataac	tcagaataaaa	taaaaagata	gatggcacag	85500
taagcttggc	agattgatgt	tggagaacgt	cagtttttgg	ggcaacaatc	tgcaaggttg	85560
tctaattttc	tcctgcacca	ctcggctgcc	cggatgcaaa	agcagacaat	ggattgtggc	85620
tctgatctga	gtttttattgg	gcagatgctg	cagaagggct	tgtttgaaaa	gggaatagga	85680
tgttattgag	agaacagttc	agatgaccaa	ccagggatct	gaaatttaggt	agagacagta	85740
agagagactg	ataaactatg	aggaagcaaa	agaaccaagt	gactggagggt	ctataggctg	85800
tcaatgtaca	aatgtggcag	gagtaagcac	atgagagggc	tggaggatag	gatgctcact	85860
catttattcc	tcagatgttt	attgagtgcc	ttcagtgctc	aggtagtggt	ctagttctga	85920
gagtacatca	tgcaaatgc	tattgggagg	agaaaaaat	aaataaaaatc	ataataataa	85980
acaagtaaat	tatgtaatat	gttaaaaagg	aataagtact	atggttggat	gggggcaggg	86040
gaagagaata	gagcagaata	agaattcaga	attccgagga	taggggtataa	ttttaaatag	86100
ggttgtcatc	atagctctgg	ttgagaagggt	aacatatgaa	cacacaatca	ggagagaaaag	86160
aggatgagct	atgcagatac	atgtattgaa	atattccagg	cagagagaac	agccacttca	86220
aagcctcgca	gtgtgtgagt	gcctgggtgtt	ttcaaggaaa	agcaaggagg	ctgtgtggct	86280
ggagtggagt	gggcctggag	aagatgtaag	aaatgagggtc	aagaaacaac	agggatcgag	86340
tgtgtaggct	ttgtagactc	tggtaaaagac	tggctttccc	tctgggaaat	agagagtcac	86400
tgtggggttt	tgagcacaga	agtgatgtga	tcttatgtct	ctttaatgga	ttactctagc	86460
tgctatgttg	aaaaatagact	tgagggaagt	gccagggtag	aagcaggggag	accagttagg	86520
aggctattgc	aataatccaa	ataagaaatg	caaagtaaga	ctttgatcag	gtggtggcag	86580
cagagggtgg	gagaaggagt	tagattctgg	atgtatttcg	aggatagagc	caacaagatt	86640
tatgacagat	tggatgtggg	tagtgagcaa	gagtcaggat	gactccaagg	tttttgggtcc	86700
aggcaaatg	aaagggtggag	ttgccattat	ctgaaatggg	gaagaagggtg	agcaattgag	86760
agggagactt	ggagttaa	tttgaacaga	ttgtagtcaa	attgggtgtg	ggatattgggt	86820
gtttacaatt	cctgaagggg	aaccattctg	agtgacccta	agaccagag	tgtaacctgg	86880
ggatgggtgt	ctgaagagga	ataaagtga	atcattatga	ttgaataatt	tagaactctg	86940
gaggctgaaa	agctaatagaa	atctcctagg	atgttctacg	aggatgggtg	cccaggcacg	87000
agagtagggga	acgggggtcag	gccttatgat	ggatacttta	aatacaaaata	gttagagggtc	87060
acactaatat	tagcttgagg	tgtgcagaat	tttaattggg	tgcagattag	tgtatacatt	87120
agaaataagc	aagatattaa	aagatcaaat	ttgtgaaac	acatcagata	acattatgat	87180
aaagggtattt	ggagttttat	ttgagttaga	tttacaatcc	cattgtagca	tggatcaaaa	87240
acagtaagtt	gataaagaaa	tcagataaat	tttcacaatt	taaatttttaa	ttgttttatt	87300
aaaaagcatt	ttggaaagac	attcatattt	ggttttggat	aggttaaagc	tcagtgatac	87360
cattttacatc	aattttttata	gcatttttaga	gagcatgggtc	ttgtgacatc	ttaggataag	87420
ttttctgtta	gtcacagcat	gccacaaggt	accttgtgct	ccattctctg	gccatgtttt	87480
cagactcagt	aacttcaa	aaaataaact	gccaaagtga	gaaattaaca	tttgataaag	87540
tttttgcaac	atcataccat	tgagctgggtg	gatgtggctt	aagcatctga	attcattaga	87600
gactattgaa	atgataatgc	agaattatac	aggttttgca	gatgtagttc	aatattttatc	87660
tatatgtatt	gaaacctcac	ttgaggatag	aaaaatcaag	caagttcttg	tcttacattt	87720
ccactcaata	aatgaagagg	aagagataat	gagaaagcta	tataatcctt	taaaaaaaaa	87780
attcaccttg	tttctgactg	acagtaaccc	aattcaggct	ttttactctt	cataaatgga	87840
agacaagtaa	cctagatagt	actggctatc	tataattaaa	tatacaatat	tgaaatctat	87900
ttgctttgtg	gaaattatgt	gtttgtggct	gattaaaata	ttcagctatg	taggcttcat	87960
cttttagctc	aatagaaaaa	tataaatgac	attgggtgact	gaattcctac	caacgtggca	88020
aagacattcc	ccagacatac	ataattcacc	tgctgaattg	gagatgattc	acctttcagt	88080
gacttcacag	gtgttaactt	ggccaaaaca	aaaaggga	tcatcttgta	ttcatctttt	88140
gttccctgag	gcaagttttc	agtaagattg	ctcgggaaaa	atatcacaat	atacatatat	88200
aagtccatag	tatgtctatt	tgaataatga	attagcacca	ctgtctgaga	ggtgaaaact	88260
attcaatgta	tattttctgg	aaaataacta	aattgagttc	ctcttaacta	aatcagaaaag	88320
agaaggaatc	ctcaatcagg	atttcatgta	gtactgtatc	actcaaagga	aaactgattg	88380
tatagtggta	ctcaataaaa	gtgggtccaa	agaaaaatta	tgagagaaac	gtaccgatca	88440

gtgatctgga	ccaaacagac	atgtggctgt	gaaatccagg	cagttgcttg	gtgacgaggt	88500
caccatcaga	tagtcatggc	ttatgtgcag	gaatgtgaga	atggccatgg	ggaggaatgg	88560
cctgggttat	gggtccttgca	ggagtcccac	tgcttgtgcc	attgctcaaa	cttctgactg	88620
ccctgtgcag	ccggtgccag	gtcagcagta	ctctctgctc	tgaatcagtg	tcagcactgg	88680
tctctctaata	gtagtacctt	tcttcaaaaa	atgctttgtg	aagctgctgg	ttagcactgt	88740
tcttactttct	gtagttaata	ttcaccacat	attccccctt	ttttgtggag	agataaagaa	88800
attaaggaaa	atcactctcc	ataagtccac	aatctgaaga	catggaggct	gaggaggcag	88860
acctgaatga	ataagtggat	catatgatag	ggctagatct	taaatttgga	tacaggagac	88920
ttaaggtaaaa	ccacagaagc	ttgttgttta	tacatgtagc	tcttttgcta	aatataaatg	88980
tggtcatgtga	agattaataa	atctgaatgt	aatgtacaga	atgtactaga	acaggaaaaa	89040
attggtgttt	actgagagct	gaaggttaca	tcaaaaaatct	aaaaagtaat	atttttgcac	89100
catcttaaaag	tttgcaaaaca	gttttggcac	atacatcatc	tcatctttgc	aataacctgt	89160
ggggtagata	caaaagatga	tgttattttc	attttccaga	tgaggaaata	ggagcctgtt	89220
tcctggctcag	acaggcttag	tcagctgtga	gtggcagagc	tggtgttccc	acctgttacc	89280
ctcaacccca	gttccattgc	tcctaacatg	attgtatcct	ggataaacat	ggtatcaaga	89340
atggagaggc	caagcgcggt	ggctcacacc	ggttatccca	acactgtggg	aggccgaggt	89400
gggcggatca	cctgagggtca	ggagttcgag	accagcctgg	ccaacatggg	gaaaccccat	89460
ctctactaaa	aatgcaaaaa	ttagatgggt	gtggtggtgc	gtgcctgtaa	accagctac	89520
tggggagact	gaggcatgag	aatcacttga	acctaggagg	tggagggttc	agtgagccga	89580
gattgccccca	ctgcactcca	tcctgcacaa	tagaacaaga	cactgtctca	aaaaaaaaaa	89640
aaaaatggag	agtgaatttt	gggaggctga	ggcaggcaga	tcacttgagg	tcaggagttt	89700
gagaccagcc	tggccatcat	ggcaaaagcc	tctctctact	aaaaatacaa	aaatcagcct	89760
ggcgtggtgg	tgggcacctg	taatcccagc	tgctcggggc	tgaagcagaa	gaattgcttg	89820
aacctaggag	gcagagggtt	cagtgaacca	agatcatacc	actacactcc	aacctgagca	89880
acagagagag	actctgtctc	aaaaaaaaaa	aaggatggag	agtgaagaaa	aactcagaga	89940
ctttgaaata	agaagtgaag	gaggccgggc	acagtggctc	acacctgtaa	tcccagcacc	90000
ttgggagacc	gaggcaggca	gatcatttga	ggtcaggagt	gcgagaccag	cctggccaac	90060
atggtgaaac	ctgtctctac	taaaaacaca	aaaattagct	gggcatggtg	gcgggcacct	90120
gtaatcccag	ctactcggga	ggctgaggca	ggagaatcac	ttgaaccagg	gaggcagagg	90180
ttgtggtgag	ccaagatcat	gccattgcac	ttcagcctgg	gtgacagagc	aagactctgt	90240
ctcaaaaaaa	ttaaaaaaag	aagaagaaat	gaaagaaact	tggcaattga	ttgggtgttt	90300
ctgataaaga	aacagaagaa	ggaaaaaggt	attcctaggt	ttctaaaacc	tgggaagaggt	90360
ggacagtga	attataatat	aagcagctga	tgttggcaac	atgcctacta	tgtgccaggc	90420
catgtgccaa	gcatttttgc	atattgcctt	attaaatcct	tacaactctt	tgaaggtaga	90480
tcgcataatt	attattctca	ttttagaaaa	gggtgtgcat	gaaagttgct	ctcactttta	90540
gaaaaagaaa	aaaatcttcc	ctccaaaaca	aggctaagct	caactggatt	cactggccta	90600
tgctgacagt	acctggggcc	tgggacagtg	gtttggtgtt	cttgtgtgta	tggatgtatt	90660
acaatgtcag	acacaaaagta	actaagccgt	gctcctggcg	gttatgatgc	ttgcaaatcc	90720
agcactgcca	aactgttttag	tgccctcctag	gtgctttgcc	tgtgggttaga	acaagcttca	90780
ctaagtggat	agttttgcct	tggccctgcc	tttaaggcag	tctgccatgt	catcaagaga	90840
cataggtaag	aatgctctcc	tccttagtta	tgatttaaaa	ataaaaagtat	aacaaagtat	90900
aattatcaaa	tgactattag	tagaaatggt	gcattttatat	acactattta	gattacaatt	90960
cttaaataca	atgtctttcc	ttcttgttac	ttgtaattaa	ttagtatcag	tcactgtcca	91020
gtgtgagcct	ggcattgccc	ttaggttaac	cagttcacat	cctgaacttc	tgttggtgcc	91080
cagggtattt	gtctgaaacc	ctgattattt	acatctccct	ctaactttca	aatttgtctc	91140
caatctcatc	taaaaactatt	aatacttgag	aaaaggcctt	tccccaattt	cctgcttcta	91200
atcccccttat	cctcttttctt	tcttggaaaa	gtagaggaaa	atgggtttaca	tatcaaataa	91260
agtaaatagt	atatgaaaaa	aaaaaaacct	ctaagggctc	caaactctgt	ggatatctac	91320
ctgctgggta	tttattcact	aagctgcaca	tagcaatccc	ctagcaacca	taaacttcat	91380
gcataaaatc	ccaactcttc	tccaatacca	cctgttttga	ggtagtcac	cttcttttaa	91440

aagacttggg	agttatacaa	ggaataagtg	ccagagttta	gttctttgtg	aaaataaatt	91500
taaagaaatt	ataagttttc	acagggctgt	aaagatgttt	cttcccagtg	gtccttcact	91560
ccaaggctgc	actggagatt	atgctgggtga	ggaagctttg	gtctcgtagg	tctttggccc	91620
caaggcaaaa	ggtcattggct	gtaagtgtct	ttcttcctga	tccctcttag	gattgtgaag	91680
atgtccagtc	ccaatctgaa	cattgtgacc	ttactgggca	gttgtctcac	ttacagtagc	91740
gcttacctct	ttgggattca	ggatgtttta	gtggggagct	caatggaaac	tctcattcag	91800
gtaggtgaag	ttttaaaatt	tggttttgac	tataaagttt	tgattatttt	tttaaaccag	91860
ctgctcccg	gggtgggtgg	ttcctttatc	cttggagtg	gcacttttcg	agggaatccc	91920
agaacacttg	gtgaggttca	ctctgtacct	cgtgcgctct	gtgggaccca	gaccctacag	91980
atcagagtgt	gtggagaact	gataaagggt	cctcttgtga	ctcttctgtc	cccttccacc	92040
catagacaag	actgtccatg	ctgtgcattg	ggacctccct	tgtgtttggc	cccattctgg	92100
gaaagagctg	gcgactctac	aagggtgttta	cccaaagggt	cccggacaag	agagtgggtga	92160
gtaggcagca	agtacacaat	gcttgactgt	agatggtagc	ttcagcattg	gttaacagct	92220
agagaagctc	atgcacatta	ctgagcctag	cccctttcag	gacatccaaa	gttcctgttt	92280
ctcattccaa	accctggaat	catgcagcct	cataaggcct	caggctctgga	aggctgtgga	92340
tcagtgtgt	tgaagatagg	gcttcaaacg	tgggctctgg	ttcctatgta	ccccaggccc	92400
tgtggggaca	tgtgagctgg	ccaatacctg	gcaccagtgt	gaggcagaac	aagataccca	92460
gagactgttg	tttggcacag	gtgagctg	gaagtgaagg	gagggaagagt	gattacagag	92520
aaactatagc	aagtaagtag	ttatttcctt	ccctggagtc	cagttctttt	ctatgtagaa	92580
ggcagttctc	tgtactgaga	aggatgtgcc	caaagcagtg	agcaaggaag	agcagataga	92640
atcaactcta	agttatgtag	cagccagatc	accgacatgt	ccctgggtatc	agtcatcaac	92700
ttaaccacat	ttccccattt	tatcagggtg	tctgatgaga	ctgctcaaac	ctcaattcct	92760
gaccattatc	ctcattgggt	ataggccctg	cccagaccca	atatatcatt	cagttgggtg	92820
ttacttctct	ggaatgatgg	gaatttatatt	tagcaaatgt	tattgaaatca	tgggtgcatac	92880
ttaccaaaaag	ctcagctgtg	agcaaccata	cctatgaaga	agattgccta	aaaggacaaa	92940
aactgcattc	atccctcaag	aacaccaatt	tcttttttaa	acagctttac	tgaagtataa	93000
ctgacatgca	gtgaactgca	catattttaa	gcatatgatt	tgataaattg	tgacatggat	93060
atacaacca	gaaacatgg	gcataatgaa	catatccctc	atcttcaaaa	gcttccttgc	93120
aaccctttgt	tatctccctc	ccctgtccaa	tccttatatc	ccttgttcct	atcctcagaa	93180
aatcattgat	ttgtgtcac	tgtagatgag	tttgcatttt	ccagagtttt	acataaatgg	93240
aaccatgcag	tatggactct	gttttctctg	gcttatttta	ctcacataat	tgtttttatg	93300
aatattatag	ttatttatct	atgttgtgtg	catcaatagt	tatttctttg	ttattgctga	93360
gtagtattac	aatgcataga	cacaatttgc	ttatctgtag	atggatgttt	gggttatcgc	93420
cagttgtggc	gattaaaatt	aaagctgcta	tgaacattcg	tgtacaaagt	ctttgttttag	93480
acataggctt	ttatttctct	tgggtgaaaa	cctaagagta	tgggtggatc	atatggtaag	93540
tgtatattta	actttttaag	taacagtcag	actgtttttc	gaagtgggtg	taccattctg	93600
catttccacc	agcaatgtat	gagagtccat	ttcctccaca	ttcttggcaa	catttgattt	93660
gatcagtctt	tttcatttta	ggcattctaa	taggtatgtg	tggtagtatc	tcattatgct	93720
ttcaaatttg	catttctcta	atgcagtatt	gagcatttct	tcacttgctt	atttgccatc	93780
catacacctt	ctttggcaaa	ctttctgttc	aaatcttcca	cccatttttt	tttttttct	93840
gagacagagt	ttcattcttt	cgcccaggcc	ggagtgcagt	ggtgtgatct	tggctcactg	93900
caacctctgc	cttctgcttt	ccagcaattc	tcctgcctca	gcctcccaag	tagctgggat	93960
tacaggcacc	caccagcaca	cccggcta	ttttgtat	ttagtagaga	tggggtttca	94020
tcattgtgac	caggctggtc	tcgaactcct	gacctcgtga	tccgcctacc	ttggcctccc	94080
aaagtgtctg	gattataggc	atgagccacc	acaccagcc	tcactcattt	ttaaattgga	94140
ttttttgttg	tcttattatt	gagttttgtg	agttcttttt	atattctgga	tacaaacctt	94200
ttatcagatg	tatgatttgc	aaagattttc	ttccagtttg	ttcttttggt	ccttttactt	94260
tcatttactt	cagaatgtct	ttcaaagata	agacatttct	cattctgatg	aagttgaatt	94320
taccaatgtg	ttctttgttt	ttaggtttct	tgtttatattg	tttgtttggt	tttgatattt	94380
tagtagagac	ggggctttac	catgttggcc	aggctggctt	caaactcctg	gcctcaagtg	94440

attcaccagc	ctcagcctcc	caaagttcca	ggattacagg	catgagccac	cacacccggc	94500
cccaatgtgt	tctttttatgg	atcatgtttt	tggtattata	tttaagaaat	ttttgcctaa	94560
cttaaggccc	caaaaaggttt	tctcatgtgt	ttactttccag	aaatttttaga	gttttagctt	94620
tgacatttag	gcctatgatc	ggtatatggg	atgatgtatt	gattgaattt	tagtttttta	94680
catatagaca	tttgattatt	ccaacatcat	ttgttgaaaa	gattgtcctt	tcttcactga	94740
attacccttg	tgccctttggt	aaatcagttg	tccataagtg	tgtagatcta	tttctggacc	94800
ctccattctg	tctcactgat	gtgtctatct	caacagcaat	gccatattac	cctgattact	94860
gtagctttat	actaaatctt	gaaatcagg	agtattagtt	ctttgacttt	cttcttctct	94920
ttcaatgctg	ttttggctaa	tctgggtcct	ttgaatgccc	atgtgaattt	ttgaatcagt	94980
tactgattt	ctacaaaaat	tcttttggga	ttatgttgaa	tctaatagat	caaattatgg	95040
agaattggct	tcttactaat	gttgtgtcct	ttgacccatg	aacccattta	tttaggtcct	95100
taatttttcc	catcattttt	ttgtactttt	caatattgct	ctttcacatc	tttcatcaaa	95160
cttattttcta	gggattttat	atttttatgc	tattttatat	gttactattt	ttttaaattt	95220
cactttccag	ttgtttgttg	ctaataaata	gaaatataat	tattattatt	attttttttt	95280
gagatggagt	ctcactctgt	cgcttaggct	ggagtgcagt	ggtgcgatct	cggcttaccg	95340
caacctccgc	ctcccgggtt	caagcaattc	tcctacctca	gcctcccaag	tagctaggat	95400
tacaggtgcc	tgctaccaca	cctgggttagt	ttttgtattt	ttagtagaga	tgaggtttta	95460
ccgttttggc	cagggttggtc	tcaaaactccc	aacctcagat	gatctgcctt	ccttggcctc	95520
ccgaagtict	gggattacag	gcattagcca	ccatgcctgg	ccacagaaat	ataattaatt	95580
tttatatgct	tagcttgtat	actgcaacct	tgctaaacta	catgttagtt	ctagcagctt	95640
ttttatagag	tctatcagat	tttctacaaa	gatgatcata	tcagcagtga	ataaagataa	95700
tttattttcca	atctcttgtc	tgattgcact	ggctagatac	aatagtacaa	tctgaataga	95760
agtggtgaga	gcagatatat	ttgttattct	tgatcctatg	gggaaaacag	tcaaaactaa	95820
gaatgatatt	agcagtagtt	ttattgtaaa	ttccatttat	ccagttgggg	cagtactatt	95880
ctattcttat	tttgctgaga	gttttaataca	agaactgatg	ttgggttttg	tcaaaagctt	95940
tttctgggtc	tattgagatg	atcatacagt	ttttcttttc	ttagttttatt	cgcatgggtg	96000
attatgttaa	atgggtttttt	ttttaaaccc	ttacacaata	gacttttattt	tttagagtag	96060
ttttaagtta	acataaaaaat	tgagcagaag	gtacagaggt	tttacaataa	cagtctttcc	96120
ccacacatgc	atagcctctc	ccattatcaa	tattcccat	cagagtatat	acttattaca	96180
attgatggaa	ctacattaat	acgtcattat	caccagaggt	ctgtacttga	cattaggggt	96240
cacttttggg	gttgtacatt	ttatgggtct	ggacaaatgt	gcaatgacat	gtatctacca	96300
ttacagtatc	atacagagta	gttttactgc	cctaaaaatc	ctctatgctt	ctgctcatta	96360
tctctttctc	tccccatatg	ttaaatgatt	taggggtgtca	aaccaacctt	ccatccctgg	96420
gattagcttc	atttgggtcat	gctacattat	cctcttcata	tattgttgga	ctcagtttta	96480
taaaaacttt	gtttagaatt	tgtacattca	tgtttttaat	acatattgct	ctgtgggtgc	96540
cttgtaatat	atttttctag	ttttgggtatc	agggtaatgt	tggctttata	aaatgagttg	96600
ggaactattc	ccttcttttc	aatttcagga	ataatttcta	tagaatagca	taattggcac	96660
tcatgtataa	gtaccttaca	atagtatgct	tccttttatc	cccattccta	tctttgctgt	96720
tacatgttat	aggcccatatg	caattctttt	gttttaataaa	tcaattatct	ttaaaaatat	96780
tttatttttt	tatttttaag	accaggaca	acatgctgaa	ttttgttatt	ttctttaatg	96840
atattttaaat	aatgaaaact	aatcatgtat	ttttctgttt	agttaccatt	tccagtgttc	96900
ttaattttcct	gtatagatcc	acatttttat	ctcatattat	tttcctttgc	ctgaaggata	96960
tctaaccattc	cagtgtgggt	gtgctactac	tgaattcttt	cagcttttga	ttatctgaaa	97020
aagtctttat	tttgctttca	tttctgaaag	atatattact	gagtatagaa	ttctagactg	97080
aaattttctt	ttcttcttct	agtactttca	agatgttcct	gcactgtctt	ctcacttggc	97140
cttgatatctg	atgagaagtg	tcaggtttat	tttatgtcta	cacaaaatgt	gtctttcttc	97200
actgcttgct	ttgagtagtt	tccctttatc	actgggtttg	aacagtttga	ttaggcaatt	97260
ggtttgtttt	taattttaca	aacaccttga	atcacgtaac	tggttgtgct	tcttttctct	97320
ggttgtcaaa	agctcagatc	cacatttctt	ctgctccaat	tagtaaatgc	tattatatat	97380
acactcttca	tctgagcctt	catcataatt	ccctttattt	tctctcttcc	cggttgttaa	97440

atattttaat	cctatcacag	tatatatttt	tctcaatttt	atttttgtag	tcacaaacta	97500
acacattctc	ttcatcctaa	gtcaaatacg	gatggtcctt	gacataaaac	agttcaactt	97560
acagtttttc	tattttacaa	tggtgtgaaa	gcaatccaca	ttcagtagaa	accatactta	97620
aaatacccat	acaaccactc	tgtttttcac	tttcagcaca	gtagtcaata	cattttatga	97680
gatattcaac	acttcattat	aaattaaatt	aagctttgtt	ttagatgatt	ttgcccaggt	97740
gtaggctaata	ataagtgttc	tgagcacatt	aaaggtaggc	taggttaagc	tgcaatgttt	97800
ggtagcctag	gtgtattaaa	tgcatTTTTg	acttatgata	ttttcaactt	atgatgggtt	97860
tatccggaca	taaccccatc	ataagtcaag	atcataagtc	aatctgtaat	tcatatgtat	97920
ataatgaaaa	tgctaatagat	tcttcctgca	tctctgagtc	ccaccctctc	agttaatagt	97980
tattaacatt	gtgggtgtgac	attcatatct	atgtgcttat	ataaacatat	agaaataata	98040
gtttattttat	tttataaaaac	accttgagtc	ctttgtggga	aaaggtagga	tatgaagaag	98100
ttaaacaaat	ggaaatgtgt	aatgctaata	atgatatcag	catagaagtc	attgtaaatg	98160
tttggtgtct	gtttcatttt	tgatagctac	atttgaagct	ccttgggagg	gctgaccttg	98220
gagcatatag	ctgagagcac	atgggatact	ctagccctc	tgtcatttag	ccagtcaaca	98280
aggagaagtt	ttgaccttga	ctcttttgca	gattatcaaa	gacctgcagt	tgctgggggtt	98340
ggtggcagcc	ctgttgatgg	ctgatgtgat	cctgctcatg	acgtgggtgc	tgactgatcc	98400
catccagtg	ctccagattc	tcagtgtgag	gggccaaaatc	cctagagaat	ctcatcccca	98460
aactggactg	acctctgtgg	atacacagga	gtcatccttg	caacaagaag	ataaaggact	98520
ccaagaggag	ggagagtcag	gagttgtggc	ttccatgtaa	ttcttgccct	agtctgctgc	98580
cactcccact	gctcctcctg	cccgagtgtc	tctttgtggg	catacaatga	gatatacagca	98640
tgctggaatc	tgcttggcag	ttctgccact	tccacattat	caataattaa	aactttcagc	98700
tatcggcagt	taccttcccc	taattgtaga	ggtggaggta	gtagtttaag	gtggcctttg	98760
gagtcagtca	accctggttc	aaatcccagc	tctaccaagc	tcaccagttg	tgtgaccttg	98820
ggaaaagtat	gtaacctctc	taagtctgtt	tcctaattgg	taaaattgag	ataataatac	98880
tacctatctc	atagggttgt	ggcaaagatt	aaatgaaaca	atgtaggtaa	aagacttaac	98940
catgtccagt	acatactatt	caattaacaa	gaagtatggc	cgggcacggg	ggctcacgcc	99000
tgtaatccca	gcattttggg	aggctgaggc	aggtagctca	cttgagggtga	ggagtttgag	99060
accagcctgg	ccaacatgat	gaaacatgt	ctctaccaa	aatacaaaaa	ttagccaggc	99120
gtggtggcac	atgcctgtaa	tcccagctac	ttgggaagct	gaggcaggag	aatctcttga	99180
accaggaag	cagaggttgc	agtgagctga	gattgcacca	ctgcactcca	gcctgggtga	99240
cagagtgaga	ccctgccaaa	aaaaaaaaaa	aattattata	tatctccagc	ctcacgaggg	99300
gctgaggaat	acagtgggaat	catggaatcg	tgacactgca	agattaatgt	ttaaggattc	99360
aatgatttgc	aaaaagcagg	tgcataatga	aatagtttat	agttttgttg	aggcactaat	99420
ttgattgggg	tagcaaagca	cataaatgag	gggtaagccc	tagtgtcacc	aagcacacag	99480
ctgttagccc	aactttatca	tctcttctcc	taacacgtag	tcactctcat	ttaggttcta	99540
gtggagtcac	ctaaatgctg	cagtttttac	atactgaggg	ggatatcatgt	actctagaag	99600
aattcatgct	ccagcatgtt	cacaaagatc	tgctttgtgt	tcctggtaat	tgtgggcacc	99660
tccagttctg	actctgtgtc	ccttctaggt	gacagggaaa	gacgtgtcct	gcacttcgac	99720
cagcacccac	ttctgtgctt	cccggatttc	cgatgtttgg	attgctctca	tttggggatg	99780
caaggttggt	aaccacatct	gatatggtct	ctgtcaccaa	gaaaatggat	atgaagaggg	99840
aattacagga	attaacgagg	tgatgtctgc	aaagaatctt	gaactcagag	gagacctctg	99900
ttgatgcata	aacttcaaag	ccatgactgt	ttttactttt	ctatttgtat	ttgtttgggg	99960
gagaccttcc	aactctttag	actccctcat	tcagtcctcc	cccaaatacat	ctggaattca	100020
cccactgttt	ctcctattta	ttgggtctgg	ttcttaattg	atttgacaat	accagttttc	100080
ccttcatctt	ccctgcaaga	ggaattatga	ggagaaaattt	gacccagctt	tatttgttct	100140
cctaagtgcc	cttattatgt	ctcttgtgtt	ttcttcaaga	tttgggcgaa	ggtgtcctgg	100200
tgcttttcac	ccacctgact	ttctccctct	ggttggaagc	aagactggct	ctgagacaga	100260
tggcagcatt	cacagggccc	tttgaggggt	tccacctgtc	tcacagtgtc	tcccatactg	100320
ccccaaatct	ctcaccatta	gactcatttg	tctctgttag	atgggcaaaa	gtagaatatt	100380
atttccagaa	ggtagaggat	acctgcatgg	agcactgagg	atggtcctca	gaacaggaca	100440

gctggttttc	agcttaggga	gacagagaac	tggtgctgag	gggtacaggg	cagtcctgat	100500
tccataaaca	agcaagtcct	gcctgacagc	agactacctg	ttgactatca	gggcagagag	100560
ttctggttga	ctgattactg	gcagaggaaa	aggaggagtt	tttgtagaaa	taagtaccct	100620
ttaagggtaa	actctggccg	ggcacagtgg	ctcacacctg	taatcccagc	actttggggag	100680
gctgaggttg	gtggatcact	taaggtcagg	agttcgagac	cagcctggcc	aaacatgggtg	100740
aaactctgcc	tctactaaaa	atatagaaat	tagctgggtg	tggtgggtatg	cacctataat	100800
cccagctact	tgggaggcct	gaggcaggag	aatcacttga	acctgggagg	cagaggttac	100860
agtgaacca	gattgcgcca	ctgcactcca	tcctgggcaa	cagagcgaga	ctctatctca	100920
ataaaaaaaaa	aaaggggggg	taaactttac	ccacttcacc	actaagaaag	tattagaagt	100980
tgttgcttgt	gaggaacagg	tttaggggta	ggccagacta	gggcagggaa	acattccttt	101040
ttaactatgt	gcaaatatta	ctttgacaga	aatatTTTTT	aaaagaagac	tctaggaagt	101100
gaacagctct	tgatctccag	aatcttgcta	atgggttaaaa	aaggagcttt	agttgtgaca	101160
gatcaggggt	tgaatctgac	tccgcccctg	gctagccaac	cctgagcctc	atttaacctc	101220
tctgagcctc	agtttccaaa	ttttaaaatg	cggatgatga	taatatcccc	tcagaactgt	101280
tctgtctcta	aagagttaat	gcatgttaag	agttttcagc	cgctcctggg	ccatagcaag	101340
agctcaataa	atgttagata	ttattattac	tattcttcca	ctgcccccta	gacacttctg	101400
gaaaatacat	tgctctgtt	ggttccttga	gtccctgtag	aagagtgtgt	cctccctagc	101460
ccagaaaagg	agcacttccc	ccatagctac	ttactttgtg	actcaatttg	atttattttc	101520
tccattgcct	tttatatact	ctcattttcca	ttctattttta	ctgtaatatc	tttctgtagg	101580
aaaaagaagg	aaaaggatgg	agcatcagga	aacttactga	gccagacccc	atagactccc	101640
tggtcagtga	gaagctcctc	aggaggaccc	caatctccac	attgagtcct	aggacccctg	101700
ctctctgtca	actgccccct	acccacact	tctcagcagt	taaggccagt	gatatgcaag	101760
gatcaaatat	gactcactca	gacaccagcc	aggaatgtat	agacacttga	ttcacacca	101820
tttccccctt	aacaagaatt	ttaatggaat	taaaaacttt	tagtggaatc	atatctgaac	101880
atttcaaaaat	cacagaatta	atttcatttg	ccttttatta	aattagcaat	gatccaactc	101940
tgctgaatac	cacctgatgg	cgtcagttac	ccaaaagtgg	ggcttccctg	gtctcctgac	102000
ttatgtgtcc	tctagtcatt	gaagatctca	gggtggccac	atttggcctt	caggccccat	102060
ttgggacact	gggcattagg	ggaacctgga	aggatatctt	tccatgctga	ctccttccct	102120
tctggcacag	ccagttctcc	aaaatatgtt	ctttagtgtc	acccatgaag	gtggagtgtga	102180
ccacgtcata	tgatttgagg	gtcaccagca	ggtgtcctgc	tgatacctga	ctttattttc	102240
attattagtt	ctccctctga	atcccacagt	cccaccccca	cctcgtctcc	catggcatct	102300
tcacgttctg	agtcatcaac	atgaacattt	ttaggctggg	cgcagtggct	catgccggtg	102360
atcccagcac	tttgggaggc	taaggcggtt	ggatcacctg	aggtcaggag	tttgagacca	102420
gcctgaccaa	catggtgaaa	ccccatctct	actaaaaata	caaaattagc	tcagcatggt	102480
ggcacaaggc	tgtaatccca	gctactcggg	ggctgagaca	ggagaatcgc	ttgaaccggg	102540
gagacggagg	ttgcagtga	cagagatcat	gccattgcac	ttcagcctgg	gcaacaagag	102600
cgaactcca	tctcaaaaaa	aaaaaaaaaag	aagatttttg	tgcttacctt	aaatctacct	102660
accagaccaa	gtgttaaaaag	ccaggaccat	gacttctttg	tgctactatt	ttctgcccta	102720
cacgtactat	ggcactgcac	acatagtcag	aaagggtgaac	ctaattgaat	ctatgtgtta	102780
tgtattattg	actaaagctt	tgatttctgt	atgaatgcag	ctcctgtgga	gggggcagca	102840
ctttaagggtg	ctatgagtta	ttttctcctt	agtacaaatg	acaactctga	gagcaggttt	102900
atattcatag	gaaagagaac	agaatagggc	cctgggttcc	ttgtagggga	gcaagaaatg	102960
tcacaaaaag	ggtgagaact	atagatggag	ctttcgctgt	ctgtgcctgc	cccacagtct	103020
tgcttgggtc	ccagcctgcc	tttgttctcc	ccttttttta	cccttcatct	cccataaaca	103080
ctcactggca	tggagccgct	gctagcctgt	agagatcctt	tgtgtaaatt	ttttgaaggc	103140
ccatcccctt	tagtcagatg	cagtcttgca	ggtgcaaggc	ttggcaagca	gatgggtgct	103200
ttgggcaaaat	tagagaaaaag	agcccccttc	tatgggcact	accctggctg	tggcacatga	103260
cttgacaagc	agatcagagg	tcactttcag	cttcctgtgt	caccctcagc	tttgagcagg	103320
gcaacaccag	acaatggctg	tggtagcact	cactatcaga	ggttctgtgg	gcccactgtc	103380
ctccaagtgc	ccaacagctc	tttctgtagg	gatactaacc	caccacatg	atcctgtcct	103440

atgccttgtc	tcagaagagt	cttattttaat	ggctgacttg	ctgacttctg	ataaactaat	103500
tctcagcaaa	ggagaggaaa	ataacattta	ttaagtatct	agtaggtata	aggggctgcc	103560
ctgagggttt	tcttatgtga	tatcttagta	aatcctcata	gcagtcctta	aggtaggtat	103620
tattatccta	attttacaga	tgaggaaatt	ggttgcaaac	ctactgctca	ttgacctctt	103680
gttccacttc	tctgagcctc	cgtcacctct	tcacccccca	gggtctgctc	ctgctgtatg	103740
gtgcctacct	ggctggcctg	actggccatg	tcagctcccc	tcctgtgaat	cagtccttaa	103800
ccatcatggg	gggggtcaac	ctccttgtag	tggctgctgg	gctgcttttt	gtagtcacca	103860
gatacttgca	ttcctggccc	aacctgggtc	ttggactcac	atctggaggg	atctttgttt	103920
gtacaactac	aatcaactgc	ttcatcttca	ttccccaggt	atggattttg	cagggtgggt	103980
cctcttagtc	actctagagt	ttttcactga	caaatgtgtc	attttgtttt	ctactgatac	104040
ctttccatgc	cacttattgg	agagtcagaa	agcagacagg	ggatcctagt	gagctgggtg	104100
cctttgtcct	ttctcactgt	cctggtcagc	aagggggaca	aggcagagtg	gtccaagcag	104160
tgggtggcagc	ccctgtttgc	actcttccac	acctgtgggt	cctgtccctt	gggggggctg	104220
cctcgagtc	ctgctttttc	atccaccctc	tggctgtctg	cactcgttcc	ccatcctccc	104280
ctcattttcca	tcatgttatt	actattttct	tcactagcct	gggagcaagg	aacctttata	104340
ttttttccaat	tggggattgc	agactcacag	gaaaaaatcc	atttagatgg	aactttatga	104400
tttaaagtgc	ttttcttttc	tttttattgg	aggaaaatac	agaacatttc	tctgcttttt	104460
acaataagga	gaggtagaaa	ctaaataaaa	atatgtttca	tattatgggg	attttaaaaa	104520
atcaaatgag	ggaggaagac	agaagcagaa	atagccagat	agcaaagaag	aaaggtagtc	104580
agaggggaaca	gagaaggaat	cctaggctca	gaaagcaagg	ggatgtggga	ttgttcatgc	104640
tacaccctgg	ggaccatcaa	gccacatata	tctagggttaa	tgaacttggc	actaggtact	104700
ttcttgtttc	cctcctagtt	ctccttttct	tccctctgag	acctccctca	tcccactcct	104760
ccttcaagac	cctgtcctga	ttcccattgc	aacttccagt	tgactgtaaa	ctaattcctc	104820
atgatggagc	taactgataa	tgtaatgttt	ggctgatggc	acgttacagt	gtatttgtga	104880
aaggggaagag	tgcacttttg	gtcatgatgg	tatgacatgg	gcatagccct	gttacgattc	104940
ttctctatca	caaatcctca	ttacagtact	caacagaata	cataaatatg	gaaaaatctg	105000
cagcagcagc	actagaaacg	atggatggct	attgcctctg	tgccagaaac	tggaggaatt	105060
tttgccaaat	cttaatgccg	taaaaactgg	aatgaaggaa	gccatttaga	gctgaggcct	105120
gtttgtctgg	gatgaggcag	aaatgggctc	tgagaagcaa	ggactgtttc	tccctggggag	105180
accgggggcg	ggggcggggt	gggtgggcag	gggtaagggt	aggcagggtc	cttttgggaa	105240
gcccaccctc	taggccctgc	agccaatatt	gttggattgg	tagcgatcaa	caatgcagag	105300
aactgggtgct	gaagggtaca	aggcagtcct	gattccataa	acaagcaagc	cctgcctgac	105360
agcagcctac	ctgttgactg	tcagggcgga	gaggcctggg	tgactgatta	ctggcagagg	105420
aaaaggagga	gtttttgtag	aaataagtac	cctttaaggg	taaactctgg	ccaggcacag	105480
tggctcacac	ctgtaatccc	agcacttggg	gaggctgagg	taggcgtatc	acttgagggt	105540
aggagttcga	gaccagcctg	gccaacatgg	tgaaactctg	tctctactaa	aaatatgaaa	105600
attagctggg	catgggtggg	cacgcctata	atcccagcta	ctcgggaggc	tgaggcagga	105660
aaatcacttg	aacccgggag	gcagagggtg	cagtgaagcc	agattgcgcc	actgccctcc	105720
agcctgggca	acagagctgc	taaccccttt	cttccttgct	tgcttgactc	atagagacag	105780
caacagctag	actcttcttt	tgccagcttc	ccatagagat	aggagtgcct	atatgacacc	105840
attttgaaaca	ctagagggtt	tctgagaagc	ttctgagaaa	gcttttgctt	tcctgaaaaa	105900
ggttataagc	atggctaaca	tcaccctttt	taccttcttc	ctgccttgaa	tgtatgtgat	105960
tcctagagct	atggcagctc	tcttgtagaac	ataaggaaaa	gactaagaga	atatagttat	106020
aatactagga	agatacagct	ctttccatgt	aagattataa	attctggagg	aaatgatcta	106080
tgaagggaat	ctgcagttca	caagaagagg	actacaaatg	tctaaagatt	tagagaagct	106140
gccttcctct	ggagtagaag	tgttttagaag	ataccggact	tgtcaataga	attcaaagga	106200
tattgtctct	tctcaactaa	agcaaaactat	catgaaaaaa	agctaactct	aataaaaatat	106260
tgaataagga	ttaaaaatat	ggtatttaa	ttaaaaatccc	aatagaagca	ttgactgggc	106320
aattagacac	tacaaaaatat	tgaattagtg	aattacttta	aggaaacaga	aaataaggaa	106380
acaaatgaga	gactagataa	gaaaatatgg	aaaatggcca	gatgcagtag	ctcatgcctg	106440

taatcccagc	attttgggag	gccgatgtga	gcggatcacc	tgaggtcagg	agttcgaaac	106500
cagcctgacc	aacatggtga	aaccccatct	ctactaaaaa	tacaaaaatt	agctgggcgt	106560
tgtggcatcc	atctgtaatc	ccagctacta	gggagactga	ggcaggagaa	tcgcctgaac	106620
ccaggaggca	gaggttgcag	tgagccaaga	tcacgccatt	gcactccagc	ctgggcaaca	106680
agagcgaaaa	tctgtctcaa	aaaataaaat	aaaaagaaaa	aaataaaaata	tggaaaacat	106740
ctaggaatac	aattgagagc	tgataggagt	ctctgaaaga	gaacaaaata	atttggggca	106800
gaagtcatta	tcaaagagct	atcagaggaa	aatgtttctg	aacaaacaaa	gccttgggtca	106860
gaaaactgaa	tgaattggca	atctccatga	tggcgccctg	cttactgctc	ctctctccat	106920
cctcacctct	caccactgcc	cccttgcac	gtaagcctca	gccacatcac	ttcccccttg	106980
cctgggtgtt	gagtcctcag	cagctaggac	aattgtgaca	tctgggtact	ctacacacaa	107040
aaatgcagaa	tgaagtgtcg	cttgaaatct	gccttccagg	ttttcactaa	gcaacaaaca	107100
cttgatttgt	tgaattggga	atggaaaatgg	aatgattatg	aggtagacga	attgggtgga	107160
tggactgcac	tggccttgct	ttccttctat	ctcactccct	ctttccctcc	tagctttctt	107220
aagcttcctt	tctcttactc	tgtctttcct	cttccatttt	ctcccttggtg	tttttttttt	107280
ttctcctctg	gaactaactg	accatgatgt	gaaactaaaa	aatataat	gtagtctgtt	107340
gtatttttagg	tttagatggg	aagtagttct	ttttcaaaat	ataaaaagaaa	ctgaggtttg	107400
ttaggtttct	gtgtgtttcc	ctctggctcc	gaggcttttg	gtagaagaac	gattctccct	107460
gtgatacttg	cactgtgtat	tcctagaaga	taatttggga	aagtaatttg	agtaaatgtg	107520
ggaaaagtggg	tgaggggaac	tatctgggta	aggggtgggg	gttgacagcaa	aacgggggttc	107580
cttcttgcca	gtgagctttc	agacatgact	gtgatggggag	gagtttgtga	aagcaaaggc	107640
acagataccc	ccagggcagc	gaggcagcgc	cagagagcgg	gtgaaatgga	tgacattact	107700
aaggagacaa	ggggcccaag	aagccttctt	tacacaggca	ctcaggaaat	gcctgagtgt	107760
ttatgccaaag	cactgaggtc	atcactagaa	gtcagccagc	cgctgctgtt	ctgacctgaa	107820
tatgacctat	cccccagccc	tctgtctcct	cagagaggca	ggcaggctcct	aaggtaggac	107880
attgttttct	ctctcctcta	accccgaag	catttcatct	gctcctccct	gaagatgtgc	107940
aggcctttct	aatctgcctt	ataattatat	gtatatgtcc	cagcaccctt	actagaccag	108000
tgagcatttt	aaagaaagct	tccttcat	gttcatgcat	gcatccatcc	atccacttat	108060
taactgctgg	gtacatgcac	ttaaacacag	agtccgcctc	taggtctagt	ggggagcaaa	108120
catgaaagga	attatcatac	atgtgttaag	agctttgaga	aaggccttcc	ccagcccatc	108180
tgagaactca	gtggcacctt	ctcagaaaat	gaggctgggc	atgggtggctc	atgcttataa	108240
tcccagcact	tttcaaggct	gaggcgggta	gatcgcttga	gcccagagat	tcgagagcaa	108300
cctgggtcaac	atgggtgaaac	ctgggtctctg	caaaaaatgc	aaaaattggc	tagacgtggt	108360
ggctcacgcc	tgtaatcca	gcagtttggg	aggacaaggc	gggcagatca	cgtgaagtca	108420
ggagtttgag	accagcctgg	ccaacatggg	aaaaccccgt	cttactaaa	aatacaaaaa	108480
attagctggg	tgtgggtggcg	ggcgctgtga	atccagctac	ttgggaggct	gaggcaggag	108540
agttgcttaa	accgggagac	aagggttgca	gtgagccgag	attgtgccat	tgactccag	108600
ccagagacag	agtgagactg	tctcaaaaaa	tataaagcaa	aaattagcca	ggcatgggtg	108660
tgcatgcctc	tgggtcccagc	taccaggag	gctgaagtag	gaggatcacc	tgagcccagg	108720
aggttgaggc	tgcagtgagc	tgtgattgtg	ccactgcact	ccagacagag	taagacctg	108780
tctcaaaaaa	aaaaaaaaaag	aagggaaggaa	gggagagagg	gaggaggagg	aggaggagg	108840
taggaaggaa	ggaagggaagg	aagatgagg	gttcgagctc	agtcttgaag	gaaacataag	108900
agttcattga	agagatgggg	gaaagtaggt	ggcatttctg	atggaataac	atcatgacca	108960
gaggcaggga	ggctagaaag	agagtagcgt	atgtttggag	caccatgggtc	tttgttat	109020
ttgaagcaca	aatggaaacc	agggggagaa	tgacaggact	ggggagagac	acacctgggg	109080
agcttctgag	gccctgctgg	accctgttaa	agagttgaca	tttagtccca	ccatattagt	109140
ttcccactgc	tgctataaca	aattcccaca	agcttagtgg	cttaaaaataa	tacaagtta	109200
ttatcttaaa	attttggagg	tcagaaaatct	gaaaatagg	ttatttggct	aaacttaagg	109260
tgtcaggaag	tctgtattcc	ctccagagat	gcaaggggag	aatctgtttc	cttgtctttt	109320
tcagcttcta	gaggccgtct	gcattcttgt	gcttattgtc	ccctcctcca	ccttctaagc	109380
cagccaggtt	caaatctgcc	agaagagatt	caaatctttc	tctctctcgc	ccctgtttcc	109440

attgtcacat	ctccttctcc	aactctggct	ctcctccctc	cctcctataa	ggattcttgt	109500
gattacattg	ggcccacttg	gataaccag	aataatcacc	cctcttgaaa	tccttaatta	109560
catttgcaaa	gtcccttttg	ccacataagg	tcacatattc	acaggctcca	ggaattagga	109620
tgagagagaa	catctttgag	aagccactgt	tcagtctgcc	acaccccat	agcccagagg	109680
ctcagaaaac	cagaatctgc	ctgtccttct	ggaggaaggc	agaggagagg	ccctgaattg	109740
tgaaattcat	agctggattc	cagaaaccct	gaagggttga	gccttaagga	gtatcttcac	109800
aaatgaggaa	tgaagggtca	gagtaatcaa	ggggtatctt	ggctccactt	ggccaattta	109860
gagacaggaa	gaccaaaaagc	cctgggagggg	cccttacgcc	agtgtctgagc	tgctcctctg	109920
ccagccctgc	agagaggcct	cagtctggga	gtgtctggggg	agatgaagga	aaagctgtac	109980
tgcagcactg	ccagggtcag	tgtgaggaga	ataaccctag	gaggctctgat	tcatccaccc	110040
aaggccacag	atgaccttgt	gttgtttggct	ccagtagctc	ccaagtagga	tggtgagctg	110100
agagcatcct	ttcgtgggga	gggggccttc	aagaagggca	tctgagaggg	gaggtaggag	110160
gcctgaccca	acacagggtca	cacagactcc	tggtgcgatg	atggactcat	gatgagtcag	110220
cagaggaccc	aagaggactt	gggtgataat	atcaatttca	gtggcattga	aattgatggc	110280
aggattcaga	atcctatctg	agatttacaa	aatttgggtt	acactccatg	gtcggagctt	110340
aacaaatgtt	tgatggatga	gtaaagaaat	cccaggatcc	ctttgaggct	acccatagac	110400
actgcagcat	catttctaga	atcaagggtcc	cagggtcccc	agtgtccatc	actaggacac	110460
ttagttatgg	ggattcctga	gaggaaaaca	gaggccttcc	ccactgtggc	ttcctgcgtc	110520
actcacatta	ctgtcattcg	gtgggtcagc	agtacccac	agactcaggc	agaggctcct	110580
gtttctatgt	tcagcttcat	tcctgttaaa	ctaaaccagc	ccatgcttct	gcagagtgtt	110640
cctcaagacc	agtttctcct	gaagagcttt	ccctggactg	ccaccgttaa	cagtctctct	110700
cttcatcaac	tgagtgagga	cacagacatg	gcacagtgtc	ctgcttacag	ctgttgttct	110760
gctgctaagt	ggctgtgtaa	gcttagacac	aacactcctg	agcctttcct	agtttgtcaa	110820
agaaactggg	tgatgagcta	gagcatcctg	atgtgactag	ggggcttccc	tcaaaggctc	110880
tctgagcctt	gattattgac	ttgggttaga	agttcaccca	aagggaactga	attttcaata	110940
gcagcaagca	cattgttact	gaacaaatga	aaaataatta	aatagctgca	tgcaacgaga	111000
aagtgtcatt	tgaaacttat	agtgttcagg	ttgcttaacc	ccaggatagc	tcctaactct	111060
ggcttttagaa	tgtgggtgga	gaagatactt	cagctctggg	tttctttgac	cagtttggca	111120
atgggtaggc	agatgggcta	aggctgttct	attttatcta	cctgtcctat	tcttcctttg	111180
gaaatttgtg	tttgttttta	gggtgttttg	ggtttttgtt	tttttttttt	aagattgggt	111240
ctcactctgc	caccaggct	agagtacagt	atcacacaa	tagctcacag	tagcctgaaa	111300
ctcttgagct	caagtgatcc	tcccacttca	gcctcctgag	tagctgggat	tataggagtg	111360
agccattgca	cccagccctt	tggcatttta	aaaattatat	aaccttaaca	ttttgtataa	111420
ttacaaaagg	taaggacctt	ttgtcattac	catctttgag	ccctccagag	caaagtacat	111480
tttaaggaga	gaatagcttg	cgcatgtgtg	tatctatgat	agtgtcattc	cttgggtgtt	111540
atgagaaaaga	gtgagagagt	gtgtttctgg	atgtgtaatt	aaataaataa	catgtgttct	111600
tttatctaac	agctgaagca	atggaaggca	tttgaagagg	aaaaccaaac	aatcagacgc	111660
atggccaaat	atttcagcac	tccaacaaa	agcttcata	cccagtatgg	tgaggaggag	111720
aactgccacc	cgaggggaga	gaaaagctcc	atggagaggc	tcctcacaga	agtaagctct	111780
gcccctgcct	ggaagattcc	ctgtaaaagga	tccaatcatg	catcggtggc	ccccaaggct	111840
cttatttgctg	atgttctctt	ttcctctcat	tctcccactt	ctcttaacag	caagcaaac	111900
ctcaccattt	ccaccgtgac	acgcatctac	ttcattcatt	cagtggacag	atgtataatg	111960
agtcactcct	atgtgccagg	cattgtgcca	gtgaacaatg	aacaaaagca	tggttcctac	112020
cctcacagag	ctcacagtct	agtggaagaa	atagagattc	attcatcaag	caaacatgta	112080
attatacatt	gtcataagaa	ttatgaaaga	aaaatcagag	tggtaaagaca	gaataatgtg	112140
tggtaaaggc	aagaaaaacat	aacttagacc	agtcagaaaa	gactcattga	gctgagggct	112200
gaaggttaag	tacaaaattag	ccaggcaaaag	agtacaggga	aaagtattcc	aagctgcggg	112260
aacagcattg	taaaaggccct	gaaatgtggg	ggacactagc	ttccctgtga	tacattttct	112320
ctcttttttt	tttttttttt	tttttttgag	atgaggcctc	actctgtttc	ccaggctgga	112380
gtgcactggg	accatcttgg	ctcactgaaa	cctccacctc	ctaggttcaa	gcaattctcc	112440

tgccctcagcc	tcccaagtag	ctgggactac	aggcaccac	caccatgctc	agctaacttt	112500
tgtattttta	gtagagacgg	ggtttcacca	tgttaccag	gttagtctca	aactcctgac	112560
ctcaagtgat	ctacctgccc	tggcctccca	gggtgctggg	atcacagggtg	tgagccgccg	112620
cgcctggcct	cattttctct	ttttacatag	agtagtgtct	tcatgtccaa	gatctcctgg	112680
ggtccttact	gtctttccca	gggtactggct	acagatctca	atcagcccat	catcccagaa	112740
agtccaggca	tgtctacaga	tggagaaggg	gactaaacaa	gggcttctga	atgtgattgt	112800
agcaccaagg	gagaatgagg	cagctcccc	gggcttcttt	cttctgtatt	tgagccagag	112860
ttggccccct	tcccagactt	gggcagtgtg	atgcaggcat	gaagaaagca	cgtggaaagg	112920
tttgaaggct	tcgttgactc	aggaagaagg	cacagggccc	aggggagtta	gtcagtattt	112980
tgacactaac	tgaattacat	tccatatttt	ttcagtttag	aacctatctc	aggagggtgtt	113040
atttgaaaaa	ctgggctttt	tttttaggac	tgctgcctag	gtattaatag	tccctgatga	113100
gaggatagtg	tgggtggggac	ctagaaaaca	caacagatga	agggactcag	cacaccaggg	113160
caccaccgt	tcatgcccct	ctatggttct	ggaccatttt	tgtccatcag	agtaacacct	113220
ctccatttct	ttactattaa	gtatttcaaa	gccagatttc	tttccacctg	gcaaggaggat	113280
aatattgcct	ttgatactct	gtgaagtctt	caaataagca	tttttttttc	ctggctacac	113340
agaaggccag	aaacttggct	agaacagcca	ggatagtttt	cattcacagt	cagctgatgc	113400
tggaaacagcc	aagtggactg	actcttttagc	cttatggtaa	tttgcaacgt	gctgtttgta	113460
cttctgccat	gctaccctgt	ttcccacgca	gggactcaat	ctgctatatc	caaaaagatg	113520
ctttgagtct	gcagaggaag	cccttcaatg	ggcacagggtg	cacaagtggg	aagaagctgg	113580
cctccccagt	gcacgctaca	cctggaatct	ctttcccaga	acaggccaga	gaacaagcgg	113640
ccagtcctag	ggcccgggtgg	caggtgtcag	gaggttccag	catctgcatc	cccagctcca	113700
gcattgcccg	ttagagaaac	atgagtatct	ctcctggctc	aacatatgta	cagaccttga	113760
ctctggccca	tgggtgtgag	tgctttcctg	tgcaggcccc	actccccac	tcaggccttc	113820
ctcttacttt	cccgtgatct	gggcagcccc	atcttctcac	acttttccct	cttgctcta	113880
tagccagggg	tccccccaga	agctgtttcg	gacagcatct	atcacatcta	tcactgactt	113940
ccctgtctaa	gagaaggcca	gcagacagaa	ccttccacaa	ggctgaagtg	ctttcctcat	114000
acactctgca	gccaagttaa	caaacctatt	acttttgtta	cctgaacctat	agaaacaaga	114060
ggctaattcc	atgtctcctt	atggcctgcc	ccctgtgaaa	catgcagggtg	gatgttttgc	114120
ttccctcaat	atgcaaaaaa	taataattaa	taagctcatt	gaagtgcagc	tgccgtggta	114180
ggtcagattt	cagtctcata	atggcagtg	ctcacaccac	acctctaatt	agtatgcagc	114240
catggtaaaa	acagagtccc	acttcttttt	ctggaagaag	gaaattttct	gttttaggtg	114300
atgttttctaa	atctgtcacc	agccagcttc	ttcccaactc	catgtttata	gtatctttct	114360
atactcaaag	gagtttatag	ataaggcaca	aaaagacagc	actcagattt	caccacggg	114420
agtagttgcc	atctgccgat	gggtccttcc	taactctgtg	aggctataga	ggcctccaga	114480
agcccacatg	agaatgtgca	cgatgggctt	caggaggaga	ggctgggtgga	ggaggggagt	114540
gaggtcccc	catgagatcc	tcagagagat	gcctggcaca	gcccaggatc	acaaacacct	114600
gagtgtttcc	ctattgtctca	tccattctgc	ccctgacaag	tccttgagtc	atctgcactc	114660
accagcaac	accagacct	caccactctg	cgggcagagg	gaaggaggagg	aggacaggca	114720
cacatgtgct	cagctgaaaag	tctcttctac	cttactcacc	agtccctcac	tggccctgga	114780
ctctcttctg	atggtaaaaag	aagtatactc	aaccagggtg	aaactagcaa	taccaactat	114840
cagaaaaatc	accttcccaa	ttctacaagg	ggagcagtg	atctgcttgg	agagttgcta	114900
gtcagaatat	tggactattt	tgcttaagct	actgctccct	taaaggatca	tttctaggca	114960
actctcccat	gtaaacctga	gatgaaacca	caggttctact	ctataactag	tagtcctagt	115020
tagctgttat	ggacggtata	actaggcaat	ttgtattggg	tatcctaaca	cagggaacat	115080
ccttttgttt	ctagggcata	ataaatggag	gtccaaatgc	tcatgcccag	ctcctaagaa	115140
tgatagtaac	aaagaggtag	cattttgggtg	ttcagacaag	cactttctag	aacatttgct	115200
tacattattg	ccttcccaga	accctcgacc	ccatgtcatc	tgccccaagt	ccagacgttc	115260
cctgtgaata	tctcctccct	gctctgcctt	tgaggatcag	aagtttccag	agatggacac	115320
acagtctgaa	ctagagaatc	agctgctgca	ccacagaaaag	atgtctgggc	tgcagtcgtt	115380
ccctgcaacc	cactgccaac	actcctactc	ctacttcatg	ccccacaatc	tcgcagttag	115440

gacaggcaca	cctctgcagc	tctcacctgc	cagccctctc	cggcacaact	tgtttaccag	115500
ctaacatcca	gcgagtaggc	aggtcagtag	cagaactgcc	ccaggctcct	tcgtctcctg	115560
ggctccattc	tagggctgct	gaatcaagct	agcaggggct	taagcccaac	agtcctttca	115620
tttctttgtg	cttcttcaat	agttctgatg	cttgcactcc	tttaggtgag	tggttcccaa	115680
cattttttggc	accaggggacc	acttccgtgg	aagacagttt	ttccacagat	agtgggtgggg	115740
ggatgggtttc	gggatgaaac	tgttccacct	cagatcatca	gacattagct	tctcataagg	115800
agtgtgcagc	ctagaccctt	cacatgtgca	gttcacaata	gggtttgcgc	ttctgtgaga	115860
atctaattgtc	tcagctgatc	tgatggaagc	tcagggtgga	atgcttcctc	acccaccgct	115920
cacctcctgc	tgtgcggcct	ggttcctaac	agtccatgga	ctagtactgg	tccgtggccc	115980
aggagttaggg	gacccctgct	ttaggtgaaa	tcaacagctg	atattgccac	atggtagctt	116040
tggccactca	ctcccagagg	tccagcctag	ggaggtgata	acaccaacct	gagattctct	116100
ttggccccctc	tcagctccaa	tcttattttga	ttgtcacaga	aatctccacc	cttctccttg	116160
ttcttcccat	tttctaggct	gtttagtaag	aggcaaaata	cttgttctcc	tacttcttca	116220
tccccctggag	atatgcttca	catttatcta	aatttttgca	aaagtgtgat	aaactccaag	116280
tgggaccatt	ccaaacatta	ttcagctcat	acctgcggag	tggcctgacc	ctctcagttc	116340
tgggaaaaggt	gagagggcgc	tgcaagtggcc	agcaggcact	cagactgggc	ctccttgctc	116400
ttcataagca	atgccgcaca	gtgtgggggat	gtaaggagaa	gaccaagata	atgacaataa	116460
atcatgggttg	gccttttattg	agcaccgttt	atgtcagtta	ttgtgctagc	actttacatg	116520
catcaactca	tttctactgga	gggaggcacc	tccttagaac	ctgagggtcac	cagccaatac	116580
actggaagaa	ctgagatttc	agccaagggtt	ctttgaaagc	cacaccttct	ccaccatggg	116640
gggcactatg	gaaccctcgg	cggcatcttt	tgttgatggg	tttgctttta	ttttacagaa	116700
aaatgctgtg	attgaaagcc	tgcaaggaca	agtaaacaac	gccaaagaga	agattgtgag	116760
gctgatgtca	gctgagtgca	cctatgacct	cccagagggg	gctgccccac	ctgcctcttc	116820
cccgaacaag	gacgtccagg	cggtagcctc	ggccacacac	ctggcagctg	ctcagggggc	116880
ttcgggtcac	ctctctgact	ttcagaatga	tcctggcatg	gctgcccggg	attcccagtg	116940
cacttcagggg	ccctcctcat	atgcacaaag	ccttgagggg	cctggggaagg	actccagctt	117000
ctccccagggg	aaggaggaga	agatatctga	ctcaaaagac	ttttctgatc	atttagactc	117060
agggtgtagc	cagaagccat	ggactgagca	aagcctgggt	ccagaaagag	gagaccaagt	117120
ccccatgaac	cccagccaga	gtctcctacc	aganagaggc	ggctcagatc	cccagagaca	117180
gaggcatctg	gagaactcag	aggatcccc	agagcggcgg	tcacgggtta	gttcagtaat	117240
caggggagaaa	cttcaggagg	tcttacaaga	tctgggcctg	ggccctgagg	cttccctctc	117300
caccgcccc	tcttgtcatc	agcaaacctg	gaagaacagt	gctgccttca	gcccccaaaa	117360
gatgccccctc	tccaaggagc	tcggcttttag	cccttacatg	gtgaggagaa	ggcgggcagc	117420
tcagcggggcc	cgctcacact	ttcctggctc	tgcacccctca	tctgtggggc	atcggggcaa	117480
caggactggt	cctggggcac	acagcaggct	acatgtgcag	aatggggaca	gccccagcct	117540
ggccccacaa	actactgatt	ccagagtacg	aagaccttct	tccaggaagc	cttcactacc	117600
ttcagatcct	caagacagac	caggtagcct	ggagggcagc	aaacaaagcc	agacagagcc	117660
caggggggct	agaggggagca	aagcagcctt	tcttcgccag	ccttctgggt	ctggccgggc	117720
cccaagtctt	gctgccccat	gcctctccaa	agcctcacct	gacttgcctg	aacagtggca	117780
gctgtggccc	ccagtgccct	caggctgtgc	ctccctgtct	tctcaacaca	gctattttga	117840
tactgagtcc	agcagctcag	atgagttctt	ctgccgctgc	caccggccct	actgtgaaat	117900
ctgcttccag	agctcttctg	actctagtga	cagtggcaca	tcagacactg	accctgagcc	117960
tactggggggg	ctggcttctt	gggaaaagct	gtggggccgc	tccaagccta	ttgtgaactt	118020
caaagatgac	ttgaaaccca	cgtgggtgtg	aaaagcaaca	gagctgggtc	agacacagag	118080
gtcagtccaa	gagaagctgt	accaaggccc	acaggagaag	agccaatttc	tggtctttgg	118140
ggaacagatt	agtgccctgc	atttgaccag	cccataccat	gtttcagcta	ggctcactgt	118200
gttactttga	gtacttcttg	atctataaaa	agagaggcat	tgctgtctct	gttactacct	118260
cgcagccctta	ctataaaaaga	ctccagttga	gtgactatga	aagacactga	ctccttggat	118320
aaaagggtgct	gaatgaacac	ataggatttt	ctgtccagggt	cagcctacat	tctgtaaaac	118380
tcttaatatata	ttcagatgga	tggctgaatg	gacagacaga	tggagagatg	catgggaaat	118440

ttctgtagaa	cttgagggtgt	ggactgtgac	ccatcaaact	ggccttttgg	tggacagacc	118500
taccaggaag	ataagtctcc	tacatccttg	ggcctcccac	tcctggaagg	cagtggtttt	118560
atttctgctg	aatgttgtga	acagcacctc	cctagattcc	agcttctggc	cagaccagc	118620
tcagagccac	ccctacacca	ctatttcttg	atgggtgtctt	tccaccatta	tggcacttta	118680
ccctcctctc	tgagacagat	ctccatgcgc	ccgcaggctt	cccagatctc	tcccctggga	118740
tcggatgtac	ctgaggtcct	gactgtcccc	actgtcccct	tgtcctgtgg	ctcatcctcg	118800
attcaccac	tgatgcagtt	ttgtactgcg	gggaggcaca	caccagcaat	ttctgttggg	118860
gtatgggaga	acctgttggg	caagagtgtc	tttggttcca	ttggggttac	atgactacca	118920
acagacacat	aaacctggaa	gccaaatgga	gaaataaaaa	ggaagacacg	agggacacga	118980
aaacaggaaa	gaaaacagga	tttgaatatt	tcacttgagt	ccagcatagt	acttggcaat	119040
atcatatttt	tgtgattcct	tttgataacc	ctgtgaagta	gacactttca	tttttacaga	119100
caaggattat	gaggcttaga	gaaatgagg	agtttcccgc	aacatcacac	tgctggacag	119160
agatgtacac	acagctcctg	ggactcaagt	aggtgggttt	tcccaggggac	acatggcttc	119220
atgtgttctt	ctgggaatgg	cagggtgacgc	ttggcagacg	agacaacaaa	gcaaggctca	119280
tgtaaaaaag	ctgggatgtg	ctccccata	gtccagaata	atagacctgg	gtcctcacct	119340
caggaaacgg	gcctccactt	cctcactgcc	aaaggccaca	ctggcacctc	ccaagggagc	119400
tggggagctg	gtgaaggatg	agtgcgagga	actcagccac	caccagagcc	acagggagag	119460
cacacctggg	tccactgtgc	ttattgtctga	gctggctgtc	atgtccaggc	tgtcccctgc	119520
cccgagtcct	gtgtatacat	ctgtgggtgt	gcacatgttt	gcatgaagga	attcaggcct	119580
tattaaatat	tctcagaggg	gggcatttgg	ctctaaatgt	atcatcaatt	tatcatggaa	119640
tcttgggggc	tgctgacacc	cctggactct	ccaggcactg	aacatgagg	ccctcctgga	119700
agcacagctt	cttctatcat	ctacttttaa	acaggaattt	cctaatttat	tctgtgcatg	119760
ggtttgcagt	ttcttgtgct	gtgtgtgtgc	tgtccaagtg	gtaccataat	aaaagagaaa	119820
tgactcccga	gaggagtctt	ttcagaaaact	gtaatctggg	gctggccagg	aggggcccgg	119880
agaaggctga	cccacccaaa	gaagggggaac	cagagaagcc	atcagagctg	ctgccgggct	119940
accctgggtc	ccagtgtacc	ttctaccaaa	gttccatttg	aacagattct	tctgtgttct	120000
ccctaagaag	cctcttatcc	cagaaacact	ccctcaatgg	acataggaaa	ccctggagac	120060
cctggactct	tcctgcccct	gggggtcctg	tggctgggct	ccccctcctg	cagctccctt	120120
cctcccagca	tgccaccact	agcagcccac	cattcattca	tgtggactct	aaatctggca	120180
atccttctag	ccttctcact	ctgtctgctt	ctagaacctt	agtcccacca	tccccgccct	120240
tctacatctc	catccttctg	tttagaattt	tttttcccac	tttgtgccct	tgtgaattat	120300
tcaccttca	aggctcagg	ggagcataca	ttctttcttc	aacctttccc	agccatcccc	120360
aaagaaaagct	gattgattcc	ctagttaa	aaggaaggat	gggctggaag	cagtggctca	120420
cgctctgta	atcccagcac					120438

<210> 12

<211> 120438

<212> DNA

<213> Homo sapien

<220>

<223> E529D GPR156 isomer GAC genomic DNA

<220>

<221> variation

<222> (117154) .. (117154)

<223> n is a, g, t, or c

<400> 12

ggggaccgtg ggcgtcctgc acatagcagc gggcttggcg cttctcggcg gtccgacgct

60

gatgagggtga	gcacagcgac	cttaaggatc	cacaaaaactt	caaacactta	attattaagt	120
gaaagtggaa	agggggaggg	gctttctctc	cctttccaga	atctgggcag	tttgtttgga	180
accggtaaaag	aaactctcat	aggaacttga	ggtgagcagg	ggtcacgcat	cagggatgcg	240
agtggcaatt	tcagtgggaag	agacggggaga	gtactgtaat	ttggtgtgaa	gatggggccg	300
tgggttttct	gctgaataag	cgaccggctg	tgctgaaaat	gagagatccc	gaaacagttt	360
cccaccgcct	gtagactttc	cagagtctcc	tcacgccgaa	tctgctttgc	agggcatggt	420
cacccccagg	gtgtagagtg	gcgggcacga	tgggctcccc	catggagatt	gcaaagtcct	480
gaaaagggac	aattgtattg	cactgcgtct	gttgaactgc	cttgcttctg	ggcatgaggg	540
agtcacctgg	aagctgcaac	atccttgtac	cctggcaagc	agccctttcc	aagttagctc	600
tgtcagaaac	tagaggcctc	taggtagaac	tcaaggatc	catgtactcg	tgaagaatac	660
aaaccttgag	gttttttaaaa	tcgaattttg	ttaagatttc	aggatagaaa	tctgggaaga	720
gaagtcatgg	catggcataa	cttaccctt	tgttagtttt	ctaggtacat	gcatgcttga	780
attagaggta	aatgatgccc	tagcctatca	taaaatgtct	ttcctggtgt	agttctttta	840
accagaatat	ggaggataac	attacatttt	tgcatcctag	ataaaaaggga	aagattttca	900
gatggggctt	acacagcggg	agaaattgtt	gatatagttg	tattaggcag	caaggcctgc	960
aaagaaaaac	ttctttttct	ccaccagtgg	ctgaattctg	cacagaatgt	ctcctcgag	1020
tctgggtagc	agcccggtt	gcaaaaacag	tgcttctttc	attgctgcag	gtggggcaaa	1080
tgcgcttgcg	gataaatggc	tggggaagcg	tttgcttaca	ggttaaggca	atttgagtct	1140
ggagaataaaa	gtgcttttagc	aggctgtgct	tgagttaggt	gtcccttggtg	aggaatagag	1200
gtggctttct	gggtcccat	ttgccagcct	aattccctt	cagggacact	actgtctctg	1260
gaatgttccc	tctgtttccc	cttctcttcc	acccccagct	tttagcttct	ccccattccc	1320
cagtaaaagtc	tagaattgag	cctggtcaga	gtcaaagttc	tgatagccta	gggatataga	1380
acttcaagcc	tgggtgaaggc	agaaatgaga	cctaggagag	acccaagatg	ggtgagatga	1440
aacaactttc	agcctagaag	gctctcaaaa	gagtggaaaa	ataatgattg	agggaaacag	1500
attctctgga	aaggagaata	ggtgcttaag	tgtttgtttt	cagctgaggg	ttttaatatt	1560
tccatttttg	ttgtttaacc	ataagggaat	ttccattata	gggtaggagg	aggatgaggc	1620
cttctctgaa	aactgcatcc	ttctccttga	atttgcattt	tattccattc	ttatgtaggt	1680
ttcagagatt	aattggggga	agggggagag	aggaaagaag	ccagaggctc	tgacatgctg	1740
cagaaacagt	gcaacgtgga	ctgacttggg	ctgcaaaggt	ggatttgggg	gttgaaagaa	1800
atgttctaca	tttagttgaa	aaaaaaaaaat	cagagccttt	attttgcaaa	ggtcttgaga	1860
atcagaacat	tcagtgttag	ttgctgatga	attttgcctg	ataaaggatg	caaatcacta	1920
tctcaccttt	ttttctccag	tactttatta	tgaaaaattt	tagacataca	gagatgtttt	1980
ctacctctca	ttttataaac	ttattatctt	aaaacaaaact	tgtaataaaa	aatcagtgtt	2040
tagaatccag	acatatgtga	tctggtcctg	gacagagctt	gaatcagaag	gtgtttcaaa	2100
tatagatgtg	tgaaggatat	taacatttta	agaaaaaaat	atggatctta	ttcttctgac	2160
tttcccataa	gaatcttgag	cagaccctt	aactgccttc	tttttcccat	tcttaaaatg	2220
tcagtcagtt	ggatgatatt	actctcctgc	ttaacaccct	ccaatggctt	cccctcacac	2280
tgtgaataac	attcaactct	ccaccagggc	ttgtgatattg	gtctgggtgcc	ctcatattct	2340
atggccgtcc	tcttgcttac	catcgtcctt	gctcttccct	ctgcctgaac	actcttcctt	2400
cagacactgc	cactgcttct	tttctcagct	cattccagtt	tcttttcata	ctctccagaa	2460
tgatggccac	ctgatctaaa	acagcctgtg	gtcactccct	gtcttctgac	cctgctttat	2520
ccttcttcat	ggcacttagc	actccctgac	actatatagt	atatgtgttt	ccttgttaat	2580
tgggcatggt	ccccactcta	atgtaaactc	catcaagaca	aggaattttt	ttgtcttatt	2640
tatggctgtg	ttcctatttg	gtatattatg	agcaattaat	aaataactgt	tggattaatt	2700
aggtaactaa	attacacaaa	taaggcattg	actcccataa	gggtggcaga	acccttggtg	2760
aaataactaga	agtcctttga	ggtaattcat	aattcaagtt	aatcaatatt	tgataggtaa	2820
atgatgaccc	tggagatcag	tggcctcttt	tatcctcaca	gcacttctca	gctgaatcct	2880
atgctaatag	ctggccagtt	ttgacaaacc	cacatcccaa	acaagacata	aaatatttca	2940
gtcacagaac	ttttcctcac	gtctctttct	agtcacctcc	acccacaga	agcagcaaac	3000
cttgttctga	tttctaatat	catagattag	tgttgctggt	tcctgaattt	catataactg	3060

cagttacaca	gtatgcactc	ttgtgttttg	cttctttttg	ccctacacaa	tgtctgtgat	3120
attcatctgt	gccatttgtt	gtatcagtag	ttcattttct	ttttttccaa	ggtagtattt	3180
attgtatgaa	tattgaccat	gtgtttatct	gttctcttgt	tgatagatac	ttggttgttg	3240
ccagtttgtg	gcaattttga	acaaaagctg	tgtgaacctt	taaagggctt	gcctcatctt	3300
gagtccttct	tactttatat	gaaaaatctt	cttgtgccac	caatgcagag	agaagtatgg	3360
caaggttatg	ggggctgtga	ctgatgtagc	agcttgcatg	taccccagcc	agtgtctctt	3420
ctagacagct	ctgctgggag	ctgacctgct	tcccacttta	gagggaaagc	acttggaaaa	3480
tgagtgtcta	acaaattagc	gagccctcca	gtgcactctt	aagtgcctta	aatccttgaa	3540
agagacactg	tggaatgcct	gctgccatca	ctgttgattt	tccctcctcc	tctcagcttc	3600
cccattccag	cacaagttga	ctctaatacg	cttctgagca	ttatgctact	gaggggttta	3660
aacattcatg	agcaagagtc	ttgttcagag	cctgataaaa	tattcatgtg	tttccatggg	3720
gcattgggtt	ccatctagac	ttctcaaggc	atttttctga	gatgcatgtc	gtaattgtga	3780
agaactcaga	cagtgatgga	tgatacggcc	ctgtgttatt	aaaccctacc	acacagagca	3840
ccttgctttc	tagggatgga	gaagaatgag	cacacagaaa	aattgacatt	aatcctgtct	3900
agatcaagag	aaaggctaca	tgtactgata	aaaatggctt	gagtaaagag	gggcctgtta	3960
atatagtacc	aacaaaaggta	tgaatccata	gaggagagtg	aaaagaactt	gttaaaatga	4020
gaggaatgct	gggatgcagt	cattccaagt	ggaagaatgg	gggaatcagc	attgtaaaa	4080
gcacagttcc	tttgacactc	atgtggacga	ggttcatatg	agacaactgt	gctgagtgtt	4140
gtaattatca	caacctgcta	tgagaggatg	agagtagaag	tggaggctag	gcagggtttc	4200
caagtagagc	cagagagcta	ttccaagagg	agtcaacatt	tctcttcaag	gaagaagtgg	4260
ctttgagtca	ggttctgaag	gaggtgtgcc	tctttgactg	gcagctgcgg	tgtggaaggg	4320
actttccaga	gagacagaat	agcatgatag	agtgaggggc	aaagtgccgg	tgtggtgtga	4380
gtaaggagag	aaggtgggtg	gatgggggtc	agggcagggt	tgcagcaaga	cataaagcag	4440
gagagctaaa	ggccagctta	tgaaggccac	aggaggatgg	acttcagtct	gtttgtctgga	4500
gggccgtgta	acttttggcc	agagattggg	ttacattttg	aggagtctct	gggaagtata	4560
tccaccctag	gcaaggcctt	gaggtatgtt	tatgtccaag	gcatttccag	aatattctgc	4620
tgtgtccaga	acactatgaa	gactctacgt	ggtctactct	aagagaggta	aaccagagga	4680
ggtcagatat	actcagtata	ctcctgggac	tgaccagaaa	caggcctcac	caggcacctc	4740
tctgccccca	gcacacaaac	actcagaata	ttctgagtca	gattgaatcc	acagcattcc	4800
ctagacttct	tcatgaccac	tttgcctcag	ctgggggagt	tgcaatgatc	taagtatccc	4860
cttatcacct	gaatctgggc	caggatacct	cagacatggg	ttgccaggca	actgagggct	4920
aagtgatgca	gctggccaat	catccccaca	aagcccaggt	ctgctttgac	caggccatcg	4980
ggctgtgacc	agagaggcaa	cttggggggg	tgaggctcatg	cagactgatg	acttgtggac	5040
acaactgcca	ggcccccttc	atatgtcttc	ttcctttggg	ttgcagattt	ctattcaaaa	5100
atgcctcagg	atgttgattt	tttaacccat	aataaaaaata	gtgaagtagg	gaggagtgtt	5160
aaacatgtca	gtcatctata	ccttatgttg	tcattgggaa	gaaataactg	tggaaacaat	5220
tgtcccggga	aagtcagtct	tcagtcttgc	agtgaggagc	tttgcatatg	tggagattag	5280
ctagaaaagc	ctggagtctt	gatggtgaga	agggatttct	tgggtcaagg	ataggaaagg	5340
gcaagggagg	accttcatga	ttctccccag	ggctttgtctg	gttggaattg	ctcttctgct	5400
gccatgggta	gcatgggggt	tcagtgactg	aaaacaccca	ggaaagtatg	ctctgggtct	5460
tcatgttgcc	atctgcctac	actggaatgt	cagaccatca	gtcagcactg	ccagctctcc	5520
atcttgattt	tctaagagtt	attgagaaaa	ccttgaaagg	gaaggcagaa	gtgggtgtct	5580
taactaggga	aatgccaaagg	tcctaaagg	gtggtctagg	ttgaagggtg	ggtaagggcc	5640
tgaagtcatt	ggctctggcag	tacttcagac	caataaagtc	tttcttggct	cttatctaaa	5700
atattcctga	ttttctgtgt	gaggtggaat	ctctcaagtg	ctgcattaat	cagtcttttg	5760
gctgaacagg	taaaatagggt	gcatgcttaa	ttgagtgcct	tttctttttt	taaagtittca	5820
gcttttattt	tacattaaga	ggatacatgt	gtaggattgt	tcatgggtaa	attggaccca	5880
ggcataagca	cagtacccaa	taggtagtgt	ttcaacccat	gccccctccc	tcccttcccc	5940
ctgtagtagt	ctgcagtatc	tatctttcct	gcgtttatgt	ccatgtgtgc	tcagtgttta	6000
gctcccactt	ataagtgaga	acatgtggta	ttttgttttc	tgttcctgca	ttaattcact	6060

taggataggc	ctccaactgc	atccacgttg	ctgcaaagga	catgatttca	ttatTTTTTTa	6120
tcctatggtg	tttatgtagc	acatTTTtctt	catccagtac	actgTtgatg	agTgcctagg	6180
ttgattccac	atcTTtgcta	ttgtgaatag	tgctgtgatg	cacatatgca	agcatgtgta	6240
tttatggtgg	aatgatttat	atttctttga	atatataccc	agtaatggga	ttgctgggtc	6300
aaaggtagct	ctgtatttaa	gttttttgag	aaatctccaa	actgctttcc	acagtgggtg	6360
tactaattta	cattcccacc	aacaatgtat	aaatgttccc	ttttcttcac	agccttgcca	6420
gcatctgttg	TTTTTtgact	ttttaataat	agctattctt	actgggtgta	gatggtatct	6480
tattgtggtt	ttatttgcac	ttctctgatg	attagtgatg	ctgagcatgt	tttcatgtct	6540
attggccaca	cttgtagcc	ttctTTTaaag	aagtgtcttt	tcatgtcttc	tgcccacttt	6600
ttaatggagt	tatttgattt	ttgcctgttg	atttaagttt	cttatatat	ctggatatta	6660
gacctttgtc	agatgcatag	tttgtgaata	ttttctccca	tgctgtagg	tgTTTactct	6720
tttgatgggt	tctcttgctg	tgcagaagat	ctttagttta	attagggtccc	acttgtcaat	6780
ttttgttttt	gttgCagttc	tttctgggga	cttgcccata	aattctttgc	caaggccaat	6840
gttgataagg	gtatttccta	ggTTTTcttc	tatgattttt	atagtttgag	gtcttatgtt	6900
aaatctttaa	tccattttta	gttagttttt	gtatatgggtg	aaaggtaagg	gtctagtttc	6960
attcttctgc	atatggctac	cagttatccc	agcaccattt	attgaatagg	gagtcctttc	7020
tccattgctt	gttttttgtc	agccatgttg	aagatcagat	ggttgtaagc	gtgcagcctt	7080
atttctgaat	tttctattat	gttccattag	tctatgtgtc	tctTTTTgta	ccagtaccac	7140
cctgttttgg	ctactctagc	aaattctttg	gaattaaagga	aaataggggac	acaatttatg	7200
aagacctctg	ggatgtagcc	aaagcaatgt	taagaggaaa	gtttatagcc	gtaaatgcct	7260
tcatcaagaa	gctggaaaga	tctcacatta	acaatgtaac	tttgcatTTa	aaggaaactat	7320
gaaaaaagga	caaaccaacc	ccaactctag	cagaagaaaa	gaaataacta	aaattaaaga	7380
aaaacttaat	gaaattgaga	tgcaacaatc	catatgaaag	atcagtgaaa	ccaagaatag	7440
gctatttgaa	aaaaataaata	agattgatag	actgctagct	aggTTaaaca	agcgggagga	7500
gacagtgaga	gagagagaga	ggatccaaat	aagtacaata	gaaataaaca	agatgacatt	7560
acaactgatc	ctatagaaat	acaaaagatc	cttgagaaaa	actatgaaca	gctctatgca	7620
cacaaattag	aaaatctaga	agaaatcaat	caattcctgg	aaacaatctc	ttgagattga	7680
atcggagaga	ttgaagtcct	gaatagacca	acatcaaact	ctgaaattgc	atcagtaaaa	7740
caaacaaaca	aacaaaaaaa	acccttccaa	ccataaaaaag	ccctggacca	gatagattca	7800
cagccacatt	ctatgagaca	tgcaaagaag	aactagtacc	aatcctacta	aaacttacag	7860
aaaatagagg	agcagggact	cctccccaat	tcatcccatg	aagccagcat	cagcctaata	7920
cccaaactctg	gcagagatat	gatgaagaga	tatgattttt	gtgtctatgt	tcagaccaat	7980
atccctgatg	aacatagaca	caaaaatcct	caacaaaata	ctagcaaacc	aaatttagca	8040
gaacatcaaa	aagttaattc	accatgatca	agcaggcatt	attcctggga	tgcatgggtg	8100
gttcaacata	cacaaatcat	agtgagtcac	catgtaaaca	gaattaaaag	caaaaaccgt	8160
tatgatcatc	tgtgtcatct	caatagacac	agaaaaagct	tttgataaaa	tctaacatct	8220
cttcatgata	aaaactctca	acaaactagg	catcgaagga	acatacctca	aaataataag	8280
ggccatccct	gataaaccta	cagctaacat	catactgaat	gggcaaaaagc	tggaaccatt	8340
ccccttgaga	actggaacaa	ggcaagaatg	cccactctca	ccactgctat	tcaaggtagt	8400
gctagaagtc	ccagccagca	cagtctggca	atagaaaagaa	ataaaaaggca	tccaaataag	8460
aaaagaagaa	gatgaactat	ctcccttttg	tgacgatata	attctatact	tagaacaccc	8520
caaagactgt	tccaaaaggt	tactagaatt	gaaaaatgat	tttagcaagg	tttcaggata	8580
caaaatcaat	gtacgaaaat	cagtagcatt	tctaaacacc	aataacgtcc	aggctgagag	8640
tcaaatcaag	aacatgatcc	catttacgac	agctgcaaag	aaaaggaaat	acctaggaat	8700
atagcaaacc	aaaaaggtga	aagagctctg	caaggagaac	tacaatacac	tgctgaaaaa	8760
aagttagaaa	caacacaaat	aaatgaaaaa	atatcccatg	ctcatggatt	agaaggatca	8820
atatcattaa	aatggtcata	ctgccccaaag	caatgtatac	attcaatgct	attcctatca	8880
aactactaac	atcagtcttt	acagaattag	aaaaaactat	tctaaaaactc	atatggaacc	8940
caaaaagagc	ctgaatagcc	aaagcaagcc	tgagcaaaaa	aaaaaaaaaca	aagccggagc	9000
atcacactac	ctgagtgctt	tttctgaaca	gatatttcaa	tgattctgtg	attattcatg	9060

agccagtgat	ggctgcctgc	ttttggatgc	tgctaggata	aatgcagaag	atcagagtga	9120
agagggagag	ggaagcataa	cagcagcaga	gaggaaaagg	gaagagagta	gtgacgtgct	9180
gaaatcgag	agattgtggg	tacccagtta	tctacaagtg	agaaacaggg	ataaaagaag	9240
atcaaataac	tacccatggg	aattttacat	gcaaataattg	ctgacttcca	aggcagctgt	9300
gaggagaaaag	gaagggagga	gacacaaaagg	cagctgtcac	agtcaatccg	aggaatatta	9360
ataaaaaactt	gacacatgaa	aacacatggc	cgtatcacaa	cagcctgggt	cccagcaagg	9420
atgtctattc	aaacccctct	ttcacatttc	cttatattca	ttcacagtat	taggtatttt	9480
gcaagacatt	catttgcact	tgcaaagata	cacaaatgca	gagtacttaa	aagggtaaac	9540
tatcctaaaa	tattagtggg	gagattataa	atgattatit	gtattttttc	aacttatcta	9600
tgttttccat	gattgtttta	agaagtgtga	atttctttga	taatcagaaa	aacattaagg	9660
agaaagggggg	ttaagtaggg	aggtagagaa	agaggcatgg	ggtggggaga	gaggattgta	9720
gaaaagaaaa	atatgtttga	agatgaatga	acaattttta	aactttatgt	ttcacagact	9780
gctagcttgt	gcatattttt	ctttattatt	gaatatatat	gtttatcacc	ctcagaagat	9840
ctggaagtac	caattggcat	gaaactgaat	tgcaaatact	gagctaagta	tcacacctcc	9900
aagaccattg	ccttggccag	tgccattctg	tgtgtgacat	gtggcttcca	gtgatgctca	9960
aagtattttc	cgccaaaggc	taatagagaa	cacttcaaac	ctgggcagca	gcatctctcc	10020
cacagggttt	aatatattata	cttgtagcca	cgtggctggc	tttgtgcttc	tcacatctga	10080
agtatggaac	aggagccaac	aaaggctgtc	aatagttgga	gtagtgggat	tttccaagac	10140
aaaagcgtga	gttattctcg	tccacgtgtt	tgctggctgc	tcactggctc	aggcagcccc	10200
ttggcaagct	ctgtggctga	ggctttaaat	aaatagatgt	agtttttgtt	tcacaaccac	10260
tgaccttttc	tggaggcact	gttgattctg	ggcttttaatt	ggcttctgtt	gagtacaca	10320
aggtgaaccc	tctcttcaag	agcagaagct	cctatctgct	gttaaccacc	agcatcaatt	10380
caaagcaaat	gccagaggac	cacatacctc	actgaactct	ggggactggg	gttacttgta	10440
gttatgtctc	aataaaatact	ttttatattt	taacttttgc	atttttaagt	tgtaaaagct	10500
atacacactc	atggtaacaa	gtctagtaag	acagcagtat	ataaaagaaa	tatggccagg	10560
cgcagtggct	caccccatag	ttccaatact	ttgggaggcc	gagatgggtg	gatcacttga	10620
ggtcaggagt	tcaagaccag	cctggccaac	atggtgaaac	cccacatctc	ctaaaaatta	10680
ggctgggtgc	ggtggctcac	tcctgtaatc	ccatcacttt	gggaggctga	ggcgggtgga	10740
tcacaaggct	aggagttcaa	gaccagcctg	gccaagatgg	tgaaccctg	cctctactaa	10800
aaatacaaaa	attagctgag	cgcagtggca	ggcacctgta	atcccagcta	cttgggaggc	10860
tgaggccgga	gaatcacttg	aacccggggg	gcagagggtc	cagtgagccg	agatcctgcc	10920
actgcactcc	agcctgggcg	acagcatgag	actccgtctc	aaaaaaaaaa	aaaaaaaaaa	10980
attggccagg	taagggtggc	catgcctgta	atcctggcac	tttgggaggc	cgagggtgggt	11040
ggatcacctg	aggtcaggag	ttcgagacca	gcctgaccaa	caaggtgaaa	tcccatctct	11100
acaaaaata	caaaaattag	ctggacgtgg	tggcaggcgc	ctgtagtccc	agctactcgg	11160
gaggctgaga	caggagaatt	gcttgaacca	gggaggcaga	ggttgcagtg	agccgagatc	11220
gcaccactgc	actacaacct	gagcgatgga	gcgagactct	gtctcaaaaa	aaaaaattag	11280
tcaagtgtgg	tggcgtgtgc	ctgtaatccc	agttacttga	gagggtgagg	cgggagaata	11340
gctcgaaaata	gcttgaaccc	aggaggcaga	ggttgacagt	agccaagatt	gtgccactgc	11400
actccagctt	gggctaccga	gggagactcc	atctcaaaga	aaaaaaaaaa	gaaagaaaat	11460
ataagtaatc	tccaccttct	ctcactccca	tctttctgac	aaaaccacta	tttaaagcgc	11520
ccaggctggg	cgtgcgggct	gacatctgta	atctgagcac	tttagggaggc	agaggcagga	11580
ggatagcttg	ggccaggag	ttcaaaacag	cctggacaac	atagtgaac	tccgtctcta	11640
tgaaaaaaaa	aaaaaaatag	ccaagtgggt	ggtagtcat	cctagctact	tgagaggatg	11700
aagtgggagg	atcgcttgaa	cccaggagg	tgaggctgca	gtgagctgtg	atcatgacat	11760
tgactccag	cttgagtaac	agagtgagac	cctgtctcaa	aaaaaaaagt	tcattgttat	11820
tcacatgtca	cgatcacagc	tactgcagc	ctcaacatct	ccagctcaag	ggatccttcc	11880
acctcagcct	gccaataaac	tgggaccaca	ggcacatgcc	accacacccg	tctaattttt	11940
aaacattttt	gtagaaacga	ggtctcactg	tggtgcccag	gctgatcttg	aattcctcgg	12000
ctcaagtgat	cctcccacct	cagcctccca	aagtgtggg	attataggca	tgagccactg	12060

cactcagccc	cttcactcct	tttctatgtt	caaacaaaca	tatgagtgtg	tagacttatt	12120
ttctattgta	tgtgaaaatg	gaatcatata	tgttattatt	tcttttcattt	tatttagtac	12180
atattatgta	cattatttcta	gattaacaca	tataattgat	ccaatttatt	atttttaata	12240
gctacctaata	attccattat	aggaggttcc	ataatttctt	cccatttcatt	acttccccat	12300
tgatagatat	tcatgttttt	cttccaactt	tttttgcaca	acaacttatg	ctacaataaa	12360
cattctacat	ttattcctat	actttgggtt	ttattttccat	aggagagatt	cccaaaattg	12420
tcatttttgg	gtcaaaggga	atacacaatt	ttaattctca	ctgtaggtct	cctttacagc	12480
agttgtttct	ctcctccttt	tgtctttctc	tccccctctc	caccacattt	tgccagcagg	12540
gcctgtgtgt	ttaagaagga	aagcctgcag	tgagaactcc	tctgtgcaa	gtgtggatta	12600
tatcagctta	gtggggaaact	ggagtctgca	gtgtctcagt	tacattgtgt	ctctcttgct	12660
tttggttggc	cagactgttc	acaattcccc	ttgctgattt	attccatgct	gtggaattat	12720
acatggctct	catccgtggc	aggatcatct	gaggggtggc	tttttgggaa	gggtgtcttt	12780
tcagaaagaa	taggctcagt	tactgtactt	tctcacaaag	ctatatctgt	tatgtttttt	12840
tgttatgccc	tttctttaat	agttggattg	aaaaagggtt	ttcaattccc	atcccggctc	12900
tctgtcttca	ttttgaggac	ttgggattta	gggagtttta	tgagtatata	atcaatcaac	12960
tgtaactgat	tatttgacat	gaggataatt	agttaagaag	gtaggggtct	tggagcttaa	13020
ggatcagtg	caagcaacag	acgtgaacat	ttttaaacia	atggttttta	caaaccgggt	13080
attaggagca	agcttcccag	gagtactaag	ccttcatttt	ttaattttgc	ccttgctggg	13140
atgtaaaaact	tcagtctagt	ctaccagaat	agagaggagc	tggattctcc	accacaccag	13200
ggctggagag	gagaaaatgt	cagagaagcg	ttaaggggaag	ctggtaagta	caaataagt	13260
aaataaatat	aaacagtga	ctgacaaaat	ggcaaaaagt	gaatgaaatt	tgaaaatcct	13320
cagctgaaga	ttattgtgta	accagtgggt	ctgtgagcta	gtggacactt	tataaaaatc	13380
tgtgatctct	aaaacatatt	agatacccca	gtgtgaatct	gtgttcagaa	tacaaccatt	13440
agctaagcaa	gacagagaaa	tgataagtc	tgttggcaga	tatttttgcta	ttgacttcta	13500
taacatatgc	tgcaattttt	actcagcagc	tttggaatgg	atttctatgt	cctagggttga	13560
aaactaaaact	aaaagaaaaa	cagaatagaa	gttactgcac	ttaattttcta	aggagaaaaat	13620
tttaacttta	gtttgtgcat	gtatatgcct	gcaaaaataag	cattaccctt	tatgttaata	13680
caaacttcac	atgaatgttt	aattttcaaa	tatgcactga	ccagtaataa	tgatggcaaa	13740
attagactct	atagtaggtt	tatgttttat	aacttaggga	ttctataatg	tatcttagtt	13800
gatgtcgtag	ttaatagtaa	ggatagtaat	atcttataca	gtttgcaactg	tcgtctgagt	13860
aaagattatc	tttaaacatt	tgttcctgtc	agaaaaattt	taaggctaaa	cctattataa	13920
gatattaagc	atctgatttt	ggctataatg	gactatctgt	gagtagattt	ttactcctat	13980
acaggacatc	tagaaaagct	gagttttaaa	aatctattttg	aaggcataga	agaccttaata	14040
aggcagctag	gacttgagag	ctaagacctc	agaaagaaga	gaaactcatt	gagtgttcca	14100
aattctaggc	tactttttcc	ctgtagacac	ttaccatttt	taagtagcac	atgaggagaa	14160
cccaacaat	aagcagctgc	taaaatcaga	gaagccaggc	agattattcc	acagtctgat	14220
agggtctggg	aggaaaaaaa	aaaattgaat	tcaaggaaac	caaatgattc	aggacatgag	14280
aaaccatgat	catggacaga	aaagaggccc	agaaaaatca	actcaatagt	ctaagcaatt	14340
ttccttccaa	gtcattcact	gatttataag	tagcgcagac	caagagggtg	caaaaatcca	14400
aacacaaaaga	aggtgctaaa	aagctgagaa	gctaatacaga	gctacttgca	atcttattac	14460
actaggaaga	taaaaattat	tatagaatgt	aaagcccacc	aatgtggtat	ggcctgaaaa	14520
acaccctaag	ctttcagttg	ggactgctga	cggattatgc	ctgaccagtt	aaaggaaacc	14580
agaaaatagac	ccggtcaaat	aaaatattga	agtcattttc	ccgatcaact	tagtcaactga	14640
ttagattaaa	gtaatctgtt	cttattttta	caccctagca	taagtcttct	ccatattctt	14700
tggagaagaa	aaaatgatcc	agaacctgtg	tatttttcat	atgtgggttt	tggatttcag	14760
caaagcaaaa	caaaaacaaa	acaggcatac	caagatatag	tttccagaat	atggtacaga	14820
gagaacccag	acttcctgag	ttgagaagac	agagctcccc	atgtctgggg	agaccagggc	14880
aactagagtt	tgtaggacag	agtattggag	aggagagagc	tgcagagaga	acccagaggt	14940
tcctcacagg	gtacacctca	agtataaagc	tgagtactga	gcagcacatg	catgtaagga	15000
aactacctgg	gataaagaaa	gaactaccca	aaaggattag	aagaaatagt	gctcattgtt	15060

cacacagggc	tgggaattgt	gcctattccc	accagctaga	cttgaaaagc	tcataattca	15120
tggagggttg	ggtagtatac	tttgaaaagac	catgccttag	tagtgggaag	tagccctaga	15180
ttgagcactg	cactgatcct	gtctaacaaa	tcttttaaaa	agacccaaaa	ggaacaaatt	15240
gttccagtta	atttgactgc	atcccagaac	aaagctcaaa	actattttaga	ggtattttgga	15300
atagcagtat	tagtaatat	gcagagggaa	gaatattgcc	agggataaag	aaaatcattt	15360
cataatgata	aaggagttga	ttcatcagaa	agacataaca	gtactaaaca	tttatgcatc	15420
taataacaga	acttcaaaaat	acataaatga	gaaattgata	gtgttccaag	gaggaataga	15480
caaatccata	actgtagtcc	aaagtttcat	taaccttctc	tcagtaattg	atgaaataac	15540
agaaaataat	taggtatata	aaagaagata	aaaatacaat	caactagctt	gacctcattg	15600
atctttataa	gatactctac	ccagctacag	caaatacata	ttcctctcaa	gtgtacatgg	15660
aacattttatc	cagtttagacc	atattctgaa	ccataaaaaca	agtctcaata	aatttaaaaag	15720
gatttttagtt	atataaggtg	tgttcttgat	cacaatggaa	ttaattaaga	aatcagtaac	15780
aaaatttctca	aatatittggt	aactaaataa	catccttcag	aataactcat	tagtcaaagg	15840
agaaatcaaa	aggaaaatta	gggccgagtg	gagtgactca	catttgtatt	cctaacactt	15900
tgggaagtgtg	aggcaggagg	attgcttgag	gccaggagtt	gaagatcagc	ctgggcaaca	15960
gagtgagagc	ctgtctttaa	aaaaaataga	aaaaaaaaaat	tagctgggca	tgggtggtgtg	16020
cactcataat	cccagctact	tagctggagg	attgcttttag	cctaagagtt	tgaggttgca	16080
gtgagctatg	atcatgccac	tgcattccag	cctgggcagc	agagtgagac	cctgtctcta	16140
aaaaaattat	ttttaataaa	aaataaaggg	aaatgagaaa	atatttgggg	ctgaaagtaa	16200
aagctcatat	atcaaaaagca	gtacttaggt	ggaattttat	agtattataa	gcttataagg	16260
tggggcacag	tggctcacgc	tggtaatgcc	aacactgtag	gaagtcgaga	caggcggatt	16320
gcttgaaatc	aggagttcgg	gaccagcttt	gacaacatgg	caaaaccctg	tttctataaa	16380
aaatacagaa	aattagctgg	gtatggtggc	acgtgcctgt	agtcccagct	acttgatggg	16440
ggctgaagca	ggaggatcac	ttgagcccag	gatttcgagg	ctgcagttag	ccgagatcac	16500
accactgcac	tccactccag	cctgggtaac	aaagttagac	cctgtccccc	cacacccccg	16560
caaaaaaaaaag	cttataagaa	gaaaggtctc	agatttagtgt	cctcagcttt	catcttaaga	16620
aaccaaaaca	gaaaaagagc	aaatgaaatt	caaaataagc	agaagaaaga	aaataagaaa	16680
tatcaaagca	gaaatcaata	aactagattt	tgaagagtag	agaaaatcaa	tgaagcaaaa	16740
tgtgttttca	ttgagaatat	taataaaaatt	gattaacctc	ttgacagaaa	acaggaggag	16800
gaaaaagaga	ggagttacaa	tttaccaata	tcggaatgag	agaggtgaca	tcactacaaa	16860
ttctacagat	actaatggat	aataaggaaa	cattatagct	tttctccaat	aattccatca	16920
acttattaat	agatgaaatg	aacaaaattcc	ttgaaagaca	caagctacca	aagttcactg	16980
aagaggtagt	agagaatgta	aaagcccaga	tctattatag	acagtctcga	aagttagaaa	17040
tagaagagaa	cttccctagc	ctgataaagg	gaatctatgc	aaaacgtgca	cctaacatca	17100
tatttagtgg	taaagcaaat	agtaataata	tcgatttttt	ttcttttttg	agacagagtc	17160
ttgctctttc	accagggtcg	gagtgcaggg	gcgcgatctt	ggcccactgc	aacctccacc	17220
tcccgggtcc	aggcgatctt	cctgcctcag	cctcctcagt	agctgggatt	acaggcacat	17280
gccaccacac	cctgctaatt	tttgtatttt	tagtagagac	agggtttcac	catgttggtc	17340
aggctggtct	tgaactcctg	acctcgtgat	ccacccacct	tggcctccca	aagtgtggg	17400
attacaggcg	taagccactg	cgcccagctt	tttttttttt	tttttttttt	tttgagatgg	17460
agtcttgctc	tgtcgcccaa	gctagagtgc	tgtggcgtga	tcttggtcga	ctgcaacctc	17520
caactcctgg	ttcaagtaat	tctcctgcct	cagcctcctg	agtagctggg	attacagggtg	17580
cccaccacca	tgcccagcta	atttttttat	tttttagtaga	gaatgggttt	caccatgttg	17640
gaccaggctg	gtctcgaact	cctggcctca	ggtgatccgc	ccaccttggg	atcaccaagt	17700
gttgggatta	caggcgtgag	ccactgtgcc	tggcctgcct	agacttttaa	cttattttgtg	17760
taattacttc	aagtatagat	tactccaatt	taaacacaaa	gattgtgaaa	ctagatgaag	17820
aataaacata	ttcaaaaatga	ttattaaatg	ttttaattgg	tgacagagtt	tttcatagcc	17880
ttttatcatc	tcagtgcac	atgtttttatt	tgtaggtagc	cacagagaaa	cagctacatt	17940
tataagaaca	ccatgaagaa	taattaaaaat	gttctttttt	tttttttgag	acagagtctt	18000
gctttgtcac	ccaggctaga	gtgcagtggc	aagatcttgg	ctcactgcaa	cctctacctc	18060

ctgggttcaa	gtgattctcc	tgcctcagcc	tccctagtag	ctgagattgc	aggtgtggac	18120
cactacacct	ggctaatttt	ttgtattttt	agtagagatg	gggtttcacc	atgttggcca	18180
ggcttgtctt	gaactcctga	cctcaggtcg	atccacctgc	cttggcctcc	caaagtgttg	18240
ggattacagg	tgtgagtga	cacacctggc	ctaaaacatt	cttttatccc	tgacttcagc	18300
tgagtttagt	ttgaaatgag	gctcttttatt	tgggggtgatt	gggctttgca	ggaggggttg	18360
tgggtggcct	ataattcccc	ccaatattgt	atgtaagata	ttacatgttt	gtatacagtt	18420
tttcaggaga	gagtccgtag	ctttcatcag	tctctcatga	ccaaaaacta	tttaagaatc	18480
atggcttgaa	gaatgaaaga	atcgagtgcc	atgttaaagt	tctaatttct	caataatact	18540
tccctgaaac	taattttctag	agaataattc	aaatgacttg	atctaaatat	gtgtgcatga	18600
gtcatcaaa	cagcctggag	taacatatta	aaagttatcc	caagggctctg	tctggttcaa	18660
actctgatga	aagccctata	tttcttatcc	tggactgggt	ttctcatagt	atgattccca	18720
gatcagcagc	agcatcagca	tcacctagga	acttgttaga	aatacaaaatt	ctcaggccgg	18780
ccccaggcca	tacctactga	gttacaaaatt	ggagatggga	ccaggaatcg	gtgttttcta	18840
aggagctttc	caggtgattc	tgggtgtgcac	taaagtttga	taaccactgg	gttaggctat	18900
aattagaaaa	tcctgttctc	cgccccgctc	ccaagccagg	tttagaacag	tttgtaagc	18960
aagtatctgc	agaaagacca	gtctaattgtt	gacagcttct	attttccatc	tttatggaaa	19020
aatcgtaaa	cctcaaaaagc	ccaaatcacc	ctcacacaag	tgtcttgggt	tgcacagcaa	19080
caccaaaca	cagtttagag	taatccaatg	tccagctgaa	attggaatta	tagagacaca	19140
gcatgtgagt	tcactcaca	aaatttttac	caggaggctt	tttagggatg	agccccgtaa	19200
ttccaagggc	cttggctctc	agcctccttt	gaggcatata	acacagtctc	ttgaacagac	19260
tgaccctcag	taatgagggt	tcattaccct	cttcagaca	tgtggcacc	tcacaaacat	19320
cctttaacag	agtgtctcag	atcaccatgc	ttcgtttgca	aagtaactta	atgaattcgc	19380
tcagcctata	ttcttagtac	ccagtggtag	ggatctcagc	tgtagcagca	taaaacttga	19440
actgtccaaa	accagtctct	gaaaccttca	agtgtttatt	ctgtctactc	ctgctgttgc	19500
ttgaagcttg	atttgttggt	acaccttact	gttttgctga	tgagaaatag	cacagggtac	19560
ttctcagtgg	ttctcattaa	aggagggcag	ccaagtggaa	ttcattcttg	gctcttaata	19620
gttttcaaat	gagaatttta	ttgcatacta	atgagcacta	attgacattt	gtgactgttt	19680
tttatggaaa	taatgcatgt	acaatttgca	taatagtacc	taagtgtttt	taggtaacag	19740
tacaactctg	ggaagtgggt	gaagggtttt	gtatgatgct	ttttaaaaaa	gttcccaaac	19800
cccagccct	agaatagtat	agaatattaa	caggctctcg	ggatccaaat	ataaggcagt	19860
agtagtgact	cagttcctgt	agttgtacca	gcttgtagct	gagagtcaga	aaatgcatca	19920
gggcaggctc	ctaaaaagcag	gaagcgctcc	cacagtagcc	agggaggatg	ttccagccct	19980
ctctaccttc	atgtgtcaac	cctcctgctt	ctcctaagtc	atgagtatct	agacagtgtc	20040
gaggattgtt	ccaaggactc	ctacactgta	aaatgttttc	taaacatcac	ttggttgata	20100
tcaacaaaca	tggattgatc	acctactatg	tgccaggcac	tgtgctagat	gccagagtaa	20160
gcccattgtg	gcttgctgcc	tgtgcatccc	ctatctctta	gcacaatgag	gcaacagtta	20220
tccatcaatg	tttattgaat	taatgaacat	gctgtctgcc	ctcagggatc	tgaggattca	20280
ttattcttac	aaaatctgac	gttgaatata	gtataaaaatt	tgttgctctt	catgttagaa	20340
atattaatta	ttcagaactt	ggaattctgt	taggaaaattt	agagaaacaa	gataatcttg	20400
gttttatgtg	ccccaaagttt	tctgtatatc	aaatgaccct	tttaaatttt	gtgaaaatga	20460
aagaagccaa	tgtttactga	agatctagta	cgtatcagtt	acttttgcac	acatcctata	20520
catcctatga	tttaagcatc	aacaaaacct	atgagggtgta	gatagtatta	tctgtgttta	20580
attgagcaag	cagctaagaa	ctggagaagt	gactaaccta	aggcatcaca	gatagaaaat	20640
tgtggaactg	ggacttaaat	tcagcctagg	ctgtgtctgt	tgcactgccg	cttattacat	20700
taaatgatcc	taggatattg	taagcaaagc	caaactctga	agtattgtac	tagtgatacg	20760
gctccgatga	ctggagggaac	actgggggtt	ttggtctcat	gccggtttgg	ataaaaatgac	20820
atggacacac	gtggagtggg	tttagggagg	gaaaagttta	ataggcagga	aagcaggaag	20880
gaagaagaaa	acagctcccc	ggtacggggg	gagaagtagg	gggattcaaa	caaagagaaa	20940
acctcatgtg	cggcagaaaa	gtggctgctt	atatgaggat	gcaggaggag	gtgggtgtctg	21000
atgtgcatag	ggctcagggg	attggtttga	ccagtcatgt	cattcctgca	gcctgtgaaa	21060

aaactgaccc	tcccacccta	gctttttaat	atgcaaatgc	agggcgccat	tatgttttac	21120
acacatgggg	acatgtgggg	gtggccatgt	tgccaggcac	atgtaggggc	aagggaaga	21180
agatggcagg	aatcaccatg	tttggatgga	cccagtttct	aatggctggc	atttgcatat	21240
caaagcttgc	tggcccagct	cagagccggg	gctttcctgc	tagacaagaa	acgtttctgg	21300
agctgcttta	aaagaaataa	aaactcccca	aggacccctt	ttcctctcta	tctgcctaaa	21360
ataatttatt	aataactcct	gtaacactag	gatggaggga	tgaattgggtc	caggggtcct	21420
gggtgtgtgcc	ctgcattcag	ttgacctact	gtttacaata	cacctactgt	ttacaacact	21480
attttctaga	tcttgtgggg	aacccaaacc	aagggccagt	ctggctcacc	tataattcca	21540
ccaagcagcc	agaaaagtat	aaacgctcta	cagcaaaggg	ataaatcaag	gtttagtaga	21600
agaaaagctt	tataagtaat	gtggaaactaa	aagggtgaat	atagttttca	ataatgttga	21660
gcataaatgt	tctccagatt	gtggaaaagat	cactaactgt	tggctgggaa	gggtaggaga	21720
ggagagagtt	tgaaacacag	agaataggaa	ggagtgggtga	tgtagtccaa	taactcacc	21780
agaacccatg	gacgtgaaag	ctttgtttgc	tctcagatcc	ataactagac	taaaggagtg	21840
aatcagatct	gctccccctgc	acccacccct	gctcaccttc	cacacctgcc	aagggccacc	21900
cagcaattcc	attctgcttg	tcaaattccc	taaggaggat	atgtctggaa	cagccaccac	21960
tcctccccct	gctcttcct	ctggtatgtc	aggattccct	gcacaaccgt	gctccagggt	22020
ccttgggatg	attattcaga	aaccagagaa	gtatgtagaa	aacttaatcg	gaggcactta	22080
aaggctttta	aagggaattt	taaaaaccat	ctttccctct	tttataaggc	agtctgagta	22140
tttaagaagc	aaattaattg	agtccacttt	acagtgttgg	ggcaaaaagca	tgcaagttcc	22200
aacattttaca	cactaacaga	aaattctttt	cccttccact	gtgctccttt	tctttcttgg	22260
gcctgctcca	caaacttcta	accacagtcc	taaattggta	ccccatgacc	ctgtgtgctt	22320
cgattgccta	cactggtttc	agaccacgc	tgtggattca	aatcaaacct	gcctttctcc	22380
ctgttactat	gtccaccag	caccctcctt	gcacacacag	tctttctctt	ctttcctcca	22440
tgtgcagacc	tttaccacag	ctgtcccaaa	tgtgtgaaag	gccaaccata	actcttcctt	22500
taaaggctct	ttagagcagt	atggaaaagag	tgctgaactt	ggaagaccta	gattctcttt	22560
ctatactcat	tatgtgatcc	tgagcccctc	acttaacctt	gcagggcact	tacaaaataa	22620
agagatggag	ttcatgatat	cttaagggtca	ttttccatgt	ccaacattct	ctgactcttc	22680
atctttccct	gactcaacat	tctgttccta	tatagtcaac	accttccac	cttaatctca	22740
tgtcatgcc	ctcttagaaa	gtctttacaa	ctgttgaggg	tgcagtggct	catgcctgta	22800
atcccagtac	tttgggaggc	cagagtgggc	agattgcttg	agctcaggag	tttgggacca	22860
gcctgcataa	catggtgaaa	ccccgtcttt	attaaaaata	caaaaaaaaa	aaaaaaaaag	22920
ccagatgtgg	tgggtgcttg	ctgtgggtccc	agctactcag	gaggctgaaa	tgggaggatc	22980
acttgaaccc	aggaggcaga	ggttgcagtg	agctgagatc	atgtcattgc	attccagcct	23040
gggtgacaga	gagacaccct	gtctcaattt	aaaaagaaaa	aaaagaaaga	aagcggcggg	23100
ccgcgggtgg	ttacacctgc	aatcccagca	ctttgggagg	ccgaggcagg	tggatcatct	23160
gaggtcaggg	gttcgagacc	agcctggcca	gcattaagaa	actctgtctc	tattaaaaat	23220
acaaaaatta	gctgggcatg	gtgggtgggca	cctataattc	cagctactca	ggaggctgag	23280
gaaggagaat	cgcttgaacc	cgggaggtgg	aggttgcatg	gagttgagat	cgtactattg	23340
cactccagcc	tgggcaagaa	gagtgaact	ccatctcaaa	aaaaaaaaaa	aaaaagaaaa	23400
tatttgcatc	tgtgaactgt	cttctgtgtt	gaggatgttt	gtggcagaag	gagatagacg	23460
taggctctgt	ctacgtctgc	ctgggtgcctc	cacaaggagc	agtgtatgct	cagagaatag	23520
aagtgaattt	tactattagt	ataggtgacc	catattgaaa	atgtttgtaa	atctgctacc	23580
agaacaacac	agtcattcaa	agacaattaa	aaatgcattt	tatacttcct	gctatttata	23640
attattcatg	gatctgctgc	ctacagtcag	gtagtaaaag	gagagccaga	aggaatcata	23700
gtgaacatct	catacaatgc	tatctttgtt	gttggtttga	acataagcat	ttttgcgtga	23760
atttgcgtgt	aggtctcttt	tatttctctt	attgcataac	ctgaggctga	aatacttcaa	23820
gtaatgtatc	tatttgctca	tattgggtag	aaacatccct	attattccaa	ttttcccttc	23880
tcctgcttaa	aacatatagt	gaaatgaaag	atgcagagat	aaggaaatca	gggaaaagaa	23940
aaatagtcac	aggatactaa	aatgagccac	agatacctga	aactgcatag	ttgctataaa	24000
tgagccataa	atttgattct	gagctttcca	gtggcccca	aaagataaac	ataatagtat	24060

ttattccatg	acataaaaaat	gtatttgtat	ttctctgtgt	tcaagaggaa	gagaaatttg	24120
tactatgggt	cctcatgaag	gagccactaa	gtcagtgttg	tagaccacac	attcaacgat	24180
atcgtattaa	taccatgat	gatgaattca	ttcattcaat	aagcatttat	tgagtactta	24240
ctttgtgctg	tatatgtttc	agtgtattgc	agtaattatt	ctttttgatg	ctcaaatgtt	24300
cctattgtgg	gtcagtagga	gcccgttgat	tcatgtcctt	ttgacattat	tctgtagttt	24360
ttgatacttt	ttttcctagc	atgatgagat	gttccaggct	tatgtcgtat	atttcttggt	24420
ccgtaactca	aattgaccat	tttgttaatg	aaacttgatt	tttttcagtg	aaaagtgggt	24480
ttatagaaca	caatctgggc	acttgaagtg	tttattgtta	ctgggttgct	attacttaca	24540
agactcagtt	aacaaattag	gaaaaagatt	gatttagaaa	gaaaataaat	cctgagttca	24600
tattgttatt	tccaatttaa	agattaaagg	gttttcgtat	aacttatttt	atatgtgtat	24660
gtcttttctc	ttactttgaa	atcttggttt	ccaataacat	gaacataatt	acttccttta	24720
tcctaatagg	tacgtatatg	tgtatatgtc	tatgtatgta	tgtatgtagg	tatgtatgtg	24780
tgtatgtttc	tatctgtaaa	acaggaaaaa	taccaccta	atggagctta	agatttcttt	24840
atgagtattt	tttgtcctta	gggtatttaa	tcaaattact	gttacttaaa	ataatgtttc	24900
tctatgtggg	tatgccatca	acttcatata	caattatttt	atttcaattt	gtcttcgatt	24960
tttaaggatg	gttttcttct	tctgatttaa	ttttgttttt	aaattatgta	aaatattttc	25020
ttggtttcag	agtcaaatct	atgaacattg	agaggctctat	tttgcctctc	tgtcccctcc	25080
cccttattat	tttactcccc	ttatagataa	tgcttttatt	tttccattac	tttttttttt	25140
tttttttgga	gacaggagtc	tcgttctgtc	accagggcag	gagtacggta	gtgtgatctc	25200
ggctcactgt	aacctccacc	tcccagggttc	aagcaattat	cctgcctcag	cctcctaagt	25260
agctgggact	acagacactg	accaccatgc	ctggctaatt	tttgtatttt	tagtagagac	25320
agggtttcac	tgtgttgatc	aggctggctc	caaactcctg	acctcaagtg	atccgcctgc	25380
cttggcctcc	caaagtgccg	ggattacagg	tgtgagccac	cgtgcccagc	ctctattact	25440
ttttgaaaaat	aagccaatga	cctatatgta	tcctatctcc	tttcttacac	aaaaggtagc	25500
aggccagagt	tcaagattac	agtgagctgt	catcatgccca	ctgcacttta	gcctggggcaa	25560
cagagtgaga	ccttatctct	aaagaaaaaac	aaacaataaaa	aaattttaaa	aataatttct	25620
atgaattaaa	aataatttta	aacacaactg	catatgaaga	caacaaagga	aaactctcag	25680
gaaacactga	aatatgaaaa	tcaagtgaga	ttagagcaaa	taaggatgtg	tatgggaagg	25740
ttctgtagaa	gacagattga	ggcccaaaca	gagagagctc	taaatacatc	atgaagggtta	25800
ccagaaatgt	gagaaattcc	tgaagaagag	ggaagaagca	aatcctctcc	aaatttagtt	25860
cacttagttg	ataatcatta	gttgattccc	agtagagtca	gtcttttatc	atcagtgccca	25920
ccactgttgt	tctctgcatt	aacaaaggag	atattaatct	ggaaaagctgc	aatcattttc	25980
actgtagaat	cagcctttta	ttttttagggt	ttttttaatt	tttttttttt	aggacacctt	26040
catttaagat	cacttcatat	ctcctctggc	ttttgcaa	gctctttggc	tgatctactg	26100
tttccaccac	tgtcctcaac	attttttagt	atattattta	atttatgtat	gtattgggtg	26160
ccactgatta	ttgtttgcct	tccccattg	gaacacagat	tctataaaag	tagggatctt	26220
tattttgttt	accactgtat	tccagggtgc	tagaacagtt	cctttcacat	tgttgggtgct	26280
caaaaagaaa	aaagttaa	gaatgaatat	cagcagcaag	agcattttga	ggagaaagca	26340
aagggtgaac	tgtgggggtc	tccattaatg	tatgtatatc	atcctcttat	acatttgtcc	26400
catcacccgc	tagccctgga	actctcatta	tttttttttc	tggtaatgca	ggctccaact	26460
caactggcaa	tgagaatatg	aactgaggca	actgtattttg	aaaaatgaaa	gaatataggt	26520
gatatgggtt	taaagaattc	agtatttgtg	tattttttcca	ataagtacat	gcttatgagc	26580
atagccttac	aaaataacaa	aaataatttt	ttacatttac	tcacacactt	accattttcca	26640
gcactcttca	ttcctttgta	tagatccaaa	tttgtatctg	gcatcatttt	acttctgcct	26700
aaagaactaa	ctctaacatt	tttttatagt	gcatgtctct	cagattttct	ttgtctgaaa	26760
attactttat	tttaactcca	tttctgaaat	acattttcag	tgggtattgt	attctgggct	26820
gacttttttt	ttttttccca	gtgcttgaga	gatgccattc	cattctcttg	tggctttcat	26880
tattttttgat	gaaaaatcag	ttgtaagtct	tactcttggt	cctctgtaca	taatctgact	26940
gctgcttcta	aaattttatc	tttattgctg	gttttttagca	atttctgtgc	cttgttttgt	27000
ttttgttatt	tagtgtttgt	tctgcttggg	attggttgag	cttggatctg	taggtttata	27060

cttttcatca	aatacgaaaa	attttgggtca	ttattttttca	aatatTTTTTT	ctactcctcc	27120
ctcctcactt	tttccccctc	aaacagcagt	tacatgtatg	tcagacaact	tgctattatt	27180
ctataagtca	ttgagacaat	gttcattcct	ttttatTTTT	aatTTTTgtg	ggtaaatagg	27240
tgaatatatt	taggggttca	tgagatgttt	tgatataggc	atgcaatgta	aaataagcac	27300
atcatggaga	atgggggtatc	tattccctta	agcattttatt	ctttgaatta	aaaacaatcc	27360
acttacactc	ttatcacttc	tcagccTTTT	gggataagat	catgtgtaaa	aacaatgtac	27420
ttacactttt	cattttaaaa	tgtacaatta	agttattatt	gactatagtc	accctgttgt	27480
actatcaaat	agtaagtctt	actcattcta	actaatTTTT	tataaacTTT	aactataccc	27540
acttctcctc	ccacctccca	ctccctttcc	aacctatggg	aaccatcctt	ctatactctg	27600
ttcatgagtt	cacttgTTTT	gattttttaga	tcccacaaat	aaataagaag	atgtgatgtt	27660
tgtcttttctg	tgcttggtct	atttcactta	acgtaatgat	ctccagtgcc	atccatgttg	27720
ttgctaatta	ctggacctaa	ttctttatata	tggatgaata	gtacatcatt	gtgtagatgt	27780
accacatttt	ctttattcat	tcatctgttg	atggagactt	agattgcttc	caaatcttag	27840
ctatagtaag	caatgctgca	acaaacagga	gtgcagacat	ctctttaata	tactgctttt	27900
ctttcttttg	ggatatatac	cagcgatggg	attgccagat	catacagtag	ctcaattttt	27960
agttttttga	ggaacctcca	aactgttctc	cataatgggt	gcactaatgt	acattcccac	28020
caacagtgtg	caaggggtccc	tttttctcca	catcctcacc	agcatttggt	attgcctgtc	28080
ttttggatat	aagccatttt	aactgggggtg	agaagatatt	ttagttttca	tctgcatttc	28140
tctgatgata	aatgacattg	agcatctttt	catataacctg	tttgccattt	gtctgtcttt	28200
gttggaaaaa	tttctgttag	ctcttttgcc	cattttttta	atcggattat	taaatTTTTT	28260
cctatagagt	tgtttgagct	ccttatatag	tctgggtgatt	aatcctttgt	cagatgggta	28320
gttggcaaat	attttctgtc	attctgtgag	ttgtctcttg	actttgttga	ttgtatcctt	28380
tgatgtacag	aggctttgta	acttgatgtg	atcctatttt	tccatttttg	ctttggctgc	28440
ctgtgcttgt	ggcatattgc	tcaagaaatg	tttgcccaga	ccaatgtcta	gagactttct	28500
gcaatgtttt	cctgtagtat	tttcatagtt	tgaggcttta	gatttaagtc	tttaatccat	28560
tttcatttga	tttttgtata	tgggtgagaga	tgggtgtcca	gtttcattct	tatgcatgtg	28620
gatatccagt	tttcccagta	ccattttattg	aagagaccct	ctctttccca	gtgtatgttc	28680
ttggcacctt	tgccaaaaat	gagttcactg	tagtttctgg	gttctctctt	ctgttctatt	28740
ggctctgagtc	tgtttttatg	ccagtactat	tctgttttag	ttacaatcat	tctgtagcat	28800
aatttgaagt	caggtaatgt	gattcctcca	gttttgttct	tttcactcag	gataccttta	28860
actattctgg	gtcttttgtg	gttccacata	aattttagga	ttgtattttc	tatttctgtg	28920
aagaatgtca	ctggtatttt	gatagggatt	gcattgaatc	tgtagattgc	tttgggtagt	28980
atggacattt	taacaacatt	gattcttcta	atccatgtat	atgggatatt	tttccatttt	29040
tgggtgtcttc	ttcaattttt	ataatctgtg	ttttatagtt	ttcattatac	agatctttca	29100
cttctttggg	cagggttaatt	cctagatatt	taattttatg	tgtggctatt	ataaatagga	29160
ttacattttt	atttcttttt	cacatagttc	actgttggca	tatagaaatg	ctactgattt	29220
tttataaaact	tttatgttat	gttcagggtg	ataggtacag	gtttgttata	taggtaaact	29280
catgtcatgg	ggtttgtcgt	acagattatt	tcatcaccca	ggtactaagc	tagtaccat	29340
tagttatttt	ttctgatcct	ctccctcttc	ccactcttca	ccctcagtag	gccccagtg	29400
ctgttggtcc	cctctgtgtg	tccatgtgtt	ctaatacatt	agatcccact	tgtaatgtgag	29460
aacatgcagt	atttggTTTT	ctgttcctgt	gttacttttc	taaggataat	ggcctccatc	29520
tccatccatg	ttcctgcaaa	ggatataatc	tcattctttt	tatggctgca	tagtattcca	29580
tgatgtatat	gtaccacatt	ttcttttttt	ttcccttcaa	cttttatTTT	aagttcaaga	29640
gtacatgtat	gtacaagatg	tgcaagtttg	ttacataggt	aaatgtgtgc	catggtagtt	29700
tactgcacag	atcatcacat	cgcctaggta	ttaaggccag	catccattag	ctattcttcc	29760
tgatgtcttc	cctccctcac	cacacccctc	ccgacaagcc	ccagtgtatg	ttgttgcccc	29820
ctcacatgtg	tccatatgtt	ctcatcattc	agctcccact	tataagtgtg	aacatgtagt	29880
gtttggggtt	ctgttcctgc	attagtttgc	tgaggataat	ggcttccagc	tccattcatg	29940
tccttgaag	gaacatgatc	tcattccttt	ttatggctgc	atagtattcc	atgggtgtata	30000
tgtaacacat	tttctttatc	tagtatatca	ttgatgagca	tttaggttga	ttccatgtct	30060

ttgctattgt	taatagtgtc	gcagtgaaca	tatgtgtgca	tgtatctttg	taacagaatg	30120
atztatattc	ctttggatat	agaccagta	atgggattgc	tgggtcaaat	ggtaatttctg	30180
cttctaggtc	tttgaggaat	tgccacacta	tcttccacaa	tgattgaact	aattcatact	30240
cacaccaata	attccttttt	ctccacaaca	ttggcagctt	ctgttggttt	ttttgacttt	30300
ttaataatag	ccattctgac	tggcatgaga	tggatatctca	ttgtgggttt	gatttgcatt	30360
tctctaata	tcagtgatgt	tgagcttttt	ttttcatatg	tttgttggcc	agatgtatat	30420
cttcttttga	gaagtgtctg	ttcatgtcct	ttgcccactt	tttaatgggtg	ttgtttgttt	30480
ttcttgtaaa	ttggcttaag	ttccttgtag	actctgggtta	ttaaaccttt	gtcagataga	30540
tagattgcag	aaatttttct	cccattcttt	aggttgctctg	tttgctctaa	taatagtttc	30600
ttttgctgtg	cacaagctct	taagtttaaat	tagattccat	ttgtcatttt	tgctttcatt	30660
gcaatcactt	tcggcatttt	tgtcatgaaa	tcttttctctg	tgcttatgtc	ctgaatgggt	30720
ttgcctagac	tttcttctag	agtttttttt	tatagttttg	ggttttacat	ttaagtcttt	30780
aatccatctc	cagttaattt	ttgtatgtgg	tgtaaggaag	gggtccagta	ttaattttct	30840
gcatttggct	agccagttcc	cctagcgcca	tttgttaaat	agggaatcct	ttccctattg	30900
cttgtttttg	tcaagcttgt	caacagtcag	atggtagtag	gtatgtgggtc	tgatttctga	30960
gctattttgt	ttcattgggt	tatgtgtctg	cttctctaca	actaccatgc	tatttgggtt	31020
actgtagcct	tgtactatag	tttgaagttg	ggtagtgtga	tgctcaagc	tttgttcttt	31080
ttgcttaata	ttgccttggc	tattagggtc	cttttttgg	tccatatgaa	ttttaaaatg	31140
attttcttct	aattctgtga	agaatgtcaa	tggtaattta	atgggaatag	cattgaatct	31200
ataaattact	ttgggcaata	tggccatttt	catgatattg	attcttccta	tccatgagga	31260
tgaaatgttt	ttccgtttgt	ttgtgtcttc	tctgatttct	ttgagcagtg	gtttgtagtt	31320
ctccttgaag	aggtccttca	cttcccttat	tagctgtatt	cctagggtatt	ttattctttt	31380
tgtagcaatt	acgaatggga	gttcattcac	aatttggctc	tctgcttgcc	tgttgttggt	31440
gtataggaat	gctagcaatt	tttgcacatt	gatgtttata	tccttagtct	ttgctgaagt	31500
tgcttatcag	cttaagaagc	ttttgggctg	agacaatggg	gttttctaga	tataggatcg	31560
tgtcatctgc	aaacaaagat	aatttgactt	cttctcttcc	tatttgaata	ccatttat	31620
ctttctcttg	cctgattgcc	ctggccagaa	cttctaatac	tatgttggat	agaaatagtg	31680
agatagggca	tccttgtctt	gtgccagttt	tcaagggaat	gcttccaact	tttgccatt	31740
cagtatgata	ctggctgtgg	gactgtcata	gatggctctt	attattttga	agtatgttcc	31800
ttcaatacct	agtttattga	gagcttttaa	catgaaggga	tgttgaattt	tatcgaaggc	31860
cttttctggg	cctattgaga	taatcatgtg	gtttttgtct	tttattctgt	ttatgtgatg	31920
aatcacattt	attgatttgc	atatgttgaa	ccaaacttga	atctcaggga	tgaagccaac	31980
ttgatcgtag	tggatacgct	ttttgatgtg	ctgctggatt	tggtttgcca	gtattttatt	32040
gaggattttt	gcctcaatgt	tcatcaagga	tattggcctg	aaattttctt	ttttgttgt	32100
tgtatctctg	ccaggtttgg	tatgaggatg	atactggcct	caagaatgag	ttaggggagaa	32160
gtccttcctt	ttcaattttt	tggaaaagtt	tcagtagaaa	tggtagcagc	ttttctttgt	32220
accgctggta	gaattcagct	gtgaatctgt	ctgatcttgg	gctttttttg	gttgtaggc	32280
tatttgttac	tgctcaatt	tcagaacgtg	tcattgggtg	attcagggat	tcaatttctt	32340
tctgcttcag	tcttgagaag	gtgtatgtgt	ccagggaattt	atccatttct	tctagattct	32400
ctagtttatg	tgcatacagg	tgtgtgtagt	attctctgat	ggttgtttgt	atttctgtgg	32460
gatcagtgat	gatatccac	ttaacatttc	tgatttgtgc	tgtttgattc	ttctctcttt	32520
tgttctttat	tagtctagtt	agttgcctat	ctttttatta	attttaaata	aaacagctcc	32580
tggattcatt	gatttttttg	aaaggttttt	tgtgtctata	ttttcatttc	aactctgatc	32640
tgatcttggg	tatgtcttgt	cttcttctag	ctttgaaatt	tgtttgcttt	tggttctgtc	32700
attcttttag	ttgtgatatt	aggttgttaa	cttgagatct	ttctagcttt	ttgatgtggg	32760
catttagtgc	tataaaattt	cctcttaaca	ctgcttcagc	tgcaccccag	agattctggg	32820
atgttgtctc	tttgttctca	ttagtttcaa	ggaatttctt	gatttctgcc	ttaattttgt	32880
tatttaccca	ggagtcattc	aggagcaggt	tgttcaattt	ccatgtagtt	gtgtgggttt	32940
gagtgaattt	cttaatcttg	agttctaatt	tgatttgtgt	gtggtcagaa	agactgttat	33000
gatttcaata	cttttgcctt	tgtgaaaaa	gtgcatgtg	gtgatgagaa	gaatgtatat	33060

tctgttgttt	ttgggtggag	agttctgtag	atatctatca	ggtcctcttg	atccagagct	33120
tagttcaggt	cctgaatatc	tttgtaatt	ttctgtctca	gtgatatgtc	taatattttc	33180
agtggagtg	caaagtat	cactattatt	gtgtgggagt	ctaagtctct	ttgtaggtct	33240
ctaagaactt	gctttatgaa	tctgggtgct	cctgtattgg	gtgcatatat	atttaggata	33300
gttagctctg	cttgttgaat	tgaacgcctt	accattatgg	aatgcccttc	tttgtctttt	33360
ttttatcttt	gttgggtgaa	agtgtgtttt	gtcagaaact	aggactgcaa	cccttgcttt	33420
tttctgtttt	ccatttgctt	cataaatttt	tctccattcc	cttattttga	gcctatgtgt	33480
gtctttgcac	ttgaggtggg	tgtcttgaag	acagcatact	gatggccctt	ggctgtttat	33540
ccagcttgcc	attctgtgac	ttttaattgg	gggcatttag	cccatttata	tttaagggtta	33600
gtattgttat	gtatgaattt	gatcctgtca	tcatgatgct	agctgggtat	tttgctgact	33660
tgtttttgtg	gttgcttcat	agtgtcactg	gtctgtgtac	tttagtatgt	ttttgtagta	33720
gctggtaaca	gtttttcctt	tccatattta	gtgcttcctt	caggagtgtc	tgcagggcag	33780
cctgggtgtg	acaaattccc	tcagcatttg	cttgtctgaa	aaggatctta	tttctccttc	33840
acttatgaag	cttagtttgg	cccgatgtga	aattctggat	tggaaatatt	tttctttaag	33900
aatgttgaat	attggtttcc	agtctcttct	ggcttgtaga	gtttctgctg	aggagtccac	33960
tgttttctgt	tgggcttccc	ttttaggtg	acctggactt	tctctctggc	tacccttagc	34020
attttttttt	tcattttcac	cttggagaat	ctgatgatta	tgtatcttgg	agttgatctt	34080
cttgtggagt	atcttactgg	ggttctcggc	atttcctgaa	tttgaacttt	ggcccatctt	34140
gctagcttgg	agaagttttc	ctgtatgcta	tcctgatgca	tgttttccaa	ctcagttcca	34200
ttctgcccc	ctctttcagg	taccccagtc	aagtcatagg	tttggctctt	ttacataatc	34260
tcataatttct	ctgagggttt	gttcattcct	tctcttttta	tttgtttctg	tattcttgtc	34320
tgcctgtcta	tatgcagaaa	gatagtgttc	aagctctgaa	attctttcca	ctgcttggtc	34380
catcctatgg	atacttgtga	ttgcattgtg	aagttcttgt	gtattacaag	aactttat	34440
ttttatcttt	atccagtcta	ccattgatgg	gcatttaggt	tgattctatg	tctttgttat	34500
tgtgaataat	gctgtaataa	acatactaga	atgattcatg	tttatttggg	taaatgtgtg	34560
ttgatttcgt	atcctgcagt	tttattgaat	ttatcagttc	taatcatttt	tcttgtggag	34620
tcttttaggtt	tttccaaata	taagatcata	ttgtctgcaa	acaatgatca	tttgagttat	34680
tccttttcaa	tttggaatg	ttttatatct	ttctcttatc	taattgctct	agctaggact	34740
tccagtagta	tgttgaataa	cagtgatggc	agtgggcata	cttgttgtgt	tccagatttt	34800
agaggaaagg	ctttgtcctt	cccctatgcc	ccaggtaggt	ccaggagtca	aggactagag	34860
tccaaaacct	tagaagtcta	cctggtat	tattatactg	tggctgagct	ggccctcaga	34920
ccacaagaca	cagtccttcc	cactcttctc	tcccccttcc	aaaggcagag	gaactgcctt	34980
tagtagagac	agggtttcgc	catgttggcc	actgcccaacc	cagcccatga	ggaggactgc	35040
cagactactg	ctgatgttcc	cttaaggccc	aagttctctt	aaatcagctt	gtcctgaatg	35100
ttacctagcc	tgagactcac	ccttcaggac	agtgggctcc	cctctggccc	agggaaggct	35160
cagaaatgct	gcccagggt	caagtcctgt	aatcaggggac	tccaagagcc	ctcttgggtat	35220
tctaaccctt	tgtatctgtg	gtggtacctt	aggtgcaaga	caaagtccct	tttacatttc	35280
cttctgcttt	tatcaagcag	aagttttgtc	ctgcagccac	cacagctgg	aatgtactga	35340
gttctacctg	aagccaggaa	gtctcagagg	ctcacccaag	gccctcaaca	tagtccctgg	35400
ttattgtctg	tgggttattca	gaaccaagg	ctcttcactt	agcagggtgat	aaatgccggc	35460
agggtctgggt	cctttccttc	aatgcagtgg	gttccctctg	gcccagggtg	tgtctagtaa	35520
tgtcacctgg	tttctagggc	ctagaatgga	ggcctcatga	ctctgaccag	tgccctatcc	35580
tgtgtgggt	gcgtgggtat	cctagacgca	agacaatgg	ctccccactt	ctccctctcc	35640
tattctcaag	tgggaaggaa	gggtctcttt	tggagctgta	agctgtgtag	cctggggtaa	35700
ggggagggt	gatgcccaata	ctctcttggc	tgtcccagct	gggtgtctcag	taggttgc	35760
gcactcccag	tctgctgtct	ctgggcctag	ttcagcacca	ggactcacct	aagagttgca	35820
gtccttatgg	cctagactgc	ttttgaagtt	tacttggaga	caaagagcac	tgtggccttc	35880
actggtgagg	tttacaggca	ctcaagttta	gaccactggg	attgggtgatt	cttctctggc	35940
tagggctgtt	ttaaatcctc	cctccgtttg	cacatttcag	ctgagtttga	tctagtttgc	36000
ctttctgctc	tgatttctgg	ttcttatgaa	gggtgttttt	tctgtgtaga	cagctgttaa	36060

cttgggtgtcc	ttgcagaggg	aatgatcagt	ggagccttct	atttcgccat	cttgatccgc	36120
cgccatatat	cattcttatc	aatcattttc	tgtttatgca	cctgaaaata	cactggtata	36180
caaaaattaag	atccttactt	tcacagaatt	tgtgttctaa	tgggggaagt	caataatcgg	36240
tggacaccaa	tacatatata	aattaaataa	cacattaaaa	ggtgttgagg	acatgctggg	36300
catgggtggct	catacttgta	atcccagcac	tttggggggc	cgaggcgggt	gcatcacttg	36360
agatcaggag	tttgagacaa	gcctggccaa	catggtgaaa	ccctgtctct	actaaaaata	36420
caaaaattag	ctgggtatgg	tggcaggtgc	ctgtaattcc	agctactagg	gaggctgagg	36480
caggggaatc	gcttgaagct	gggaggcaga	ggttgacagt	agctgagatc	ctgccactac	36540
actccagcct	ggacaacaga	gtgagactct	gtctcaaaaa	aaaaaaataa	ataaaaaata	36600
aagctgttga	ggacaatgga	ggaaaaggca	gatcagagaa	agaacattta	caaaaagccag	36660
agggagtgtg	aagcaatttt	aaatgaggtc	agattttttg	ataattttcta	ttgctatgtt	36720
tttaagttaa	ccaatgtttc	tttttgcaat	gtctgatctg	ttacattttt	atttcagata	36780
ttatatgttt	atctctagaa	gttctattta	gatctccttt	ttatctttca	attctctcct	36840
cattttgttc	atattttgct	ttatatccta	gagcatattt	ataatagttg	ttttaagggt	36900
cttgtgtgat	agttatatca	tttctgttat	ttctgtgtct	gatattattt	atctattttt	36960
taaaacttta	tgggtatagg	tcataatttt	tcatttcttt	gaatgcctgg	tgattatttt	37020
gaattttaca	ttgttgagca	ctggatgttg	ttatatcctt	tttaagagca	ttgagttgtg	37080
ttctggaatg	cagttgagtt	tttacagatc	actttgatcc	atttgagact	ttcctttagg	37140
gtatatccag	agtaacatct	agtttagagt	taatttgttt	ttactactaa	gatgtggcct	37200
ttctgaggat	tttatccaat	gtcctgtgta	ttttggggtc	tctccacact	ggctgatgga	37260
aacacagggt	agtctcagcc	ctgtgtgagc	tccaggaatt	actcagctat	tgccatcag	37320
tgtttttttc	ttcaactcca	agtagtttct	tccagctcat	atccaaatca	tacttaggag	37380
aagactgggg	gggatcctct	gcagatttcc	aaagtgtctt	ccccactctc	tgtatctccc	37440
tcttcttcat	tactctgtcc	cacaaaattct	aaccacctca	acatccttaa	attccaatcc	37500
attccccctt	acctcaggta	gaattctagg	ttctgattgg	ttttccctcc	acgtgctgtg	37560
acctggaaaat	gacctccagg	cagtatctct	taggaagccc	agttgtgtgg	catctgttgt	37620
acaatgcctg	aaaatgattc	tttcatgtgt	tttgtctggg	tttcaacttg	ttcacagaaa	37680
aaagcaattt	gcacagcagt	taattcttca	cagacagaag	cagaagttct	accaactgca	37740
aaacaaccaa	aacaacttgt	taaaagacag	tatttgtatg	actggtcata	aattacgtat	37800
agaagaatag	agattttgtg	agaaagatat	gggcctgtac	agaggggtga	acttgcaa	37860
gaccatcttg	cttgggggata	gtgtctgttt	tcctgatcct	aatcactggg	aaggattctg	37920
taatctctgt	caataaaatt	gcaaacacta	ccacacatgg	ccttgggtct	actactgtct	37980
atgacataaaa	cagtttctcc	ctagagactt	agttgtgagg	gtacagggggg	aaggtagcct	38040
ttggagggggc	ctggaagacc	cttccctttg	tgccctcgat	tctgtatata	tcttgtggtc	38100
agaagtctta	ccattaccct	ctctgataac	tccccacca	ctttcccaat	cactaaacac	38160
tttttgaaac	cattcaactc	tttcccttca	atgattgagc	ccttcattgt	ttcatcagct	38220
cctcttgtgt	gaatctctct	gaatgtgtgc	caagtttgca	gtttaatgcc	tgtcccatgt	38280
aggagcccaa	tatcacggta	tataaagttt	ctacactgga	tatccatgga	ctgaagaggg	38340
gcctagcatt	cagggttcca	agccagtgag	tttagcttat	ccaagggtag	ctctagaatg	38400
tgctcagaaa	tttattccaa	gtcagagttg	catccccag	gacttttaggc	tcagatggac	38460
aaccccatca	tatttacaga	atccctcaaa	gataatttaa	gtttaagatt	gtcagcccac	38520
ctgggggtgca	cagtgttgac	cagggtttct	taacccttagc	actgttgaca	tttggggcca	38580
gataattctt	tgttgttcag	accatcctgt	gaattatagt	atgttttagca	gcatccttgg	38640
catctaccta	ctagatgtga	atagcatcct	tctcttaatt	ttgacaacca	cagatgtctc	38700
cagaattgcc	aaatgtcccc	taaagggtgca	aaattgcata	gttgagaact	actggtaaag	38760
aggcactatg	gcatgccaaag	ctctagggag	cccacagaag	tgcacctctg	ggaactaaag	38820
ctgaagaaaac	ccaagaggcc	ccttggtatc	ttcttggaag	aagttagtcc	agagtgtctg	38880
caccatgtgg	agtgtatact	gggatgacat	tgaccttgga	atgtaaactc	ctgggattct	38940
tgccctctgca	gatttggagc	agggttttct	tcttctctgc	ttttcagttt	acttatttga	39000
aaatgaggaa	tgggtgtttac	atcacaaaac	actgtagtga	ggacaaaatg	aggttttatg	39060

tatatataca	cccatacata	tacatatata	cttctttccaa	atgatataat	aatatataaaa	39120
cattgaatga	ataatggttc	aaatataagt	gtacttattt	gccactatga	ttaaaagggc	39180
aatataggaa	aaatacattt	tcttctaata	catcatgttg	taataatcct	ccctgtgggt	39240
gcagtatggt	tctgtgctag	aaggcacaat	aggaaatctc	taactttaaa	aaaaaagaaa	39300
agaaaaaata	tctttctagc	aattaaaaatc	tcaactaaat	tagaatgcaa	atagggtttt	39360
atatttgctt	cttaattttg	cattcaataa	tctgactaga	atatgcaata	atttaaagtc	39420
cttgatggga	gatagtggct	tttagttctc	ttgggatttc	attgtaataa	acctggtaaa	39480
taattcagga	acatatgaga	ggccaatgaa	tggtcagcac	ctgggtgctat	attatttgtg	39540
cctaagcaca	cagactccaa	agatggcact	ctccacctgt	cactgttggt	ctggcttaaa	39600
catgggccct	gtgttcagtg	gctattgaga	taatagtaat	ggatattttt	gccttgtcca	39660
attttcctcc	acaatcaaag	aaaactgtgc	taagctgttt	aaaaaataca	aagcagaagt	39720
ggcagcctct	tttagattac	cactggtaaa	atttcaaata	tatttttctt	attaagggat	39780
tgattgtttt	aaagaattag	ggatatggct	atcttttcta	ctgggtgctaa	tttgagcctt	39840
tttgcccttt	tgtctttgtt	ccacaaggct	gagcttctct	ttagatcaca	ttattcatat	39900
tgcaaggatc	ttctgagaga	aataacacca	tcctctggcc	agccactcac	tctgcaggag	39960
ttcctagagc	tccccagttt	ctttccctat	tgcttgagta	gtctatctca	cgcctgttag	40020
tctcacagtt	taaaatacaaa	cacacaaaga	ctcttgcagg	cagcttgggt	acctttcttt	40080
gaccccagcc	gactggacat	agagaacaag	agctagagag	aacaagagct	agagtgaccg	40140
acagatcatg	tgtggagaca	gcatggggca	cctgagccca	gcaccatcca	ggatcagaca	40200
gaacttaagc	catgagctgc	ctagaaagat	cttggggaggg	cactgggttt	cccagtatgg	40260
aaaaaagaaa	aatgtggctc	acaagtctaa	gctaaggctt	ttacagtact	gggccataaa	40320
caggatctga	aaagaaactg	cagaaaatgt	tagatatgct	ttatctttgt	tttaaaaata	40380
ttatttacta	taatggctta	aaatatgttg	atttaaataat	atgatatttg	atacctttgt	40440
aatatatata	ataaaagtga	taataaaaata	taactatata	attaaaaatag	atgatatttt	40500
aaaacctctc	taataaaacca	tttacgtgtg	tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	40560
tgtgtgtgtg	tatacatgcc	tttgtttaac	agggttaatt	gctttccttt	cttcaggaac	40620
cagagtgagg	gtactcgaac	agtgactgcc	atctggtggt	taaccagaat	catcaccttg	40680
tgtagcctga	tgggtactaa	gatgtccact	cttgactcac	atggcatgca	ctcgcagcag	40740
gggaccagtt	gaaggatgtc	tgactttgga	gggtcaccag	ttgaaggatg	tctgatgaag	40800
gagcctagcg	aaataaccct	ttgcttctac	ctgaatgggt	tgttcactct	ggattctgag	40860
cctgcagcca	gctccaaaat	ggggcctctg	aagaaaagat	ttgagttgct	cttgtgtctt	40920
agtcaaagat	ctacatccct	accagtgggt	aaccaagact	gtgaataagc	acacaccaac	40980
aggggcatgt	ggtgacatgg	agcctgaaat	aaactgctct	gaattgtgtg	acagttttcc	41040
tggccaggag	ctggatcgga	gaccccttca	tgatctctgc	aagacaacaa	ttgtaagtga	41100
gcagccacag	gatgccaggg	ctgctcagat	gtatgtggtg	gtgggtggtg	tggggaggag	41160
gaggtggagg	gaaaggggga	tgaggaaggg	gaggagtggg	aggagaaact	gctcatgcag	41220
gatacatatt	tcccagcact	tggtgacgat	ggggcagttt	gtttttgacc	tatagaagat	41280
ccttcattcc	taacagctcc	tccttattct	gtcctcagac	atcttccac	cacagcagta	41340
agaccatctc	ttcattatct	cctgtcctct	tgggtattgt	ttggactttt	ctcagctgtg	41400
gacttctgct	gatacttttc	tttcttgctt	ttacaattca	ctgcaggaag	aacaggtaag	41460
cagcccagtt	tctcatcaca	catagctcaa	tcataaatac	ccaaatgtta	gtatcttttg	41520
gcagcacaag	ccactatctg	gtctcccact	acaggattaa	accacatgag	acattccctc	41580
tgaaaatagtc	tacctgttga	gaaggggaaa	gatctagggtc	ggatttgtgc	taactactgc	41640
aagggtatcc	aaagaagaga	atgaagagtc	tctctctata	atggagggtac	aatccttctg	41700
agaagatgag	gtatctgtat	ttaaaaatgaa	gaccatgtag	aggattccaa	aacaacacaa	41760
aaacttgagg	acagcacagc	agaaccagtc	tgggtgagtt	agggtttctg	caaaaagcagt	41820
gaagcactgc	tacctggcta	tttgctagat	aattctggct	gactagaaaag	tcatcagctt	41880
atcagggttaa	gtatggctcc	caggattcgc	aaaagaagca	aaatgggtgac	ttttttctga	41940
agggacttat	agcaccttgc	cttggatgca	atttcatcct	tcctcagggc	ccatcccatc	42000
tctccacccc	ccacactgta	ccctcatcct	accacagccg	tcccagggtg	cctcatgaga	42060

agccctgctc	cagccctctc	cttagcccac	agctgacttc	tagatggagc	ccacaatcag	42120
aaattaacaa	cttcctcaaa	ccagccaaac	tcgtccagcc	ccactccagc	cttaccctgt	42180
gtggtgacca	agcatgtcgt	gctccattgc	ctgtggattt	gacactcaga	tgagaattgg	42240
tcagttgcat	tttgggatgc	tgttttgcc	tgtaggcat	ggaggacgtg	gaattgttaa	42300
gcagcagtga	ttggttggtg	ggtcagcctc	agcatgggtg	tgatacgtgg	cactccaact	42360
agagtatacc	ccagagactg	cctcagccac	ttttcattct	gttcctcaag	cacactacgc	42420
tgactcccat	ctcaaggctt	ttgtacttac	tgttcctgta	ctgttccctc	tgcttgaag	42480
tcctcctcag	atattcccat	gactagttcc	ttctcatctt	ataggtcttg	gctccagtgt	42540
cacctcttca	gagacacctt	ccctgatcat	cctatctaaa	gtagtatccc	tacccatgat	42600
cacccctca	tctcattcca	tatcctatca	gcctgtttta	tgttccttat	agcaagcata	42660
gtctgctatt	accatatttg	ttgatttacc	tgttgattgt	ctgtatcccc	taccagaatg	42720
gaattctgtg	aacacaggga	ctttgcctgt	cctcttggtg	ccaccactgt	gtctccagca	42780
tttagaacag	actctgggat	ataatagggtg	ctcagtaa	atgcatccag	tgatcctggg	42840
aggaaagaga	tttaaatccc	aacggtggct	gctgccaaca	aagtgactgg	gaaaatcatg	42900
catttcaagg	ttagagaact	atggagtaca	gtcttttcag	ctgtaacatg	tttctataat	42960
gcaaagtaat	actcaattgg	tattaccag	ttgtaataa	gaaaattatg	tcattgattc	43020
atatgttact	tttccccag	caaatcaata	atttaa	tcaggggcaa	gctttctcac	43080
agctagtaaa	ggaagcttta	agcttggcag	ttccttccct	tggtgcaagt	agtgtctggc	43140
ttaatggctt	aagaacttgt	gtcttcccta	caagatgagg	ctgtaggagt	agatgaagaa	43200
gtggagaaga	catttgcctt	atgtttaaaa	acttcagttg	attgttaaag	aaagcacaga	43260
tccagagcag	atttttaatt	ttttgacaat	gttatctact	ggagatgaat	gcccctgagg	43320
acctgtgtct	tgagatttaa	gactgtagaa	gttgactttg	atcctgggta	caa	43380
tggaacattta	ctgggtggta	gtgttttagt	tggaataatt	aatattttat	taatactctt	43440
gttacaaaagt	taactgtttt	gagtgttatg	accccatcct	attttcccca	cagtctatta	43500
tttttacata	taattttgca	gaatacaagg	tttatcaagt	atttatatat	cctgttaaaa	43560
caggaacacc	tgtaaacagc	attatactag	aaacccttat	atttctttca	ctctattaaa	43620
tattttgctg	cctgttttgt	ttgcagtgagg	agcatgactt	ggcataaaga	ataaaatatt	43680
aagaggatatt	gtgaataaaa	acacatttta	caattaagt	gcttacaagg	tcagacaagg	43740
aaagataaaa	taaccagtt	tcaaaagtgt	tttattgaac	aatacatttg	ttaaaagatg	43800
cagcatcaca	atcagatgct	ttatttcgtt	acaattctgt	ggctctctaaa	tttgggactg	43860
tgtgtgtgag	tattcatgtg	tgtgtatatg	caagaaagga	gaggaagaaa	aatattttta	43920
cacaataaaa	ataatacaaa	aatgtttaaa	tccagttgca	gatattgaat	ttttataaaa	43980
atttcaaaaa	ccagtaaaga	taaagaaaac	ttgaacacta	tcaaccaact	tgacccaatt	44040
gacatttata	ttaccctttca	cccaacaaca	gcagaataca	tattcttttg	aagtacacat	44100
ggaacattta	ccaagatata	tcatattctg	ggccatagaa	aaagtctcat	taaattttaa	44160
agggttcaag	ccgggtgcag	tggtctcatg	ctgtgatccc	agcacttttg	gaagctgagg	44220
cggatagatc	accagagggtc	agcagtttga	gaccagcctg	gccaacatgg	tgaaaaccca	44280
tctctactaa	aaatacaaaa	attagatggg	tgtggtggca	tgcacctgta	gtcccagcta	44340
cttgggaggc	tgaggcagga	gaacccggga	ggcagagggt	gcagtgagct	gagatcatgc	44400
cactgcactc	cagcctgggt	aacagagcaa	gactctgtct	caaaaaaaaa	aaaaattaaa	44460
ggattcaagt	catataaact	atgttttctg	acaatgaaat	taaaatggaa	atcaataaca	44520
gaaagatctc	tggaaaaatcc	tgaaatat	agaaactaca	tagaacactt	taatccatgg	44580
tcaaaaaaga	aatcaaaaagg	aaaactagaa	aatattgacc	agaattaaaa	tgaaaataca	44640
acctagattt	gttggatgcc	actaaagcag	tattaggggg	aaatctagag	aactaaaccc	44700
catattagaa	aagaagaaat	gtctcaaatc	catgacctca	tcttccacct	tacaaacaga	44760
aaaaaagagc	aaatgagacc	caaagtaagt	agaagaaaagg	aaataataaa	gatcagggtta	44820
gaaaaataaaa	taggaaacag	aaaacaatag	gaaaaaaaag	tcagtaaaagc	caaaagctat	44880
gaagataagt	aaaactgatc	aacctctagc	caaagtgatc	agaaaaaaaa	gaaataagat	44940
acaattaccc	aaataaggaa	tgggagagggt	gacatcacta	tagattctgt	agatatgacg	45000
gataaggtaa	tgttgtaaac	aactatggta	gatagcctct	aagatgttct	tcgatgattc	45060

ccacctcctt	gtagtcacac	tcctatgaag	tcctctctcc	ttgagtatga	ggtgaactta	45120
ctaacttgct	tttttagtgag	atgtcgcttt	tggcattagt	tcacaaaaac	tgtggcttcc	45180
accttagagc	tctctcattg	tcccactaac	tcccactctg	tgggaggcca	gctgttgtgt	45240
tataagctgt	cctgtaaaaga	ggcccccatt	ggcaaggaac	tgatgtttcc	agcctgcagc	45300
cagcaagtac	ctggggccttg	ctaacagcca	tgtcagtgaa	ctttgaaaca	ggtgacacct	45360
tgactgtatt	gttgtgacac	cttgactgta	ttcttatgtg	aaaacctgag	ccacaggcac	45420
ccaactaagc	tgtgacttag	aaatattacc	agttcaactt	caaactcttc	taaaaaaact	45480
gaaaaataaag	aagtaattcc	caactcattc	tatgagggca	gtattaccct	gatttcaaaa	45540
ttgaatagga	aaaagaagaa	ggagaaggag	aagaaggaga	aggagaagga	agaggaggag	45600
gagaaggaga	aggaggaggga	ggaggaggag	gagaagaagg	agaaggagaa	gaagaagaag	45660
aagaggaaga	ggaagaggag	gaagaagaag	aagaagaagg	gaggaggaaa	gctataggct	45720
aatatgtcct	ataaacatag	attcaaaaatt	ttaaacaaaa	ttttaacaaa	ttgagtatca	45780
ccaaatgtta	aaaagagaat	acatcattgt	gacaacgtga	ggtttatccc	tggaatgtaa	45840
gctttgttta	atatctaaag	attgatcaat	aactcatgac	atttaccaac	taaaaaagaa	45900
aactatatga	tcatctcagt	agatacagaa	aaatTTTTga	caaacttcaa	catcaatttc	45960
tgataaagtc	tcaacaaaca	gcatagaaca	gaacttcttc	cccattgcgc	agcacagctg	46020
ctgtggcaga	ttgtggccag	actgcttctt	taagtgggac	cccgatccat	ccccctcac	46080
tgggcaggac	ctccttgtga	gaatttcagc	aactccagcc	agggttttat	ggacagaact	46140
ctgatctctc	tgggacagag	cccctcaggg	gaagggtggc	cacagtctct	gtggttcagc	46200
caacttagcc	tttcctgcct	gctggctctg	gagagtctgg	gcagtctgga	caaaagggga	46260
ttcccccagt	gcagtgcacc	cagtcccca	aggggcagcc	agactgcttc	ttgaggcagg	46320
ttcctgatcc	cattcctcct	gactgggtga	gaactcccaa	agggatcccc	agacacctct	46380
tacaggagtg	tttgggccag	cgtcagtttg	gagcaggcag	ccatctttgc	tgttttgcac	46440
cctttgctgg	tgatagtgat	acctccagggt	gcagaaggga	cccagggtgat	tagggctctgg	46500
ggtggaccac	tagcaaaacca	cagcagccct	gcagaagagg	agcctgactg	ttaaaagaaa	46560
aacaaagcag	caacaacaac	ataaacaaaa	aagatcccca	aaaaaaccca	ttgaaaggtc	46620
agcaacctca	aagactgaag	gtagataagc	ccacaaagat	aagaaagaat	caatgcaaaa	46680
atgctgaaaa	ctcaaaaagc	cagagtgcct	cttctccaaa	tgattgtaat	acctctccag	46740
caagggcaca	gaactgggct	gagactgaga	tggctgaatt	gacagaagta	gccttcagaa	46800
tgagggtaat	aacgaacttt	gctgagctaa	aggaacatgt	tctaacccaa	tgcaaagaag	46860
ctaagaatca	tgataaaaaca	ttacaggagc	tgataaccag	aatagccagt	ttagagagga	46920
acataaaaaca	cctaattggag	ctgagaatca	caacgtgaga	acgtcacaat	ccaatcacta	46980
gtgtctatag	ctgagtagac	caagcagcag	aaagaatctc	agagcttgaa	aactgtcttt	47040
ctgaaataag	acaggcagac	aagaatagag	aaaaaagaat	gaaaacaaac	aaaacctcca	47100
agaaatatgg	gattacgtaa	aaagaccaaa	cctacaactg	attggagtac	ctgaaagaga	47160
tggggagaat	ggaaccaa	tggaaaacat	acttcataat	gtcatccagg	agaacctcgc	47220
caatctagca	agacaggcca	acattcaaat	tcaggaaatg	tggagaaccc	cagtaagata	47280
ctccacaaga	agatcaaccc	caaaacacat	aatcatcaga	ttacccaagg	tcaaaatgaa	47340
agaaaaaatg	ttaagggcag	ccagagagaa	aggccagggtc	atctacaaaag	ggaagcccat	47400
cagactaaca	gtggacctct	cagcagaaat	cctagaagcc	aaagaaaactg	gaggccaata	47460
ttcaacaatt	tttttatattt	ttgttttttt	gagactgagt	ctcgtctgtg	caccagggt	47520
ggagtgcagt	ggcgcgatct	cagctcactg	caagctccgc	ctccgggtt	cacgccattc	47580
tcctgcctca	gcctccgaa	tagctgggac	tacaggcgcc	cgccaccgcg	cccagcta	47640
tttttgtatt	tttagtagag	acggggtttc	actgtgttag	ctaggatggg	ctcgatctcc	47700
tgacctcgtg	atctgcccac	ctcggcctcc	caaagtgtg	ggattacagg	cgtgagccac	47760
tgcgcccggc	ctcaacattc	ttaaagaaaa	gaattttcaa	cccagaattt	catatcaggc	47820
caaatttaagc	ttcataagt	aagaagaaat	aagatccttt	tcagacaagc	aaatgctgag	47880
ggaattgtta	caaccaggac	tgccctgcaa	gtgctcctgc	aggaagcact	aaatatggaa	47940
agaaaaaact	taccagccac	cacaaaaaca	cactgaagta	cacagaccag	tgacactatg	48000
aaggaaccac	ataagcaagt	tggcaaaata	aacagctagc	gtcatgatga	caggatcaaa	48060

ttcacacata	acaacactaa	ccttaaatgt	aaatgggcta	aatgccccca	ttaaaagaca	48120
gagaatggca	agctggccaa	agagcaaaga	cccgtcagca	tcagcaaaca	cccagatgct	48180
gtcttccaga	gacctatctc	aagtgcagag	acacacatag	gttcaaaata	aaggaaatgga	48240
ggaaaaattta	ccaagcaaac	ggaaaaacaga	aaaaagcaag	ggttgcagtc	ctagtttctg	48300
acaaaaacaga	cttttaacca	acaaagataa	aatagacaag	ggcattccat	aatggtaaaa	48360
ggctcaattc	aacaagtagc	gctaagtatc	ctaaatacat	atgcacctaa	tatgggaaca	48420
accagactca	taaagcaagt	tcttagagcc	ctacaaagag	acttagactc	ccacacaata	48480
atagtgaaa	actttaacac	tccactgaca	atattagaca	gatcattgag	acagaaaatt	48540
aacaaagata	ttcaggacct	gaactaaact	ctagattgaa	tggacctgat	agttatctac	48600
agaactctcc	acccaaaaac	aacagaatat	acattctttt	catagccaca	tggcactcta	48660
aaattgatca	tataatcaga	agtaaaacac	tcctcagcaa	atgcaaaaaga	actgaaatca	48720
taacaaacag	tctctccaac	cacagcacaa	tcaaattaga	actcaagaat	aagaaattca	48780
ctcaaaaacca	tacaactaca	tggaaatgaa	caacctgctc	ctgaatgact	cctgggtgaa	48840
taatgaaatt	aaggcagaaa	tcaagaagtt	ccttgaaact	agtgacaaca	aagagacagt	48900
gtaccagaat	ctctgggaca	cagcgaaagc	tgtgttgaga	gaaatttata	gcactaaatg	48960
cccacatcaa	aaagctagaa	agatctcaaa	tcaacaacct	aacatcacaa	ctaaaaaaac	49020
tagacaacca	agagcaaaaca	aatcccaaaag	ctagcagaag	acaagaaata	accaagattg	49080
gagtgggaact	gaaggagata	gagacacaaa	aaaaaatttc	aaaaaaccaa	caaatccagg	49140
agctgatttt	ttttgaaaaa	aaaaaaagtta	ataaaataga	ctgttaccta	aactaataaa	49200
gaagaaagag	aagaatcaaa	tagacacaat	gacaaatgat	agggggggata	tcaccactga	49260
cctcacagat	acaaacaacc	atcagagaat	gctataaaca	cctctatgca	cataaactag	49320
aaaatctaga	aggaatgggt	aaattcctgg	gcacaaacac	ttgcccaaga	ctgaaccagg	49380
aagaaattga	atccctgaat	agaccaataa	tgagttctga	aattcaggca	gtaacaaata	49440
gcctagcaac	caaaaaaagc	ccaggaacag	acgaatttac	agctaaattc	taccagaggt	49500
acaaagagga	gctgggtacca	tttcttctga	cactatttca	aacaattgaa	aaggaggggac	49560
tcctccctaa	ctcattctat	gagaccaaca	tcctcctgat	acaaaaacct	ggcagagaca	49620
caataaaaaa	acaaaacctc	ggacaaatat	ccctgatgaa	catcaatata	aaaatcctca	49680
ataaaatact	ggcaaaacca	atccagcagc	acatcaaaaa	gcttatccac	cacgatcaag	49740
ttgacttcat	ccctgagatt	caaggttggt	tcaacatatg	caaataata	aacgtaactc	49800
atcacataaa	ccacatgatt	atctcgatag	acacagaaaa	ggcctttgat	aaagttcaac	49860
atctcttcaa	taaaactctca	ataaaactaag	tattgaggaa	tataacctaaa	aataacaaga	49920
accatctatg	acaaacccac	agccagtatc	atactaagta	ggcaaaaagct	ggaagcattc	49980
cccctgaaaa	ctgggcacaag	acaaggatgg	cgtctctcac	cactttttatt	caacctagta	50040
ttggaagttc	tggccagggc	aatcaggcaa	gagaaagaaa	taaagtgtat	ctaaatagga	50100
agagaagaag	tcaaactgtc	tttgtttgca	gatgacatga	tcctatgtct	agaaaacccc	50160
atcgtctcag	cccaaaacct	tcttaagctg	ataagcaact	tcagcaaagt	ctcaggatac	50220
aaaatcaatg	tgcaaaaatt	gctaacattc	ctataaaacca	acaacaggca	agcagagagc	50280
caaatcatga	atgaactccc	attcacagtt	gctacaaaga	ataaaaatacc	taggaatata	50340
gctaacaagg	gaagtgcagg	gcctcttcaa	ggagaactgc	aaaccactgc	tcaaggaaat	50400
cagagaggac	acaagcaaat	ggaaaaacat	ttcatgctca	tggataggta	gaatcaatat	50460
tgtgaaaatg	gccatatggc	caaagaaaat	ttatagattg	aatgctattc	ctattaaact	50520
accattgaca	ttcttcacag	aattagaaaa	aactattata	aaattcatat	ggaaccaaaa	50580
aacagcccca	atagccccaa	tatctttttg	cttaggattc	taagcaaaaa	gaataaagct	50640
ggaggcatca	tgctacctga	catcagactg	tagtacaaga	ctacggtaaa	caaaacctca	50700
tggtagtggt	acaaaaacag	atacatagac	caatggaaca	gaatagagaa	ctcagaaata	50760
agaccacaca	cctacaaaaca	tctgatattc	aacaaatctg	acaaaaatga	gcaatggggga	50820
aaggactccc	tattttaataa	atgggtgctgc	aaaaactggc	tagccatatg	tagaaaaattg	50880
aaagtggacc	ccttcctttac	accgtatata	aaaattaact	caagatggat	taaagactta	50940
aatgtaaaaac	ccaaaactgt	aaaatcccta	gacgaaaatc	taggcaatac	cattcaggac	51000
atagacattt	catgacgaaa	atgccaaaag	caattgcaac	aaaaccaaaa	attggcaaat	51060

ggggtcta	at	t	aa	gag	ctt	ctgcacagca	aaagaaactg	tcatcagagt	gaacagacaa	51120
cctgcaga	aat	gggagaaa	at	ttt	tgcaatc	tatccatctg	acaaaggat	aatatccaga		51180
atctaca	agg	aacttcaaca	aat	tttacaag	aaaaaaaataa	ccccattaaa	aagtgggcaa			51240
agggc	atgaa	cagtcacttc	tcaaaa	agaag	acatacatgc	agccagcaaaa	catgaaaaaa			51300
agctca	acat	cacagatcat	aagagaaatg	caaatcaaaa	ccacaataag	agggtgggtgg				51360
gtcactt	gag	gtcaggagtt	caagactaga	tctagaatca	gaaataccat	ttgacccagc				51420
agtctt	atta	cgggggtatat	accaggaat	ataaatcatt	ctattataaa	gatacatgca				51480
tgcata	actt	cactgcagga	ctattcaca	taacagagac	atggaatgaa	cccaa	atgcc			51540
catca	atgat	agactggata	aagaaaatgt	ggtacatata	taccgtggaa	tactatgcag				51600
ccata	aaaaag	gaataagatc	atgtcctttg	cagggaactg	gatggagcaa	actaatgcag				51660
gaacaga	aaaa	ccaaacactg	catgtttcta	cttataagtg	ggagctgaac	tatgagaaca				51720
cataga	caca	tatgggggaga	acaacacaca	ctggggcctg	ttgggggaagg	ttgggggagg				51780
gagag	cataa	ggaagaacaa	cta	atggatg	ctgggcttaa	tacctagggtg	atgggttgat			51840
ctgtgc	agca	aaccacctgg	cacatgttta	cctatgtaac	aaacctgcac	aggtagcctg				51900
gaactt	aaaa	gttaaaaaaa	ttttaaaaaag	aagagaactt	cctcaacctg	ataatgtgca				51960
tctata	aaaaa	aacctatacc	taacatcatt	ttta	atggta	aaagaccgaa	tcctttccca			52020
ttaggat	cag	aaagaagaca	agatatccac	tctcacgact	tctattcaac	actggagggtt				52080
ttagcc	agtg	caataaggta	agaaaaataa	acaaaagtca	cctacttttt	aaaaaaagta				52140
agaatga	aaaa	tattttttacc	ctcagatgac	ctgatcacct	atgtagaaaa	tccagtga	aaa			52200
cattt	aaaaag	gaagaaacag	ggcaggcatg	gtagctcacc	cacccaaagt	gtaatccac				52260
cacttt	ggga	agctgagaca	gaaggatcac	ttgagggtcag	gagttcaaaa	ccagcctggg				52320
cacagag	tga	gaccttgtct	ctataaaaaa	ttaaaaaatt	agctgggcat	gggtggtgcat				52380
agcttt	tagac	ccaaacactt	agaaggctga	gggtgggagga	ttgcttgaat	ccaggagctt				52440
gaggct	acag	tgagctaaga	ttgtgccact	gcactccaaa	ctgggtgaca	gagccagacc				52500
ctatct	ctaa	acaaaacaaa	actactagaa	ctaatacatg	agtttagcaa	ggttgcagga				52560
tacaag	atca	atgtacaaca	ctcaactgta	tttccatata	ctaacaacaa	ataattgaaa				52620
aagtga	aat	aaaagcaata	ccattttaca	cagcatcaaa	tagatgaaat	atttagggat				52680
aaccta	acaa	acaatgtgaa	atgcctgtac	actgaaaact	ttaaaacatt	gctaagagaa				52740
ttttta	aaaaa	tctaaataaa	tgagataca	ttgtgttgct	gggttggaag	actcaatatt				52800
gttttaa	atgt	cagttcttcc	ctagttgatt	tatagactta	atccaataac	agtcacattt				52860
ccttttt	tttg	tataaattga	caaactgatt	ataaaattca	tgtgaaaata	tgaaggacct				52920
agaatag	aca	aaacaacttt	taaaaagaat	gaagttggaa	gactaggacc	acctgatttc				52980
aagacat	att	acaaaactaa	cagtaatgca	gacagtttgg	tactgggcaa	ggatagacat				53040
attcat	caac	agaacagaat	agactacaga	aataaatcca	catgtatatg	gtcaactgat				53100
tttca	acaaa	ggtacaaagg	caattcagtg	gagaagggac	agtccttttc	gcaaatactg				53160
ctgga	acaaa	tgtatatcca	tatgcaaaaa	tgaactttga	tctagctaca	tgttacacca				53220
tatta	agaaa	ttaactcaaa	atggatcaca	gacctattta	taaaacctaa	acctgtaaag				53280
tttata	aaaaag	aaaacatata	agaaaaat	ttgtgacctg	gaataagcaa	atatttctta				53340
ggtaca	aat	caaaaagcatg	gtccataaaa	gaaaacactg	atgaattaga	ctttttaatc				53400
atta	agaaca	tcttctcttt	caaagagaat	cttaagagaa	tgagaaaaaag	ccacagacta				53460
gaata	aaaata	tttgaaatca	tatatctggc	tgggtgtggt	ggctcacgcc	tgtaatccca				53520
gcactt	tagg	agggtgaggt	gggtggatca	cctgagggtca	ggagttcaag	accagcctgg				53580
ccaac	atgg	gaaaccccg	cttactataa	aatacaaaaa	aaaatgagcc	atgcgtgggtg				53640
gaggc	acctg	taatcgtagc	tactcaggag	gctgaggcag	gagaattgct	tgaactcagg				53700
aagcag	agg	tgcagtgagc	caagattgct	ccattgcact	ccagcctggg	tgacaacagt				53760
gaaact	ccat	ctcaaaaaaa	aaagaaaaaa	aaaaactcta	aaaacgcaat	acagtgggtgc				53820
tccctt	atct	gtgggttttgc	tttccatgg	ttcagttacc	tgtgggtcaac	catggcctga				53880
aaatatt	aaa	tggaatattc	cagaaataac	caattcatag	gttttaaaatt	gtacaccttt				53940
ctgagg	agca	tggtgaaatc	tcatgctgtt	ccactctggc	ccacccagga	cacaaatact				54000
cctttt	gtcc	aacatatcca	tgccatatac	actacctgcc	tgttagtctc	ttagtagcca				54060

tcttgattat	cagattgcct	gtcatggtat	tgaagtgcct	tgtgttcaag	taacccttat	54120
tttgcggtgg	ccccaaagtt	caagagtaat	gatgctgaca	tattgttata	atttggtatg	54180
gtttggctct	gtgtccccac	ccaaatctca	tctcaaattg	taatcctcac	atgtcaaggg	54240
agggacctgg	tggaaaggtga	ttgggtgatg	ggggcagttt	ccctcatgct	gttctcatga	54300
tagtgagggga	gttctcacaa	gatctgggtt	tttgttaaagt	gtctggccct	ttccccctgca	54360
cactctctct	ctcctgccac	cttgtgaaag	tgtgtcttgc	ttcccccttg	cctttcgcca	54420
ttattgtaag	tttcctgagg	cctccccagc	catgcagaac	tgtgagtcaa	ttaaacctgt	54480
ttttctttat	aaattattca	gtctcatgta	gtacctttat	agcagtgtga	gaacagacta	54540
atacataatt	gttttattat	tagttatggt	tgccaatccc	ttactgtgcc	taattttataa	54600
attaaacttt	attataggta	tatatgtata	agaaaaatca	gtatatatgg	ggctcagtac	54660
tatccatggt	ttcaggcatc	cactgggggt	cttggaatgt	atccccctc	agataagggg	54720
gactattgta	ataagaaaac	aattcaatat	tttaaaatgg	gtaaaagatt	tcaacagata	54780
cttcaccaaa	gaagatatat	ggatgacaaa	taagcatatg	aaaagatgtc	caataccatt	54840
actcattaag	gaaatgcaaa	ttaaaactac	attaaaatac	cactacacac	tcattagaat	54900
ggctaaaatt	aaaaagactg	agtaaatccc	atgttggcac	acactgctga	ggagaacata	54960
atttggtcca	accacttcac	tttggaaggc	agtctgggag	attattttatt	tattttattcc	55020
attcctggct	gatttttttt	atagaaaatg	agtttcacta	tgttcctcag	gttggtctca	55080
aactcctggg	ctgaagcaat	ctgcctgtct	tggcctctca	aagtgctagc	attgcaggca	55140
tgagccaccg	cgcccggcca	tggcagtttc	tttaaaagtt	cagcatatac	ctatgatgtg	55200
atctagctat	gccactctta	ggtttttacc	caagagaaat	gaaactgcat	gtccatacaa	55260
agacttgtag	gccaatgttc	atagcaactt	tctttgtaat	agccaaaaac	tggaaatagc	55320
acaaataccc	attagcaagt	gaatggctaa	acaaattgta	gtatatccat	acaatagaat	55380
cctgctcagc	aattttaaac	atgaattatt	gatacttgga	agaacaaaga	tgaatctcaa	55440
aataattaca	ctgaatgaaa	gaagccaggc	aaaatgacta	catgctatgt	aaatccaatt	55500
ccacaaagtt	ctataaaaact	aaactaatct	attgttaact	aatctgtagt	gacagaagca	55560
gatcagtcgt	tgcctgtgga	tgagtagggg	tggcaaagag	tcaggaaagg	aggatgacaa	55620
aggggcatgt	ggaagctttt	tgggggtgatg	gatatgttta	taccttgatt	atgggtatttc	55680
acagggtgcat	acatatatca	aaacttatca	aatcatgtac	tttaaatatg	tatgtcatgc	55740
actttaaatt	gtgtgccagt	tataacctta	taaagctagt	aaaactatta	tacattctta	55800
tttttctgag	caggttctca	tggagaacaa	aatacaccat	acctagtgtt	cgttttcttt	55860
tttttaatta	attaattaat	tgatttttat	tagtgttcat	ttcaaaggac	cttgctaggt	55920
gtcctaaaac	ctatctgatg	actttgcctg	atactgatga	ttttattatg	attttaaaaa	55980
atatttttag	tagagacggg	ttttcgccat	gttgggcagg	ctggctctga	actcctgacc	56040
tcaagtgatc	ttcccacctc	agcctcccaa	agtgtctggga	ttacaggagt	gagccaccat	56100
gctcagccaa	tactaataat	tgatatggga	gaatgttttg	tttttcctag	attcctcatg	56160
cagcttaata	aggaccataa	taacttaact	cttagaacia	aggagatatt	tcaggcccaa	56220
aggggaagcac	atctggtgcc	tcctctgaaa	ttcacaaaat	aagggcgttg	ttgtaagttc	56280
tgcatgaagc	taaacttggt	caaagtttat	aagttcaaaa	gtaaataaaa	ggactatctt	56340
ttattctgag	accttatatt	aatatcactt	gtgataatga	ttatagatcg	tagctgttat	56400
ttacatatatt	ctacttctca	gggttaaagg	tggcatttcc	acagcagtat	ctgggatttt	56460
attgcctatg	aaatcaagaa	ggtagagtaa	caagaattgt	gtagggtatg	agcttttacc	56520
ttacatgcaa	gttaacaagt	tagcctggta	atgtttgatg	gatgttagct	aaagacatga	56580
gactcttggg	tcagagaaaa	aacacttgat	tactcatggc	aaaagcagta	atcagaactt	56640
aatattgagc	ttttactggg	ttccatgccc	cacgtgccat	gaggggaatg	aaagtcccat	56700
aatggatggt	tatggatggt	tgcacacaca	cagtgggcta	ccatttaagg	agagggaatcc	56760
tgagcctggg	aagtccactg	cttttatagt	gagttgtaac	aagcctgttc	tttgtctagg	56820
ggaagatggt	acctgatccc	tcaaggttgc	tcattacaaa	cacaaccctg	agaaatggcc	56880
tggataaaga	gcagtcagag	ccttgcttct	tggcatacct	gacaagaatg	cacagagctg	56940
ctcagggccc	ctggtagggt	tgccctccac	actagggact	gtgcatggag	gcacctgcca	57000
cttctgcctg	catcctgggc	tagcgtgaca	gtcagagaca	cagacaccag	tgaatggctg	57060

aaatatgttc	ctgtggctctt	ctcactccac	tacaacttcc	ttcccagtta	gggtcccat	57120
gcaggccctt	tgagctgcac	ctggcagagt	tgagttacat	actttcatgt	accctgctga	57180
gtttgtcttc	tttgcccttca	gaaattccaa	catactacat	gagtcatgg	tcttggtatt	57240
attgttatac	ccttctcaga	atctctctga	ctccccagat	ttcacatcgt	tttccatttt	57300
tgtaaaaggc	ctcaaggctct	ccatgctatg	gagaagagtt	atactcatct	tttctttatt	57360
cttgcatctc	tgaaagccctt	acattagcat	ccaagtgagg	tttctctatc	aatatcaaca	57420
gtaaatat	agtgaactaa	acacctacta	tgctcagcat	aatgtataaa	atatgattta	57480
agggttcctg	ggagcttcaa	atgcatcacc	tgggtgcaaa	aacatgagga	aaccaaaaag	57540
tacattctgg	tggttttttt	aatagcattt	aaaaaataat	gccttgctgc	agggatagga	57600
gctgtgctgc	tttcatatca	attctgttct	ctttgtgggt	tgagaaactg	gagctgaagg	57660
gaaggtgatt	gggaataaaa	gaaagcagta	ctgatttttc	tggctaaaaa	aaagtttgca	57720
cactgtcatg	cactattaga	atttctggga	tcttctttat	aatccccgg	ttgatgggta	57780
ttggccaaga	aggaagaagg	ggagctagtc	aggcctagaa	taattaccag	ccatacagca	57840
taatctgggg	ctagtgttgc	agggtcaagg	actgaatgag	gcagagtgc	caggagcaga	57900
tcctgcaagg	ccttgaccaa	aaaggaagct	aagggtcata	gaaggaaaat	attgtattga	57960
tcacaaattc	tagaggattg	ggcatagagc	caaaaatagg	aggtgtatca	tgagatcaaa	58020
agccattgg	ggccaagcgc	gatggctcac	acctataatc	ccagcacttt	gggaggccaa	58080
ggcgagcaga	tcacttgagg	ccaggagtct	aagaccagcc	tggccaacat	ggcaaaaacc	58140
tgtctctacc	aaaaatataa	aaattagctg	gccatgggtg	cacatgcatg	taatcccagt	58200
actcaggagg	ctgaggcagg	agaatcactt	gaacctggga	ggcggagggt	gcagtgagcc	58260
gagatcatgc	cactgtactc	caacctgagt	gacagagtga	gacctgtct	caaaaaaaaa	58320
aaaagccact	ggtatgtagg	aatgggtcag	gaaaaaagtg	caaagcagaa	atgagggtgaa	58380
aatatataga	actatgaaca	ggaatgaggt	ctttcttgag	tactggctgc	cagatggagt	58440
acgagtgggt	cagcagaagt	taatgaggta	ggttaaaagt	taatgcatag	gaatagtttc	58500
tgcacagtct	tctgatgctg	tccatcctgc	agtcaggcct	atatcaatat	cagccctaga	58560
tgaagtgggt	acaccctcct	ttgtgcacct	actgttacaa	atagtcatgg	ctgtcattac	58620
tccatcacag	ctgatggcac	ttactagggt	gagagaagcg	gggctctgtc	tcccttacca	58680
tacagtgagc	tccttgagtt	tattcatctt	tgtgtttcca	ttgtgcctgg	actgcgcact	58740
gtttcccga	tgaacaaatt	aactggccta	gaatatactt	atgatgataa	aggtcagttc	58800
ttagattatt	gttttcattc	tttaactgtt	taagataatg	tcaactctat	gtaaaaattg	58860
tgccctaggt	aagcagttgc	tttttattat	tattctctct	ctttcttgat	ggttactccc	58920
tctaggagcc	caaagcatga	cgtccagagc	cccagattcc	cagccatcct	ggttgtgacc	58980
cttcattctc	aactttcatt	tcaatcttag	tatgccatga	aaagccgtct	gcttttgaag	59040
cactatcagc	cacagagttc	tgtactttta	gaaggccctt	tcatagtcag	attctcacia	59100
atatacctat	tgtttcaata	aatatttatt	gaattggcca	gcaatgtttc	agatactgtt	59160
ctagggtgctg	gggttacatc	aaagaacaag	gtaggcaaaa	tactaccct	cgtggacttt	59220
gctttcctgg	agggggaata	ggcaggacat	aaaaataaatt	gtaaaactatt	cgggatgtta	59280
gtgatcagag	aagaaaaagta	aaacaggggac	agtgaatggg	gactgtcaga	gtggtagttg	59340
ctattcaaga	tcatttgacc	aagggaaggcc	tcgctgagga	agtaacattt	gagaatagac	59400
ttgaaaggca	taaaaaaaca	agtcattagg	taaaaaccat	tccaggcaga	aggaacaaat	59460
aatgcaaagg	gccagggatg	gaaacatctg	tagtgttcag	gggaaagcaa	ggaggccagt	59520
gtgactggag	cagagtagat	taggcaaaga	acaggagtag	ataagatcag	caaggtaatg	59580
gggtgccacat	cacgtaagg	cacacaggac	agtgtaatga	ctttggcttt	tactctgtta	59640
tggggagcca	ttgcaggatt	gggagctgtg	aaatggcaca	ccttgcttac	atctaatagg	59700
aaatctgctg	ctgcattgag	aatagacctt	taaaatttta	aagagatata	tatggcatta	59760
ccttaaaata	agtcatgctc	cttggagtgc	ctcaattcat	gtacattaat	gggtaaaagt	59820
ggaattcaag	aaaccctgga	aatgtatggg	ggagtcctct	ttgtttctcc	tctgctcatg	59880
tctgggtgggt	gagcactaac	gccatctctt	cctaagcgag	ggctcccctag	cagagcaccg	59940
tgcacatgga	ttcttcctat	gctctgcatt	ctttgccaca	gggatgccat	aatttgga	60000
tatgcagtag	agactgcctc	aagaggcagt	tcccttcttt	atctaagcca	agagaaattt	60060

ggttctgcaa	gtaacaagta	attactgctg	atgacattcc	ttgtacacac	ttgaagagag	60120
cgtggaccgc	aaaaataaaaa	ctggagcaaa	aagggactat	cagataatcc	agattaaaga	60180
ttggaaaagga	ggaaaacaca	ttattttacac	atacaacact	tgatttttatg	agtagagaac	60240
acaacttatg	tgtatgtacg	ttgtacactt	gattatatgt	gtagagaatt	caaaaagtgtt	60300
cagataaatt	atttagactt	aaaaagagac	aaataattttt	gggaagggtga	tagtggcagt	60360
agtagcatag	gttttagata	ttcctgaatc	tccacataaa	aacagcaact	agatagaaga	60420
cacaaaactc	atgggcaaca	aaataaaaatc	catttacaag	aaaattagat	gatgagggtat	60480
tcttatgatc	ctcaaaaatat	aaccggttgg	ggaaagacca	cccacagcca	caagagctgt	60540
gttattttgtg	tctacgtagg	agaaataaga	gagaggcaat	ggacatctga	cagacctgag	60600
aacagagaac	tcaaaaatagc	ccaaagggtat	tcactggaaa	gcatgggtgg	ggcaatttga	60660
gatcagcagc	tgaaacttaa	taaggggtga	gtgcaaggga	tccacctctg	gaagggtctaa	60720
aaggaatgca	gcagtctagc	tgctgtgaaa	tttctagact	gatctggtgg	ggctccccttc	60780
caagatagga	tctcatgaag	aagagaaact	gtgggggagta	ttgagctcaa	aattgagcag	60840
aatgaagaca	atacagatga	agaaggaaga	ggaatatcca	aatgaaagca	tatcagagtc	60900
aggaaatctc	cttggaaaagc	aagccagagt	atTTTTTaaac	accatattaa	tacaatatag	60960
caaaggaacc	atgtgaagtt	agaaaaagcta	tctgaaccaa	atgtctTTTT	aaaatcacat	61020
aaaaactaaa	ttcacaccca	caaaaaatcta	cagcaggaaa	atatcaaggc	caaatccaac	61080
acaacattat	taacctaaga	aagagaataa	ggggaatatc	tgcagacaat	gaaagcatgc	61140
caaaaagata	tgattgaaaa	tagattgaga	ccctaattgta	ctatttcagg	tgcatcctaaa	61200
gacattgaag	aagtcataata	agacatagaa	aagcaacata	aatcaaatta	ggaagctcag	61260
aaatgagaca	attcaagaaa	aaattagaaa	taaacatcta	aaaatgaagg	ctgatctaga	61320
aggaaactcaa	caacaaatga	atacaacata	attctTTTaaac	ataaataaaaa	ggtagaaagg	61380
aagaaaattt	ttttaaattgga	atgaaaaaaag	atTTTTTaaaa	agTTTTTgaaa	gaaaaacaaca	61440
aatattgaaa	ataggcaaaaa	aagatcaatt	tatcaataat	aagagtccct	gaaaaagaaa	61500
ataaaaagcaa	ggaaaagaaaa	caagtataaa	acaaacaaaa	ccctctaatt	taagaaaact	61560
gaaaaatttga	aactacgtat	ggaaaagaaca	cactgtgtac	ttgagtatat	cataatgact	61620
aagttcagca	gagttgttgg	atgaaagggtc	tatgtgtaaa	caccattttta	tgtaacattt	61680
aaacaaaattt	tttagatcat	ttaaaacagc	ataaaaaata	taaaatccta	tttgtgacgg	61740
ctttctagt	tgtaaaacttg	actaggccaa	actacatttc	ctagaattct	ctttcttgta	61800
tgTTTTctga	ccacaaagga	gattctttct	agatttggaa	agctaaggga	agttccagcc	61860
atcttatagc	acacacattg	ttgcgaacct	gctgatccac	ctactggggt	gaagcagagc	61920
tgacatgca	attgctctac	cttccccctgg	accctccatt	aacttgtcag	gccccctgggc	61980
cagggtgtgtg	tgattagctc	cacgacaaaag	ggccacagct	tctgcaggat	atactcatta	62040
cctagatcag	aggcaacaat	aactgacatg	ggtttcagtc	tcttcacagg	ggtgtgagca	62100
tgctctaatac	tcttgattttt	ccctcctgac	tgccctgcctt	gtagacttca	agctctagca	62160
tcagatgtgg	agacaacagc	cttacagaga	ctgcttaaag	agctcccaaa	attgcataac	62220
tcaactgcct	gtgacacatc	catatatctc	tttttgaatc	ctggctaata	cagtaggaaa	62280
agatatgcat	tatctctata	tagaaaaatca	taaaaatattt	tgagaggaat	taaattctat	62340
attcattgat	cagaagactt	aatattgtaa	aaatatcatt	tctccccaga	ttgatataata	62400
ggttcaatgc	aatagaaaatt	ccaacaactt	gcatatgtgt	gtgtgaaaact	tgacaagcta	62460
aatctcaaat	ttatacggaa	attcaaagggt	ctaaaaatag	gctggaaaga	aaaggacaag	62520
ctgggcgcg	tggtctacgc	ctgtaatccc	agcacttttg	gaggccaagg	cgggcagatc	62580
acatgagggtc	gggagttcga	gaccagcctg	gccaacatgg	cgaaacaccc	tctctactaa	62640
aaatacaaaa	atttgccggg	catgggtgggg	ggcgcttgta	atcctagcta	cttaggaggc	62700
tgaggcagga	gaatcacttg	aaccaggag	gcagagggtg	cagtaagcca	agatggcacc	62760
attgcactcc	agcctggatg	ataagagtga	aactctgtct	aaaaaaaaaa	aaaaaaaaata	62820
ggacaaaagt	agaggatttc	ttcttctgga	tatcaatat	tactataaaag	ctagtaatta	62880
aaacctgcta	aatatgggtat	tggagcaagg	agagacaaat	agatcaatag	aacagaatag	62940
agagaatcca	gaaagagtca	aggatatata	gatgcttttc	aataaatggt	gcagggtcag	63000
ttggctatcc	acatggagaa	aaaagtgcaa	cctgaatcca	cctcaacaaa	attacttcca	63060

ggtgaactac	tgaaatggaa	aacaaaaaaaa	cttcaggaaa	gtcatagaag	agagtatctt	63120
tatgaactag	ggacatgaaa	atatgttaaa	cagaacacaa	caagtattat	tcataaggga	63180
aaatattgtt	aaattgctct	acattcgttc	aggagcagcc	tgggcaacat	ggcaaaatgc	63240
cgtctctgct	aaaaatacaa	aaatacagcc	aggcatcggt	gtgcatgcct	gtggtcccag	63300
ctactctaga	ggctgagggtg	ggaggatcac	tggagcctgg	gaggcagagg	tcacagtggg	63360
ctgagatcac	gccattgcac	tccagcctgg	gtgggtgaca	gaggaagacc	ctgtctaaat	63420
tgaaaaaaaa	aaaaaagctc	tacattagaa	attgagaact	tctgttcatt	aaggacatca	63480
ctaaggaaaa	aggcaagcca	tagactggga	caatgtattc	acaatgcata	tgtcatcaaa	63540
gaatctttat	tcagaataaa	aaagtgggaa	tctatatgaa	aacatagaaa	atccactttt	63600
ttaaaaaatgt	gcagtcttat	gtttatcaca	gcactgttca	cagtagtaaa	gtcatagaat	63660
ccatctaagt	gtccatcaac	agatgattgg	attaaaaatgt	ggtatatattt	tgccatggaa	63720
tactatacac	ctataaaaaat	aaatgaaatt	atgtctttttg	cagcaatgtg	gatggaactg	63780
gaagccatta	tgcttactga	aatgactcag	aaacagaaaa	tcaaaaacca	catgttctga	63840
ttgataagt	ggagctaaac	agtgggtata	cacggacata	caaggggcat	aatagacact	63900
ggagactcca	aatgggtggga	ggatgggagt	gggtgaggga	tgaaatacca	cctttcaagt	63960
acagttcagg	tgattgggtac	acttaatgcc	cagatttcac	cactgtgtaa	tatatccatg	64020
taacagaact	gcatttgtat	ccctaaatcc	ataaaaaataa	aaaaatttaa	tttcaaaaaa	64080
taaaaaatgt	gcaaaaagata	tgaacaggta	catcacaaaa	gaacaaatcc	agatagccaa	64140
taaacaaatg	aaaaagggtc	caacttcatt	agtcatcaga	gaaatgcaaa	ttaaagccac	64200
agtgtgataa	tactacatac	tcacttgaat	gtctgcaatt	aaaaaaaaga	ctgacaaaac	64260
caagtgttga	gaaggatgta	gaacaactgg	aattctcatg	catagtgtgg	aagtgtgcat	64320
tgatacaatc	acttttgaaa	actgttttagc	agtatctact	aaacttgaac	atattcatac	64380
cctgtgtcct	agcaattcca	gcaaaaattgc	atacatatat	tcacccaaat	aatgcactag	64440
aatattcata	gcaacactat	ttgtaatagg	cccaaatgtg	aaactgtttg	aatgtccatc	64500
aacagttata	atatctattt	ataatgtcca	atatatcaca	gtatactcca	tgccacaata	64560
tagatggctc	tcacaaaaat	aataaatagt	gttgagcaaa	ggaagccaga	aaaagagatt	64620
ataccctatg	ttactctttt	tacatgatgc	acaaaaacag	gcagagctaa	tctaagatgt	64680
tagaagtcag	attgggtggg	tggagaaaag	ggagaataga	gcaagaggaa	gacttctgaa	64740
gcactaataa	tatgtttttt	gacttgcatt	ctgggtgccc	agggtgtgtca	gtttttgaaa	64800
attcagtgaa	ttatacatct	atatatatgc	atttttgttt	atgcataatt	ttcttcagca	64860
aaagtttaaa	aaataatctt	tgggcttcct	gaaaagataa	aaaggaaacg	tttaaaggat	64920
acatgtcaat	tttttagcag	agacaaaatt	tttaaatact	atttttctgaa	aaaaaattct	64980
ccctcacagc	tttatattta	ttattaatat	tgaaggatat	aatgaatagt	tttactgtaa	65040
atgcagaagt	aaattttata	agacttgttt	atggcaccat	taggaatagt	ttttaaaaaat	65100
cagaacttgt	gtttatcaaa	agacactatt	aaatgacacc	aaaagcacia	gtaacaaaag	65160
aaaaatgtgt	ttaatatcat	caaaattaaa	aatttctggc	caggcaccgt	ggctcacgcc	65220
tgtaatccca	gtactttggg	aggccgaggc	aggcagatca	caaggtcagg	agtttgagac	65280
cagcctgacc	aacacggtga	aaccccatct	ctactaaaaa	tacaacaaat	tagccaggca	65340
ttgtgggtg	cacctgtaat	cccagctact	tgggaggctg	aggcaagaga	atcgctcgaa	65400
cccaggagggt	ggagggttga	gtgagcgaga	tcttgccact	gcactccagc	ctgggtgaca	65460
gagcaagact	ccacctcaaa	aaaaaaaaaa	aaaaaaaaatt	ctgtgcttca	gataacacca	65520
ttaagaaagt	aaaaagaacc	tacagaatga	agaaaacgtt	ttcaaattat	ataatagacc	65580
tgataaggga	ctcacatcta	gatataataa	gaatgcttac	aactcaataa	tacaaagaca	65640
aataaaaacaa	tttttaagt	ggcaaagaat	ctgaatagaa	gtatctcaaa	aaagatatat	65700
gaatggccag	taggcacatc	attaccctta	agggaatca	aaatcacaat	gagttaccac	65760
tttgcattccc	ctaagatggc	tataatataa	aaattaacaa	gtgtttgtga	ggctgtggag	65820
agattagaac	cctcattcac	tcctcctagg	gatgtaaaaat	agtgtctgag	ctagggaaat	65880
agttttggcag	tttcccaaaa	tgttaaacat	aggggttacca	tatgactcag	tgattaagct	65940
cctaggtata	tactcaagaa	aatcaaaaaca	tatgtccatg	taaaaacttg	tacatgaata	66000
ttgatagcag	cattgtttat	aatatcccta	aaaggaaaca	acccaaacat	gtatcaacta	66060

ttgaatggat	aagtgaaatg	tggtatatcc	atacagtga	atattattca	gcaattaaag	66120
tgacacactg	actcatgcta	ggacatggat	gaaacttgaa	aacatgatgt	taggtgaaag	66180
aagctagtcg	caaaaagatca	catttgattc	catttatatg	aaatgaccaa	aatagacaaa	66240
tctataggga	cagaaaaggag	attcgtgggt	atatgtggct	ggggaaatgc	aaattaaaaac	66300
tactaggaga	tacataccga	tggtatgtat	gcttatcttt	aaattatctt	taaatttttt	66360
aagataataa	gataaagatg	tgaaactatg	aaactctcat	ttactcactg	ggagggtata	66420
aactggtaca	accacattag	aaaagaaatt	ggcgtatctt	ttaagattaa	caacacatat	66480
accttgagag	ccagcaaatc	catttctaaa	ttctactcag	tagaactatg	tgcatattta	66540
tatcaatagg	tgtacaaaaa	tattcatagc	agcattattg	taatcaccca	aatgttcattc	66600
agaagtataa	ggaataaata	aattgtggta	tattcctgca	atgggatatt	atatagcagc	66660
tacagttaca	cccagcaaca	tgtataaatc	tcacaaacaa	catcaaataa	aaaagccaac	66720
cacaaagtag	catccactat	gattccccatt	tatgaagttt	aaaaacaggc	ataactcaac	66780
tatagtatta	aaagtcaata	tagtagttca	ccttaaggga	gaagggaag	agtaaaaagt	66840
ataatatgag	gtagaatttt	gaggatattg	aatgttctct	ttcttgggtt	atagttttct	66900
atatgatgtt	ttctttgtta	caatttactg	agctatacat	ttttaatttg	tacacttaaa	66960
aatacatttc	ctggccaggc	gtggtggctc	gtgcctgtaa	tcccagcact	ttgggaggct	67020
gaggcaggca	gatcaggaga	ttgagaccat	cctggctaac	acagtgaaac	cctgtctcta	67080
ctaaaaatac	acaacaaaaa	ttagccaggc	gtggtggcgg	gcacctgtag	tcccagctac	67140
tcaggaggct	gaggcaggag	aatggcgtga	acctaggagg	cggagcttgc	agtgagccga	67200
gattgcacca	ctgcacttca	gcctgggtga	cagagcaaga	ttctttcaaa	aaaaaaatat	67260
atatgtgtgt	gtgtgtgtgt	gtgtgtgtgt	gtgtatgtgt	gtgtgtgtgt	gtctgtgtgt	67320
gtgtgtgtgt	attctggccc	aagattatag	ttttttttaa	ggcagtcctg	caggggtcta	67380
caattgtatg	agttataaat	aaggagtga	aatatcttca	gtgaactcct	gaacatgaaa	67440
accaagggtc	gactgcgaat	accttcttta	catacaacca	gacattatgg	aatgaatgtg	67500
ttccccccaa	attcatatgt	tgaagctcta	actcccagtg	tgtctgtatt	tggagatagg	67560
gtctttgggg	aagtaattaa	agttaaaatta	ggtcatacaa	cctacagaat	tggagaaaat	67620
atttgcaaac	tgtgcatctg	acaatggtct	aatacccagc	atctataaga	aacttaaat	67680
tacaagaaaa	aactaacaac	cctatgaaaa	agtgggcaga	gttaattttt	tcatgagcaa	67740
tggaaaaaaa	ttaaaaagtc	tgaaaagcagg	caaagaacat	gaacagacac	ttttcaaaag	67800
aagacataca	tgagccaac	aggcatatga	aaaaaagctt	agtatcactg	atcattagag	67860
aaatgcaaat	caaaaaccaca	atgagatacc	atctcacacc	aattggaatg	gctactatta	67920
aaaagtcaaa	aaataacatg	ctggcaagat	cgcagagaaa	aatgaacaca	tacactgttg	67980
gtaggagagt	aaattagttc	aacattgtgg	aaagcagtgt	ggcgactcct	caaagagcta	68040
aaaacagaac	taccattcac	cagcaattcc	atttgtgggt	gtatacccaa	aggagtataa	68100
atcattctac	cataaagacg	caggcacatg	aatgttcatt	gcagcactat	tcacaatagt	68160
aaaggcatgg	aatcaacctt	aatgcccatt	aatggcagat	tggataaaga	aatgtggta	68220
catatacacc	atggaatact	atgcagccat	aaaaaagaat	gagatgatgt	cttttgtttg	68280
aacatggata	gagctagagg	ccattatcct	tagcaaacca	acacaggaac	agaaaaccaa	68340
atactgcatg	ttctcactta	taagtaggaa	ctaaatgatg	agaacacatg	gacacaaaaga	68400
gaggaaaaaac	acacactaca	cactacctga	gggtggaaga	tgggaggagg	gagataatta	68460
gaaaaaataa	ctgttaagtc	ctaggcttag	aacctgggtg	acaaagtatt	ctgaacaaca	68520
aacccccgga	cacgagttta	cctgtataac	aaacctgcac	atgtacccat	gaacttcaaa	68580
taaaagtctg	tgtgtttttt	aaggcagaag	tcagccccta	ccttgaaaga	actttctaca	68640
tagatggcta	cagtgttact	gagcgttttt	tttttgggtc	atcctgaatg	tcatgggaaa	68700
acttttaaac	tgctctggat	caagattagt	gcctgtggta	tttcatttct	cctactcaac	68760
tgttgagttt	acatgatctt	agaaaattctt	tttggcatat	tgatgactgt	tatcattcaa	68820
gttacatcaa	gagagacttc	tttctatgag	gagctattaa	gacctctttt	tggacacata	68880
cacaacttca	atttacctct	aagacaactt	attttaatga	aattgcttat	ttgtttgctt	68940
tagtccttag	attatatgat	catttgggca	gggactattc	tttgaatatt	tcctggcaca	69000
tttttgtctc	aataaagagg	aagggtgaagg	aagaaagaaa	ggaaaggaag	aaggaggagg	69060

ggaaggcatt	cttgttttct	atatcctaaa	cctataat	tgtcaaaaaa	gaatattaaa	69120
tttgcctaaa	atgttaacaa	aaaatagg	ataatgat	ggccctaatt	caacagggct	69180
ggtgtcccta	taagaggaag	aggcattgaa	gtttgctctc	cctgcatgca	caaagagact	69240
atgtgaggac	acagcaaaaag	gacagctgtc	tacaaaccag	gaagaggcct	cgccagaaat	69300
cagcccttga	aaaaacctgg	gtcttggact	ttttgcctcc	acaactgtga	gaaaataaat	69360
ttctgttggt	taagccaccc	agcctgtggg	gttttgttat	ggcagcccga	gcagactgat	69420
acaccagaca	ttcactgtat	ccaactgttt	caccataata	gcctttctta	ttttgatcaa	69480
attactgcat	caggatttga	tcttaaattt	catgtttcct	ttgcttttgt	aaatgtagct	69540
gagcatccaa	atttctactca	gtttggatgc	taacaagatt	agacagttaa	ctgacagtaa	69600
tcagtgcctg	atcctattct	gtgtcttctt	ccatcaccat	cccactaaag	agcttgcat	69660
ttttgtttct	tttagccaga	tagtaaacad	ttttcaggca	ttttgaattt	tgccattgta	69720
aatggtgaaa	gattctctct	ctctctctct	ctctctctct	ctctctctgt	gtgtgtgtgt	69780
gtgtgtgtgt	gtgtgtgtgt	attaggagg	ggtggtgatc	gggatgctaa	tctatgcaca	69840
gtgacctttg	tttctatctg	gctgagcaga	tgtaggaatt	aatcattgtc	actcctggat	69900
ggtgtgtctg	cagctgtccc	ccactgcctt	tctgcccctg	atagatttat	tagtgtgttt	69960
tgtttgtctga	aaagcatgcc	tcagcacaga	agaactggca	aattagagaa	gctttatctg	70020
tgagtataat	tttttggaaa	catggttttt	tctacacatc	tgtacctata	tactctgagc	70080
tctttaaaaa	aaaggaggag	gaagagagca	aagaaagaaa	aggaaaacaa	acaggtaata	70140
ttgtttctgt	aacatcagaa	cgattatttc	ccagctgaga	atgttcatac	tggaacagtg	70200
tcattggccat	ccacccttagg	attgcagaga	accaattgtt	ttctaacctc	tgtatttctt	70260
tttgcaactg	cccaccccct	caccacttta	actgccaa	atcagccaga	attttggcat	70320
actttggctc	taggcacaag	aaaataagt	gtctgggtta	cttagtgcta	aatttatatt	70380
atagtaggcg	tcactacaac	cttgagactg	taactaacac	tttctaggct	ccaagcaacc	70440
ccactacgta	gatatccctg	cagcctcatc	aaattcaacc	cgtggggata	ttgataccgt	70500
cctggatgga	aatcagagta	gccacacccc	tttcaatgtt	gggaatctgc	caaacaattc	70560
agtataaaat	tcctgggcct	gggctgtgta	ttttcattcc	acccacccc	caaatacagtc	70620
agcatgccct	ggggcagaga	ctaaagagcc	gccagtgcct	attcagagtt	ggcttattcc	70680
tttctgatgg	cccatcccct	ccccgaaatc	caagaccttg	gccttagata	tcttggctag	70740
cctgggcctt	tctggtacca	cccttctactc	tctaggagct	ctgagaattt	tctgcacttc	70800
ccgacgtgc	ttgatagagt	gactcacagc	ttactctttc	attgactctt	tctgtatttc	70860
tcttcttcag	aatttctctt	ctgctgtctg	ttttagacat	ccttgcatgt	tcagtcccta	70920
aatcaccact	gcttgttatt	actttcatgt	tcccaacatc	tggcatatgg	gtcttaatcc	70980
catgggtcca	cccagactca	tgaattttaa	ctcttctggt	ctaaactctt	ccaccacat	71040
ttgagcctca	attctgtgaa	cagttttgtc	tctaaaagcc	acatacctta	gtgtaagaag	71100
gcagattaat	cctctgaatg	tcaacttaac	agttaggcct	atctcccaag	aaagagaaat	71160
gaaaactcct	aattagtaat	gactcatttt	gatcaaataa	tcaatttttg	gaccattttc	71220
ttaaaactat	attttattgc	ctgtaactat	ttcctggagg	ataataatca	tccttaaat	71280
actatgtgtt	ttgtgaagtt	ggtgctttac	ttttcgtgtc	ctaaatatgc	atatctgaat	71340
ctttaaaattg	tagcttctct	ttcaagtgtt	ctaggatttc	atttgccatg	gttgggatct	71400
ctttgtgatt	tgatagggtt	cgatcacatc	ctcactagcc	ttctttccaa	gccacagaac	71460
ggtctgtctt	cattcagtag	agaccctgcc	attctagttt	tctcgctgga	atttgttttc	71520
ccatatcctt	cttgagcaaa	ggtgactaaa	gccaaatgtt	tcattctggc	actttgtgag	71580
acgtgggctt	taagctctca	aaagaagaga	aaatctcata	gttttatatg	agatatacaa	71640
tgaacaatag	taaaatagaa	atgttattgg	caagaggagt	ttttctccaa	tatccatgag	71700
taagaattcc	ttggacacat	aagataacaa	gaggaaatata	cttactctgt	tttccttttg	71760
agatatctct	tacataccat	gaagttttcc	tttctaaaagt	ttgcaattta	atagttttta	71820
gtatatccac	aagcttgggt	aaccaccatc	actatctaat	tccagaacat	ttttatcacc	71880
tgcaaacaaa	accttgtacc	tgtttagcagt	ctctcctcat	ttctctcttc	ctccacacc	71940
tggaaccac	tagtctactt	tctatctcta	tagatttgcc	tattctggac	atttcatata	72000
aatggaatta	ttgaacatgg	ggccctttgt	gtctggcttt	tctcatttag	cataatctta	72060

gcataatatt	tataaggttt	ccctgtgttg	tagcataaag	cgttacttca	ttccttttca	72120
tggtgaaca	tcccattata	tggaatttcc	acattttgtt	tatccattca	tcagttgatg	72180
ctatctgttg	tttccacttt	gaggctctta	agaataatat	gctgctgtga	acatttgtgt	72240
acaagttttt	tcatgaacat	gtttttactt	atctgggtat	atacctagga	gtggagttcc	72300
tggtttatat	ggtgactgtt	taacataagt	gtagaactgt	ttttcaaagt	gactatacta	72360
tttcacaatc	ccaccaacaa	tgtatgaggg	ttccagtttc	cctacatcat	cactaacact	72420
tgttttatta	tctgcctttt	taattctagc	catcctagt	ggtatctcat	tgtggttttg	72480
agtcgtattt	cccttatgac	caatgatgct	gagtgtcttt	ttatgtactt	attatccatt	72540
tgttatcttt	ccctggagaa	ctgtctattc	aaatcctttg	acatttaaaa	aaattagatt	72600
gtcttggggc	cgggtgcggt	ggctcatgcc	tgtaatccca	gcactttggg	aggctaaggc	72660
aggcagatca	cctgaggtca	ggagtttgag	accagcctgg	ccacatgctg	aaaccccatc	72720
tctactaaaa	atacaaaaat	tagctgggta	ttggtggcac	atgcctgtaa	tcccagctac	72780
tctggaggct	gaggcaggag	aatcacttga	acccaggaga	cggaggtttc	agtcagccga	72840
gattgtgcca	ctgcactcca	gcctgggcga	cagagtgagg	ctctgtctca	gaaaaataat	72900
aaataaataa	ataaataaat	attgtcttgg	aaatatactt	aaattaattg	gcctatagtc	72960
ccagctactc	aggaggctga	ggtgggagga	ttgcctgagc	ccaggagttt	gatgtttcag	73020
tgagctatga	ttatgtcact	gctctccagc	ctgggtgaca	gagtgagccc	ccatctctga	73080
aaaaaaaaaag	gaagaaaagag	gaagagggaag	aagaggagga	ggagaaggag	aagaagaaat	73140
gctcttaagt	caatagtctt	caaacttggg	tcacattaaa	gtttcctaaa	atcctgatgc	73200
tcaggcttta	ccctaggcca	gttaaagtat	aatatcttgg	ggtaggaccc	aggcaacagt	73260
tttagaaaca	aatctccagt	tgattctaata	gtttgagagc	cattgctata	gactacatga	73320
ctaagctgat	gataccaata	taaaaatgtt	aaagatttga	taatttagaa	attatgccag	73380
gtattaaaaa	tgggagactt	aactcaaatg	tgaatcataa	aatgcctaata	caggtaaaaa	73440
gatagagttg	agatttgtaa	taaagattga	taaactttcc	tataatagga	agtttcaaac	73500
cacctatagc	tagagaaaaat	gtctggctgt	ggttcttgcc	tagtgagcag	gaattggttt	73560
tatgaggtaa	ccatgggaga	gccaaataaat	gtgagtgatc	atgacaatta	aatctttaag	73620
cccagataat	ttatgtcaat	tattcaatgt	tcattaagga	aagtgaaaaa	aaatgagtat	73680
tagctaggag	aaatggaaag	ggaggctttt	gaaaggcata	aaaagattgg	aggctatttt	73740
aagagacttt	attggaagca	tagaaaaaga	gtatctgaga	atttttaaaa	atccaatcac	73800
ataaaaaatgt	gacagtcaca	gtggttattg	tggagggaaa	atgacatctc	tcaaagaatg	73860
taaaaagctc	cccaagggag	agcaggggagc	ccacagagtg	tattaggtta	agtacaaaat	73920
aggaaaaaag	actttaagaa	acactttcga	agagagtcca	aaacacataa	agggattatt	73980
taaaaatctat	taaaaggaag	aagctagaat	aacagtggga	tcttttgctg	agaataaggg	74040
ggcacaggga	gtgctgaggc	accaaaaagac	aatagacaaa	ctaattatgt	gcctctgaat	74100
gtattgagaa	agataccaga	gtgatagcac	attcaaattg	cctactacga	atggatcagt	74160
agtagttaat	tcaatggttt	tctgtgtttt	gcataatttca	agtcaggtag	gcagaataaa	74220
tactgattaa	tactggaaa	ctcttggtgt	ttatcttgag	atcttctgaag	gcctccagaa	74280
gaaatttttc	tcgtcttgcc	tctccctaaa	gccactgccc	ttgtcctccc	tctcctatta	74340
ccaccaaggc	tcctaagtgt	atagtctacc	ctagtcacct	cacttttctca	tctccaattc	74400
attcttcaac	ccattcttct	aactccattg	aaaggctcatt	aaatctgact	cattgccaaa	74460
gtcattaaat	caacagatcg	cttttttagac	taaattcttt	ctagccttta	gatatataac	74520
accattaact	gtttcttctg	ttcttccttt	ctgaaacctc	ttttcttaac	atttattata	74580
tgtgaatgtc	ctggttttac	ctgtctactt	cttgctagct	accttctactg	gctccagaat	74640
tacttacgta	tttctctttt	ttgttttttt	tttttaaggc	tagtcaagt	aagcagtg	74700
aatggagaag	gaacacagaa	atctgttaact	ggttgtgatc	aattaattgt	agacactact	74760
gacttcagac	aagccttacc	tatttaattt	tggttaacact	ctgggttcca	gtctcgattc	74820
acttcttaca	ctatatcctt	caccttggtt	taacctctcc	tgtgacatat	cctagtgtgt	74880
cctctcttcc	catttttctaa	cttcatgggt	gatatagtca	tatagatgtt	tcacagttta	74940
ttctgatcca	gtaacaaaaa	ccagattaat	atcttaccag	caaacttgct	cttcctttgt	75000
gtaattcctg	tcgtgggttaa	tagcactacc	atccaccctg	tctcattctg	gattcctttg	75060

tctccctaca	catccggcta	gttaccaggt	tttagatatt	taacctctga	aatgtctttc	75120
aaatctttct	attgtccatc	tccattgccc	aaccatagtc	ttcatttggt	tttcatctgg	75180
actattgcaa	tagtcccccta	actcatcttg	ccgacatttt	cagctactga	tctcttgcca	75240
gcattttttt	ttccccaac	acaatctagt	tttaaaatac	agacttctac	tgccctacata	75300
actccttagg	taagtatttta	aggctcttttg	tagtctggcc	ctaacataaa	atatccactt	75360
ttccccctga	aattaagttg	tgccctgggtc	gtacatgaga	atggccattc	cttgagcaca	75420
ccatgcacat	tcctcaccat	gtctttgttc	atgctcttcc	ttgtttcaca	actcttctca	75480
tttatcacct	gacaaaactcc	tatctatcct	ttaagacaaa	tttctgtctc	tcaaaatgtg	75540
ggccctgggc	cagagcagca	gtatcacctg	ggaacttggt	agaatacaac	ttcttggggc	75600
cccactttag	actctgttta	atccaaaact	ttgtgtgata	aggaccagca	atgtgaattt	75660
taacaagctc	accacatgat	tctgatgcat	tctaaaattt	aagaaccact	gttctaggga	75720
acaatttttt	tatcaatggc	catagcactt	tacacatacc	tgtattactt	actgcattat	75780
ttaataacca	tgtttactta	ttcacttatt	tatctgggtc	gctaagttgt	gagtccccag	75840
agtcaaatac	aatgggtgctg	tgttctgaca	cctgccatag	tgtctagcac	ataacaagtg	75900
cttgataaga	attcagcata	ctaaaatata	cccccttccc	tccaggattc	agtctagcta	75960
gagtaaatag	agagggaag	atcaaatggg	gtccaaggca	tctactctta	aaggctgata	76020
tacaccacac	aaacccaaaag	cttacacact	gacaataaca	aatgtcagca	aagtaataac	76080
caacgggtac	taggcttaat	acctgggtga	taaaataatc	tgtacagcaa	actccaatga	76140
tactaattta	cctatgtaac	aaatatacac	ttgtaccctt	gagcttaaaa	taaaagtttt	76200
taaaaaaata	aataaagcaa	atgtcagcaa	ggatgcagag	aagctgaatc	tctcatacat	76260
tgctgatgta	cctactctgg	aagacacttt	agaagtttct	tataaaatta	ttccctcact	76320
gtgcgattca	gcagtttcac	tcctgtgtat	ttaccgtaga	gaagtaacta	tgtatgttca	76380
cacaaaaagc	tgtatgcaaa	tgtttttttag	cagctttgtt	tgtaatagtc	aaaaactgga	76440
aacattaaca	atcaaaaaaag	aaatcaagaa	aacaattcca	tttghtaatcg	catcaaaaaa	76500
tgaaaaacttg	ggaaaaaatt	ttacctaaaa	gatgaaagac	ctatacactg	aaaactataa	76560
aacactgatg	aaataaatga	ggaaggcaca	aatcaatgga	aagatatccc	atattcatgg	76620
attgaaaaaa	tttatattgt	taaaatagcc	atactacca	agcaatctac	aaatgcaatg	76680
caatcttacc	aaaattctga	tggtgttttt	cacagaaata	tgaaaaaaac	taaaattctt	76740
atggaaccac	aaaagacccc	aaatagccaa	aacaatcttc	accaataaga	acaaagctgg	76800
aggatatcacc	ctagcctatt	taatttcaaa	atctactata	aagctatagt	aatcaaaaaca	76860
gcatgatgct	ggcataaaaa	cagacaaacc	aatggaacag	aatagagagc	ccaaaaataa	76920
atccatccac	ttacagtcag	ttgatttttg	acaaaagtac	caagaaaaaca	caaaaagagaa	76980
aggacagcct	cttcaataaa	tggtgtttggg	acaactatgt	atccacatgc	aaaagaatga	77040
aattatgcct	gttacccccag	cactttggaa	ggccaagggtg	ggccgatcac	ttgaggtcaa	77100
gagtggagac	cagcctggcc	aacatgggtga	aaccctgtct	ctattaaaaa	tacaaaaatt	77160
agccagggtat	gggtggcatgc	acctgtaatc	ccagctactt	gggaggctga	ggcaggagaa	77220
tcatttggac	ccaggaggca	gaggttgcag	tgagctgaga	tcgcaccact	gcactccagc	77280
ctgggcaaca	gagagagacc	ctgtcttaaa	aaaaaaaaaaa	aaaaaaagaaa	ttggacattg	77340
gacccctata	ccatatacaa	aaaatccact	caaaaatgaa	ttaaaaagctt	aatgtatga	77400
cctgatactg	taaaaaactat	cagaataaaa	cacaggagaa	aagctcctgc	cattggtccg	77460
ggcaatgatt	tttttggttat	ggccccaacaa	gcacaggcaa	caaaacaaaa	catagacaaa	77520
tgggattaaa	ctaaaaagtt	tttgcacagc	aatggaaaca	ataaacagag	tgaagagaca	77580
acctacagaa	tgggagaaaa	tatttgcaaa	ccatacatct	ggtaaggggt	aaatattcaa	77640
agactataag	gaactcaaat	caatagcaag	aaaacaaata	atccaataaa	aagtggacaa	77700
aggacctgaa	tagacacttc	tcaaaaagaaa	acatacaaat	gtccagcagg	tatatgaaaa	77760
aattctcaca	tcactgatca	tcaagaaatg	caaatataaa	ccatgagtta	ttagctcata	77820
cctgttagaa	tggctcttat	gaaaaagaga	gatagcaaga	gttggggagg	atttgagaaa	77880
aagggaaccc	tatacactat	ttgtgaggat	gtaaattagt	acaactatta	tggaaaacgg	77940
tatggagggt	cctcaaaaaa	ttaaaaatag	aactatcata	taatcaagca	attctacttc	78000
tgggtgtgta	tctaaaggaa	atgaaatcag	tgtatgaaag	agatacctgc	actcccatgt	78060

tcactgcaac	attattccca	atagccaaga	tatggaacca	acctaagtgt	tcattttacta	78120
atgaatggat	aaagaaaatg	tgagatatat	atgtacacat	acacacacac	gatggagtac	78180
tatttagtct	taaaagaagga	aatcctggca	tttgcaaaaa	catggatgaa	cctggaagac	78240
attatgctaa	gtgaaataag	caagacatag	aaaaacaaat	actacatgat	ctcacttaca	78300
tgtggaatct	aaaaaagtig	aactcataga	agcagagagt	agaatggtag	ttgccacaga	78360
ctaggggtgga	ggtggttgac	agaaatggag	agatgttggg	cagatcaaag	agcacaaagt	78420
tccaggtagg	acagataagt	tgtggagagc	tatacagtat	agtgtctata	attagtaata	78480
acgtgttgta	tacttgaaga	attccaagag	agtatgtctt	aaatgttctc	accataaaaa	78540
aagataagta	tgtgcagtga	tggatgttga	ttaaattgat	ttaataattt	taattatttc	78600
acaatatata	caaatatcaa	aataccatgt	tgtataccat	aaatatataa	tatttgtcaa	78660
ttctgcctta	ataaaagctgg	gagaaaaaaa	ctggaaaccc	aaatatcctt	caacagggtga	78720
atggataaac	tgtgggacat	ccatacaatg	gaatactatc	tagcaataaa	catggggacaa	78780
agtattgata	gatgcaacaa	cttggatgga	gctcaagggc	atatgctgcg	tgacagatgt	78840
cagtctcaca	agcttacaca	ctgtaagagt	ccagttctat	acaacattct	taaaagacaa	78900
atttatagtg	atggagaatg	ggttagtggg	tcctaggagt	taggttgggg	aagcgtgtca	78960
ctataaagga	tagcatgaga	gagttgtgtt	tataagtgtg	tatgtgtgat	ggaacagttc	79020
actatcctga	ttatgatggg	ggtttcgtgt	ggtgaatttc	atagaaatct	atatatgtga	79080
taaatttcat	aggactacac	acacacacac	acaaagtgca	cataaaaaact	ggtgaaattt	79140
aaatagagcc	tgtagtttat	ataatagtat	tgcactaatg	tcaatttcct	gattttgatc	79200
atgaactctg	gttatgtacg	atgttattgg	ggaaagctgg	gcgaaggata	cacaggaact	79260
ctctgtactg	tttttgcaac	ctcttgtgag	tcttaaataa	tttcaaaatg	aaaagctttt	79320
gagaaaaata	aagcacaggg	atttctgaca	aaagctaaat	tagaaagcac	tgcttgacat	79380
aatgctaaaa	caggacccag	gaagtggaga	gctcactgcc	tgggtggagg	gggaaagggg	79440
taaaggggaag	tggagattct	tgccctgaag	aacatttggg	agaacgtggg	ccaggcctct	79500
caaacagggtc	actcctggct	tggggaggag	ctaatactaa	ggtggaaagg	gaaatgaaag	79560
cttacttctc	atcagcttcc	catatgggga	agggggcccg	aatctctcct	caataggcct	79620
ccattttctc	aatagggaaa	acggagagaa	gggggaaaagg	gttcctcttt	aacaatggtc	79680
acaaaagggtg	atgtgtgcag	tgaagatta	aatggtataa	gaactcaggc	tctggaatca	79740
aaccagcct	caaatccagt	ggcttgattt	tctattgaac	tttgctatac	cctgtttctc	79800
tatttaaaaa	caggggtaat	gatactactt	aactctgaaa	gctgattaca	ttagattgtc	79860
tatgtagagc	acttagcaac	cacctagcac	atagataatc	agtgttggct	actcttttta	79920
atactattct	atgccattac	caattttcta	agacgtaaca	ataatacact	cagatgattc	79980
tgaccataat	gtaatttttg	attaaagtth	cttcaggatc	cttcaatgct	tccaactcat	80040
aaattatatc	agccctcagt	ccctatatat	gtaaatacaa	tttaaattaa	aatagttgth	80100
actttctatt	acatgtcttt	tatgtgcttt	gcactttaaa	tacactattt	ctaaccctta	80160
tagcatgcag	gataaatact	attttcccca	ttttcagatg	aggaaactgc	ttcagagtgg	80220
ttaggcaaat	ctccaacatc	tataaacaac	acagtaaacc	taggcagtct	gatggcaaaag	80280
cccaagctct	ttccactaca	ctgttacctc	agtagtaatc	cataaaaagat	gcttaaacac	80340
atacatattg	tctattagtt	gttcttttta	catcacatta	catgggcaga	ctctacaact	80400
cctgccacag	cctggcgag	acacttccag	gccattgctg	aagccagtgg	agacaccaga	80460
cgatgacaga	aaccaagaac	caaagctga	ttgtagcaag	aattcagtct	ggagttcagt	80520
cagtagataa	atccgagagg	catcatggaa	attgtgcca	ggtccaagg	tcaagccagc	80580
agtcagaatc	taaaggggca	ggcaaaaacc	agcaggaggc	tctgcaggct	ctgtgcccc	80640
cgggagattc	atggcttctc	ctctgtctcc	tcttgttgac	actgccggct	ataaatgggg	80700
gctttgtgga	tcctcagttg	aggaggcagg	tgaataattct	tggcctacca	gcactactac	80760
aggacgttag	aaactagggc	aggaagaccc	tgggtcttca	ttaatcagt	tgatgaaaac	80820
aggccccagg	cagttgggtc	cactagtggg	aagtgaagaa	acactgaagg	aaaccaggag	80880
tcaggacatc	tggatttgct	gtcccaacat	ggtccctatc	tggcgataaa	acagcatgca	80940
aatttcttca	tctaaaaatg	aaggaatcag	gtcagatcac	tgattttcaa	actgtgttcc	81000
tcagaaccca	aggactccag	tcctgctgtg	gagagatagg	tgggagcaag	caaggccttc	81060

ctgtacagca	cgcttccttt	catctctttcc	aagtactgaa	ccttctaatt	ctaattgattt	81120
attcagcgta	acaggcattt	aataagtttc	tactaggctc	ggggccttgt	agaagggtgct	81180
gatggggaca	aagctgagta	aaacccagtc	ccaacatcat	gaattcctag	attctggctt	81240
aatgggggaa	cattccagca	gctgtcactg	ttcaggattc	ctctcagatt	ccaagataca	81300
ccaaggcccc	gagttctgcc	acagaattga	agataagaaa	gagaggaaaag	aggccgagtg	81360
cagtggctca	tgccctgta	ctcaccactt	tcggaggccg	aggcaggcgg	atcacctggg	81420
gtcaggagtt	tgagaccagc	ctgaccaaca	tggagaaacc	ctatctctac	taaaaataca	81480
aaataaattg	ggcatagtgg	tgcacacctg	taatctcagc	tactcgggag	actgaggcag	81540
gagaatcgct	tgaacctggg	aggtggagggt	tgcggcgagc	cgagatcgcg	ccaccgcact	81600
ccagcctggg	caacaagagc	gaaactccgt	ctcaaaaaaa	aaagaggaaa	gaggaatctt	81660
ccccagtatg	gcaggcaatc	tttcctgcct	caaggagatc	aattttacatg	tcacctggaa	81720
gcccataata	ttctgcttta	gcagtgactc	cttgtgattg	gatgtttcct	atggccaatt	81780
gtgcctgtgc	ttcatgccct	acttaaaatc	aggacatctg	ctctgccctt	ttggaagagc	81840
tacaagtctc	ctgccaggaa	ttgctcaagg	ccttttcttg	cagctaaacg	gagaaaggaa	81900
gttgaaatca	ttgcctcata	aattacaaca	catgccaggg	ttgtaacct	gagtctgagg	81960
ttctaggcga	aaagaggatt	ttgtgtgtgt	gtctagtgtt	ttccccacag	catttaaaag	82020
ctcatctaaa	atatattata	attgcatgag	atatggcaaa	aatacattca	gaaactaatt	82080
ttttgaagat	aaacaaacaa	agcagaatgt	gcccataata	ttcctaagta	aagccacaca	82140
aacttccttt	ccagtaaggg	tatccttttg	ggctttttcc	ccctccttgt	caccaactta	82200
tcttgaattt	atcactatgc	tttttcacta	ttgttcctaa	acttcagctg	ttatataatg	82260
agatagtggg	catttagtct	tatatccaaa	tttccatatt	tcagctttta	aaatagttgc	82320
aaggatgctt	ttaaagttga	tcctggccag	gagagggtgg	tcactcctgt	aatcccaact	82380
ctttgggagg	ccaagatggg	aggattgctt	gagtccagga	gtttgagacc	agcctgggta	82440
acaatgagac	cttgtctctg	caaaaaaata	aaaattaact	gggtgtgatg	gcatgcactt	82500
gtagtgccag	ctacttggga	agctgagggtg	ggaggattgc	ttgagcccag	tagataaatg	82560
ttgcagtaag	ccaagatcat	gccagtacac	tccagcctag	attagagagt	gaaactctgt	82620
ctcagaaatt	aaattaaatt	aaattaaaaa	gttgatccta	gcaaactaac	accggaacag	82680
aaaacccaac	accgcatgtt	ctcactcata	agtgggagtt	gaacaatgag	aacacatggt	82740
cacagagagg	ggaacatcgc	acaccgaggc	ctgttggggg	ttggggggcaa	ggggaggggag	82800
agcattagga	caaatactta	atgcatgtgg	ggcttaaaac	ctagatgatg	ggttgatagg	82860
tgcagcaaac	caccatggca	catgtataac	tatgtaacaa	acctgcacat	tctgcctatg	82920
tatcccagaa	cttaaaagtaa	aataaaaaaa	gaaagaaaaa	aaaagttgat	ccttaggcct	82980
gtttatagtc	caagggagct	gtgaatgctg	aaatttgtac	actgtcaatt	tatatgtata	83040
ttcacatatt	aatatctata	gtacacatag	attcaggaat	gtagactttt	gtcaaattggc	83100
ctagtagata	ctgataaaaac	aacttcta	attaaattaa	aattttattc	tattttaaag	83160
aaaaagaaca	aataagaaaa	tcgtctttgc	aatgaaaagg	tcagaaacca	aggatgtggt	83220
gtcctaatat	gctgatagca	gagattatat	ctcctttgcc	ttcctatcac	tggttcttaa	83280
taccttggca	agttagtatt	taggaattgt	tgaattaatg	tttggcacat	gaagatcatt	83340
aaagcaataa	ctcataaaagc	atggggaaaaa	caaggtcatt	tgctaaaagg	gaatttgggg	83400
gcacgatatt	tagcaagctt	tctttcacac	ttatagctaa	atattttgtt	tatttgatta	83460
tttgattgat	ttgggtgtaa	attctattgc	acctctggta	aaccaagtca	gcctgccctt	83520
cctgggttaag	aaagagagac	agaaatgcaa	agtgtaacca	gcttattaat	aagccgagga	83580
tagagaaaag	aaatttgtct	ctgggctggg	agcagtggct	catgcctgta	atcctagcac	83640
tttgtgaggc	cgaggcaggc	gggtcacttg	agccaggag	tttgagatca	gcctgttcaa	83700
catggtgaaa	ccccatctct	actaaaatta	caaatattag	gcaaggatgg	tggcatgtgc	83760
ctgtaatccc	agctacttgg	gggtggctgag	acacgagaat	cgcttgaacc	cgggagggtg	83820
agggtgcagt	gagctgagat	cgctcactg	cactccagcc	tggctgcact	ctagcctggg	83880
caacagagtg	agactttgtc	taaaaaaaaa	caaaaaacaa	ctgtctctgg	cataacttga	83940
gaaggggagaa	gctagaagag	acctttgggt	tcatcagggtc	caagcactgc	taaccattca	84000
gctattctgt	gggcagaatg	tctttgttct	tccagggtgca	acttcagcag	ctgtgggcct	84060

gaactgacag	tgcggggtaa	ggatatcact	ctctccatgt	gaaacaaagc	aggactacag	84120
gaaagcaggc	tgattttgaa	aggccaggcc	caccaggac	aagaggcagt	gctgagtgtt	84180
tggtcatga	caaaacataa	tttacaatt	tactggcttc	aaggatgtaa	aaagttataa	84240
tttactggct	tcaagggtgt	aaaaaggcct	gcttcctagc	ctagctgcaa	gcagcaactc	84300
agtccatgat	cagcagattt	tctgaagcct	gggggtggga	tgcatgttgt	taacctctga	84360
tgcagatgtc	tgctgagagt	ctgtaatctg	tgtgggtcatg	aagatgagat	ttcatccatc	84420
aattgcttga	caagggctat	catcgtatct	ctgggcctgc	gtggctctca	acacacgacg	84480
taagaaacat	attggacaaa	agcatttcct	gggagaattc	tccagcaaga	attcagccat	84540
tggaagaa	tctttcaagt	ggccctatct	cactggagac	aagtaaacad	atacgagtg	84600
catatgtgaa	tatacactcc	ttcaagggtc	tgcaatttcc	tagaaacaaa	aagaatgaga	84660
ggaaaaagct	ttacaggcat	cctgttagga	tgctttctct	cgttttat	taggctcttt	84720
tcagctctgt	gctaagaggg	gaggcaagg	aagggttac	ccagaatgca	aagcttttta	84780
gtgagggttt	gggggtgtgca	aatttggtta	agtgggtgaaa	accagtggtc	tatggaagtt	84840
cacagcatcc	acagcactca	gagccccca	aatatctctg	gcccttggtg	tcactaattc	84900
caaggaattc	tcagccattc	caggggactg	tggggatccc	cctgaaacca	ctacaattac	84960
ccagaatgtg	ccccctctaa	cacataggca	ttgaaccagt	tcctaactct	cccccaactc	85020
tcacagatct	ctagtacttt	aagagccata	tggcacacat	gcttagccct	cagccttctg	85080
cctaataggg	gagtgtcttt	ccagggaata	ataagattag	ggaagaggac	aaagaaagaa	85140
gaagagaagg	agtttccata	tccattaatg	aattcattca	acagatgggt	atggaacact	85200
taccattttc	caaagaccgt	actatgggtg	gggttataga	ataagaaaca	gcctggcttt	85260
tgaggagtag	aaactgtccg	gtggaactaa	cattaaaagg	tggtaatata	acatgacaat	85320
tgtactgatg	cacatagacc	ctgggggtgt	ttagggacat	agaggatggc	accaaacctc	85380
gactgagggc	atcatccaga	cagatacatg	ctcttgtttc	tgtgagtcct	gtgaggtgag	85440
tcactcacia	agaaaatgta	aagaaataac	tcagaataaa	taaaaagata	gatggcacag	85500
taagcttggc	agattgatgt	tggagaacgt	cagtttttgt	ggcaacaatc	tgcaagggtg	85560
tctaattttc	tcctgcacca	ctcggctgcc	cggatgcaaa	agcagacaat	ggattgtggc	85620
tctgatctga	gttttattgg	gcagatgctg	cagaagggct	tgtttgaaaa	gggaatagga	85680
tgttattgag	agaacagttc	agatgaccaa	ccagggatct	gaaattaggt	agagacagta	85740
agagagactg	ataaactatg	aggaagcaaa	agaaccaagt	gactggagggt	ctataggctg	85800
tcaatgtaca	aatgtggcag	gagtaagcac	atgagagggc	tggaggatag	gatgctcact	85860
catttattcc	tcagatgttt	attgagtgcc	ttcagtgtcc	aggtagtgtt	ctagttctga	85920
gagtacatca	tgcacaatgc	tattggggagg	agaaaacaat	aaataaaatc	ataataataa	85980
acaagtaaat	tatgtaatat	gttaaaaagg	aataagtact	atggttggat	gggggcaggg	86040
gaagagaata	gagcagaata	agaattcaga	attccgagga	tagggtataa	ttttaaatag	86100
ggttgtcatc	atagctctgg	ttgagaagggt	aacatatgaa	cacacaatca	ggagagaaag	86160
aggatgagct	atgcagatac	atgtattgaa	atattccagg	cagagagaac	agccacttca	86220
aagcctcgca	gtgtgtgagt	gcctgggtgt	ttcaaggaaa	agcaaggagg	ctgtgtggct	86280
ggagtggagt	gggcctggag	aagatgtaag	aaatgagggtc	aagaaacaac	agggatcgag	86340
tgtgtaggct	ttgtagactc	tggtaaagac	tggctttccc	tctgggaaat	agagagtcac	86400
tgtgggggtt	tgagcacaga	agtgatgtga	tcttatgtct	ctttaatgga	ttactctagc	86460
tgctatgttg	aaaatagact	tgagggaagt	gccagggttag	aagcaggagg	accagttagg	86520
aggctattgc	aataatccaa	ataagaaatg	caaagtaaga	ctttgatcag	gtggtggcag	86580
cagagggtgt	gagaaggagt	tagattctgg	atgtatttctg	aggatagagc	caacaagatt	86640
tatgacagat	tggatgtggg	tagtgagcaa	gagtcaggat	gactccaagg	tttttgggtcc	86700
aggcaaatg	aaagggtggg	ttgccattat	ctgaaatggg	gaagaagggtg	agcaattgag	86760
agggagactt	ggagttaaat	tttgaacaga	ttgtagtcaa	attgggtgtg	ggatattgggt	86820
gtttacaatt	cctgaagggg	aaccattctg	agtgacctta	agaccagag	tgtaacctgg	86880
ggatgggtgt	ctgaagagga	ataaagtga	atcattatga	ttgaataatt	tagaactctg	86940
gaggctgaaa	agctaatag	atctcctagg	atgttctacg	aggatgggtg	cccaggcacg	87000
agagtaggga	acgggggtcag	gccttatgat	ggatacttta	aatacaata	gtagagggtc	87060

acactaatat	tagcttgagg	tgtgcagaat	tttaattggg	tgcagattag	tgtatacatt	87120
agaaataagc	aagatattaa	aagatcaaat	ttgctgaaac	acatcagata	acattatgat	87180
aaaggatatt	ggagttttat	ttgagttaga	tttacaatcc	cattgtagca	tggatcaaaa	87240
acagtaagtt	gataaagaaa	tcagataaat	tttcacaatt	taaattttta	ttgtttttatt	87300
aaaaagcatt	ttggaaagac	attcatattt	ggtttttgat	aggttaaagc	tcagtgatac	87360
catttacatc	aattttttata	gcatttttaga	gagcatggtc	ttgtgacatc	ttaggataag	87420
ttttctgtta	gtcacagcat	gccacaagt	accttgtgct	ccattctctg	gccatgtttt	87480
cagactcagt	aacttcaaat	aaaataaact	gccaaagtga	gaaattaaca	tttgataaag	87540
tttttgcaac	atcataccat	tgagctgggtg	gatgtggctt	aagcatctga	attcattaga	87600
gactattgaa	atgataatgc	agaattatac	aggttttgca	gatgtagttc	aatattttatc	87660
tatatgtatt	gaaacctcac	ttgaggatag	aaaaatcaag	caagttcttg	tcttacattt	87720
ccactcaata	aatgaagagg	aagagataat	gagaaagcta	tataatcctt	taaaaaaaaa	87780
attcaccttg	tttctgactg	acagtaaccc	aattcaggct	ttttactctt	cataaatgga	87840
agacaagtaa	cctagatagt	actggctatc	tataattaaa	tatacaatat	tgaaatctat	87900
ttgctttgtg	gaaattatgt	gtttgtggct	gattaaaata	ttcagctatg	taggcttcat	87960
cttttagctc	aatagaaaaa	tataaatgac	attggtgact	gaattcctac	caacgtggca	88020
aagacattcc	ccagacatac	ataattcacc	tgctgaattg	gagatgattc	acctttcagt	88080
gacttcacag	gtgttaactt	ggccaaacaa	aaaaggga	tcattcttgta	ttcatctttt	88140
gttccctgag	gcaagttttc	agtaagattg	ctcgggaaaa	atatcacaat	atacatatat	88200
aagtccatag	tatgtctatt	tgaataatga	attagcacca	ctgtctgaga	ggtgaaaact	88260
attcaatgta	tattttctgg	aaaataacta	aattgagttc	ctcttaacta	aatcagaaag	88320
agaagggaatc	ctcaatcagg	atttcatgta	gtactgtatc	actcaaagga	aaactgattg	88380
tatagtggta	ctcaataaaa	gtgggtccaa	agaaaaatta	tgagagaaac	gtaccgatca	88440
gtgatctgga	ccaaacagac	atgtggctgt	gaaatccagg	cagttgcttg	gtgacgaggt	88500
caccatcaga	tagtcatggc	ttatgtgcag	gaatgtgaga	atggccatgg	ggaggaatgg	88560
cctgggttat	gggtcttgca	ggagtcccac	tgcttgtgcc	attgctcaaa	cttctgactg	88620
ccctgtgcag	ccggtgccag	gtcagcagta	ctctctgctc	tgaatcagtg	tcagcactgg	88680
tctctcta	gtagtacctt	tcttcaaaaa	atgctttgtg	aagctgctgg	ttagcactgt	88740
tcttacttct	gtagttaata	ttcaccacat	attccccctt	ttttgtggag	agataaagaa	88800
attaaggaaa	atcactctcc	ataagtccac	aatctgaaga	catggaggct	gaggaggcag	88860
acctgaatga	ataagtggat	catatgatag	ggctagatct	taaatttgga	tacaggagac	88920
ttaaggtaaa	ccacagaagc	ttgttggtta	tacatgtagc	tcttttgcta	aatataaatg	88980
tggcatgtga	agattaataa	atctgaatgt	aatgtacaga	atgtactaga	acaggaaaaa	89040
attggtgttt	actgagagct	gaagggttaca	tcaaaaatct	aaaaagtaat	atttttgcatt	89100
catcttaaag	tttgcaaca	gttttggcac	atacatcatc	tcattctttg	aataacctgt	89160
ggggtagata	caaaagatga	tgttattttc	attttccaga	tgaggaaata	ggagcctgtt	89220
tcctggtcag	acaggcttag	tcagctgtga	gtggcagagc	tggtgttccc	acctgttacc	89280
ctcaacccca	gttccattgc	tcctaacatg	attgtatcct	ggataaacat	ggtatcaaga	89340
atggagaggc	caagcgcggt	ggctcacacc	ggttatccca	acactgtggg	aggccgaggt	89400
gggcggaatca	cctgagggtca	ggagttcgag	accagcctgg	ccaacatggt	gaaaccccat	89460
ctctactaaa	aatgcaaaaa	ttagatgggt	gtggtggtgc	gtgcctgtaa	acccagctac	89520
tggggagact	gaggcatgag	aatcacttga	acctaggagg	tggagggtgc	agtgagccga	89580
gattgcccc	ctgcactcca	tctgcacaa	tagaacaaga	cactgtctca	aaaaaaaaaa	89640
aaaaatggag	agtgaatttt	gggaggctga	ggcaggcaga	tcacttgagg	tcaggagttt	89700
gagaccagcc	tggccatcat	ggcaaaaagcc	tctctctact	aaaaatacaa	aaatcagcct	89760
ggcgtgggtg	tgggcacctg	taatcccagc	tgctcggggc	tgaagcagaa	gaattgcttg	89820
aacctaggag	gcagagggtg	cagtgcagcca	agatcatacc	actacactcc	aacctgagca	89880
acagagagag	actctgtctc	aaaaaaaaaa	aaggatggag	agtgagagaa	aactcagaga	89940
ctttgaaata	agaagtga	gaggccgggc	acagtggctc	acacctgtaa	tcccagcacc	90000
ttgggagacc	gaggcaggca	gatcatttga	ggtcaggagt	gcgagaccag	cctggccaac	90060

atggtgaaac	ctgtctctac	taaaaacaca	aaaattagct	gggcatgggtg	gcgggcacct	90120
gtaatcccag	ctactcggga	ggctgaggca	ggagaatcac	ttgaaccagg	gaggcagagg	90180
ttgtgggtgag	ccaagatcat	gccattgcac	ttcagcctgg	gtgacagagc	aagactctgt	90240
ctcaaaaaaaa	ttaaaaaaaag	aagaagaaat	gaaagaaaact	tggcaattga	ttgggtgttt	90300
ctgataaaga	aacagaagaa	ggaaaaagggtg	attcctaggt	ttctaaaacc	tggaaagggt	90360
ggacagtgag	attataatat	aagcagctga	tgttggcaac	atgcctacta	tgtgccaggc	90420
catgtgccaa	gcattttgcc	atattgcctt	attaaatcct	tacaactcct	tgaaggtaga	90480
tcgcataatt	attattctca	ttttagaaaa	gggtgtgcat	gaaagttgct	ctcactttta	90540
gaaaaagaaa	aaaatcttcc	ctccaaaaca	aggctaagct	caactggatt	cactggccta	90600
tgttgacagt	acctggggcc	tgggacagtg	gtttgggtgtt	cttgtgtgta	tggatgtatt	90660
acaatgtcag	acacaaaagta	actaagccgt	gctcctggcg	gttatgatgc	ttgcaaattcc	90720
agcactgccca	aactgttttag	tgcctcctag	gtgctttgcc	tgtggttaga	acaagcttca	90780
ctaagtggat	agttttgcct	tggccctgcc	tttaaggcag	tctgccatgt	catcaagaga	90840
cataggtaag	aatgctctcc	tccttagtta	tgatttaaaa	ataaaaagtat	aacaaagtat	90900
aattatcaaa	tgactattag	tagaaatgtt	gcatttataat	acactattta	gattacaatt	90960
cttaaataca	atgtctttcc	ttcttgttac	ttgtaattaa	ttagtatcag	tcactgtcca	91020
gtgtgagcct	ggcattgccc	ttaggttaac	cagttcacat	cctgaacttc	tgttggtgcc	91080
cagggatattt	gtctgaaaacc	ctgattattt	acatctccct	ctaactttca	aatttgtctc	91140
caatctcatc	taaaactatt	aatacttgag	aaaaggcctt	tccccaattt	cctgcttcta	91200
atccctttat	cctcttttctt	tcttggaana	gtagaggaaa	atgggtttaca	tatcaaataa	91260
agtaaatagt	atatgaaaaa	aaaaaaacct	ctaagggtc	caaactctgt	ggatatctac	91320
ctgctggtta	tttattcact	aagctgcaca	tagcaatccc	ctagcaacca	taaacttcat	91380
gcataaaatc	ccaactcttc	tccaatacca	cctgtttgta	ggtagtcatc	cttcttttaa	91440
aagacttggg	agttatacaa	ggaataagtg	ccagagttta	gttctttgtg	aaaataaatt	91500
taaagaaaatt	ataagttttc	acagggtgtg	aaagatgttt	cttcccagtg	gtccttccact	91560
ccaaggctgc	actggagatt	atgctggtga	ggaagctttg	gtctcgtagg	tctttggccc	91620
caaggcaaaa	ggcatggct	gtaagtgtct	ttcttcctga	tccctcttag	gattgtgaag	91680
atgtccagtc	ccaatctgaa	cattgtgacc	ttactgggca	gttgtctcac	ttacagtagc	91740
gcttacctct	ttgggattca	ggatgtttta	gtggggagct	caatggaaac	tctcattcag	91800
gtaggtgaag	ttttaaaatt	tggttttgac	tataaagttt	tgattatttt	tttaaacag	91860
ctgctcccgt	gggtgggtgt	ttcctttatc	cttggagtgg	gcacttttcg	agggaatccc	91920
agaacacttg	gtgaggttca	ctctgtacct	cgtgcgctct	gtgggaccca	gaccctacag	91980
atcagagtgt	gtggagaact	gataaagggtt	cctcttgtga	ctcttctgtc	cccttccacc	92040
catagacaag	actgtccatg	ctgtgcattg	ggacctccct	tgtgtttggc	cccattctgg	92100
gaaagagctg	gcgactctac	aagggtgttta	cccaaagggt	ccgggacaag	agagtgggtga	92160
gtaggcagca	agtacacaat	gcttgactgt	agatggtagc	ttcagcattg	gttaacagct	92220
agagaagctc	atgcacatta	ctgagcctag	cccctttcag	gacatccaaa	gttcctgttt	92280
ctcattccaa	accctggaat	catgcagcct	cataaggcct	caggtctgga	aggctgtgga	92340
tcagtgtgtg	tgaagatagg	gcttcaaacg	tgggctctgg	ttcctatgta	ccccaggccc	92400
tgtggggaca	tgtgagctgg	ccaataacctg	gcaccagtgt	gaggcagaac	aagataccca	92460
gagactgttg	tttggcacag	gtgcgagctg	gaagtgaagg	gaggaagagt	gattacagag	92520
aaactatagc	aagtaagtag	ttatttcctt	ccctggagtc	cagttctttt	ctatgtagaa	92580
ggcagttctc	tgtactgaga	aggatgtgcc	caaagcagtg	agcaaggaag	agcagataga	92640
atcaactcta	agttatgtag	cagccagatc	accgacatgt	ccctgggtatc	agtcatcaac	92700
ttaaccacat	ttccccattt	tatcaggttg	tctgatgaga	ctgctcaaac	ctcaattcct	92760
gaccattatc	ctcattgggt	ataggccctg	cccagaccca	atatatcatt	cagttgggtg	92820
ttacttctct	ggaatgatgg	gaatttattt	tagcaaatgt	tattgaatca	tgggtgcatac	92880
ttacaaaaag	ctcagctgtg	agcaaccata	cctatgaaga	agattgccta	aaaggacaaa	92940
aactgcattc	atccctcaag	aacaccaatt	tcttttttaa	acagctttac	tgaagtataa	93000
ctgacatgca	gtgaactgca	catatttaaa	gcataatgatt	tgataaattg	tgacatggat	93060

atacaaccaa	gaaacatggt	gcataatgaa	catatccctc	atcttcaaaa	gcttccttgc	93120
aaccctttgt	tatctccctc	ccctgtccaa	tccttatatc	ccttgttcct	atcctcagaa	93180
aatcattgat	ttgctgtcac	tgtagatgag	tttgcatttt	ccagagtttt	acataaatgg	93240
aaccatgcag	tatggactct	gttttctctg	gcttatttta	ctcacataat	tgtttttatg	93300
aatattatag	ttatttatct	atgttgtgtg	catcaatagt	tatttctttg	ttattgctga	93360
gtagtattac	aatgcataga	cacaatttgc	ttatctgtag	atggatgttt	gggttatcgc	93420
cagttgtggc	gattaaaatt	aaagctgcta	tgaacattcg	tgtacaaagt	ctttgtttag	93480
acataggctt	ttatttctct	tgggtgaaaa	cctaagagta	tggttggatc	atatggtaag	93540
tgtatattta	actttttaag	taacagtcag	actgtttttc	gaagtggttg	taccattctg	93600
catttccacc	agcaatgtat	gagagtccat	ttcctccaca	ttcttggcaa	catttgattt	93660
gatcagtcct	tttcatttta	ggcattctaa	taggtatgtg	tggtagtatc	tcattatgct	93720
ttcaaatttg	catttctcta	atgcagtatt	gagcatttct	tcacttgctt	atttgccatc	93780
catacacctt	ctttggcaaa	ctttctgttc	aaatcttcca	cccatttttt	ttttttttct	93840
gagacagagt	ttcattcttt	cgccagggcc	ggagtgcagt	ggtgtgatct	tggctcactg	93900
caacctctgc	cttctgcttt	ccagcaattc	tcctgcctca	gcctcccaag	tagctgggat	93960
tacaggcacc	caccagcaca	cccggctaata	ttttgtattt	ttagtagaga	tggggtttca	94020
tcattgtgac	caggctggtc	tcgaactcct	gacctcgtga	tcgcctacc	ttggcctccc	94080
aaagtgtggt	gattataggc	atgagccacc	acaccagcc	tcactcattt	ttaaattgga	94140
ttttttgttg	tcttattatt	gagttttgtg	agttcttttt	atattctgga	tacaaaccct	94200
ttatcagatg	tatgatttgc	aaagattttc	ttccagtttg	ttcttttggt	ccttttactt	94260
tcatttactt	cagaatgtct	ttcaaagata	agacatttct	cattctgatg	aagttgaatt	94320
taccaatgtg	ttctttgttt	ttaggtttct	tgtttatttg	tttgtttggt	tttgattttt	94380
tagtagagac	ggggctttac	catgttggcc	aggctggctt	caaactcctg	gcctcaagtg	94440
attcaccagc	ctcagcctcc	caaagttcca	ggattacagg	catgagccac	cacaccggc	94500
cccaatgtgt	tcttttatgg	atcatgtttt	tggattata	tttaagaaat	ttttgcctaa	94560
cttaaggccc	caaaagggtt	tctcatgtgt	ttacttccag	aaattttaga	gttttagctt	94620
tgacatttag	gcctatgatc	ggtatatggt	atgatgtatt	gattgaattt	tagtttttta	94680
catatagaca	tttgattatt	ccaacatcat	ttgttgaaaa	gattgtcctt	tcttctactga	94740
attacctttg	tgcttttggt	aaatcagttg	tcataagtgt	tgtagatcta	tttctggacc	94800
ctccattctg	tctcactgat	gtgtctatct	caacagcaat	gccatattac	cctgattact	94860
gtagctttat	actaaaactt	gaaatcaggt	agtattagtt	ctttgacttt	cttcttctct	94920
ttcaatgctg	ttttggctaa	tctgggtcct	ttgaatgccc	atgtgaattt	ttgaatcagt	94980
tcactgattt	ctacaaaaat	tcttttggga	ttatgttgaa	tctaatagat	caaattatgg	95040
agaattggct	tcttactaat	gttgtgtcct	ttgacccatg	aacccattta	tttaggtcct	95100
taatttttcc	catcattttt	ttgtactttt	caatattgct	ctttcacatc	tttcatcaaa	95160
cttattttcta	gggattttat	atttttatgc	tattttatat	gttactattt	ttttaaattt	95220
cactttccag	ttgtttgttg	ctaataaata	gaaatataat	tattattatt	attttttttt	95280
gagatggagt	ctcactctgt	cgcttaggct	ggagtgcagt	ggtgcgatct	cggcttaccg	95340
caacctccgc	ctcccgggtt	caagcaattc	tcctacctca	gcctcccaag	tagctaggat	95400
tacagggtgcc	tgctaccaca	cctgggttagt	ttttgtattt	ttagtagaga	tgaggtttta	95460
ccgttttggc	caggttggtc	tcaaaactccc	aacctcagat	gatctgcctt	ccttggcctc	95520
ccgaagtctt	gggattacag	gcattagcca	ccatgcctgg	ccacagaaat	ataattaatt	95580
tttatatgct	tagcttgtat	actgcaacct	tgctaaacta	catgttagtt	ctagcagctt	95640
ttttatagag	tctatcagat	tttctacaaa	gatgatcata	tcagcagtga	ataaagataa	95700
tttattttcca	atctcttgct	tgattgcact	ggctagatac	aatagtacaa	tctgaataga	95760
agtggtgaga	gcagatatat	ttgttattct	tgatcctatg	gggaaaacag	tcaaaaactaa	95820
gaatgatatt	agcagtagtt	ttattgtaaa	ttccatttat	ccagttgggg	cagtactatt	95880
ctattcttat	tttgctgaga	gttttaaatca	agaactgatg	ttgggttttg	tcaaaagctt	95940
tttctgggtc	tattgagatg	atcatacagt	ttttcttttc	ttagtttatt	cgcattgggtg	96000
attatgttaa	atgggtttttt	ttttaaaccc	ttacacaata	gacttttatt	tttagagtag	96060

ttttaagtta	acataaaaaat	tgagcagaag	gtacagaggt	tttacaatata	cagtctttcc	96120
ccacacatgc	atagcctctc	ccattatcaa	tattcccat	cagagtatat	acttattaca	96180
attgatggaa	ctacattaat	acgtcattat	caccagaggt	ctgtacttga	cattagggtt	96240
cacttttggg	gttgtacatt	ttatgggtct	ggacaaatgt	gcaatgacat	gtatctacca	96300
ttacagtatc	atacagagta	gttttactgc	cctaaaaatc	ctctatgctt	ctgctcatta	96360
tctctttctc	tccccatatg	ttaaatgatt	taggggtgtca	aaccaacctt	ccatccctgg	96420
gattagcttc	atttggtcac	gctacattat	cctcttcata	tattgttgga	ctcagtttta	96480
taaaaacttt	gtttagaatt	tgtacattca	tgtttttaat	acatattgct	ctgtgggtgc	96540
cttgtaatat	atttttctag	ttttggatc	agggtaatgt	tggctttata	aaatgagttg	96600
ggaactattc	ccttcttttc	aatcttcagga	ataatctcta	tagaatagca	taattggcac	96660
tcatgtataa	gtaccttaca	atagtatgct	tccttttatc	cccattccta	tctttgctgt	96720
tacatgttat	aggcccatatg	caattctttt	gttttaataaa	tcaattatct	ttaaaaatat	96780
tttatttttt	tatttttaag	acccaggaca	acatgctgaa	ttttgttatt	ttctttaatg	96840
atatttaaat	aatgaaaact	aatcatgtat	ttttctgttt	agttaccatt	tccagtgttc	96900
ttaatctcct	gtatagatcc	acatttttat	ctcatattat	tttcttttgc	ctgaaggata	96960
tctaacattc	cagtgtgggt	gtgctactac	tgaattcttt	cagcttttga	ttatctgaaa	97020
aagtctttat	tttgcttca	tttctgaaa	atatattact	gagtatagaa	ttctagactg	97080
aaatcttctt	ttcttcttct	agtactttca	agatgttcct	gcactgtctt	ctcacttggc	97140
cttgatatctg	atgagaagtg	tcagggtttat	tttatgtcta	cacaaaatgt	gtctttcttc	97200
actgcttgct	ttgagtagtt	ttccttttatc	actggttttg	aacagtttga	ttaggcaatt	97260
ggtttgtttt	taattttaca	aacaccttga	atcacgtaac	tggttgtgct	tcttttctact	97320
ggttgtcaaa	agctcagatc	cacatttctt	ctgctccaat	tagtaaatgc	tattatatat	97380
acactcttca	tctgagcctt	catcataatt	ccctttatctt	tctctcttcc	cggttgttaa	97440
atattttaat	cctatcacag	tatatatttt	tctcaatttt	atttttgtag	tcacaaacta	97500
acacattctc	ttcatcctaa	gtcaaatacg	gatgggtccct	gacataaaac	agttcaactt	97560
acagtttttc	tatttttaca	tgggtgtgaaa	gcaatccaca	ttcagtagaa	accatactta	97620
aaatacccat	acaaccactc	tgtttttcac	tttcagcaca	gtagtcaata	catttttatga	97680
gatattcaac	acttcattat	aaattaaatt	aagctttgtt	ttagatgatt	ttgcccaggt	97740
gtaggctaata	ataagtgttc	tgagcacatt	aaaggtaggc	taggttaagc	tgcaatgttt	97800
ggtagcctag	gtgtattaaa	tgcatttttg	acttatgata	ttttcaactt	atgatgggtt	97860
tatccggaca	taaccccatc	ataagtcaag	atcataagtc	aatctgtaat	tcatatgtat	97920
ataatgaaaa	tgctaattgat	tcttcctgca	tctctgagtc	ccaccctctc	agttaaatagt	97980
tattaacatt	gtgggtgtgac	attcatatct	atgtgcttat	ataaacatat	agaaataata	98040
gtttattttat	tttataaaac	accttgagtc	ctttgtggga	aaaggtagga	tatgaagaag	98100
ttaaacaaat	ggaaatgtgt	aatgctaata	atgatatcag	catagaagtc	attgtaaatg	98160
tttggtgtct	gtttcatttt	tgatagctac	atttgaagct	ccttgggagg	gctgaccttg	98220
gagcatatag	ctgagagcac	atgggatact	ctagccctc	tgtcatttag	ccagtcaaca	98280
aggagaagtt	ttgaccttga	ctcttttgca	gattatcaaa	gacctgcagt	tgctgggggtt	98340
ggtaggcagcc	ctgttgatgg	ctgatgtgat	cctgctcatg	acgtgggtgc	tgactgatcc	98400
catccagtg	ctccagattc	tcagtgtgag	gggcccattc	cctagagaat	ctcatcccca	98460
aactggactg	acctctgtgg	atacacagga	gtcatccttg	caacaagaag	ataaaggact	98520
ccaagaggag	ggagagtcag	gagttgtggc	ttccatgtaa	ttcttgccct	agtctgctgc	98580
cactcccact	gctcctcctg	cccagtgctc	tctttgtggg	catacaatga	gatatcagca	98640
tgttggaatc	tgctggcgag	ttctgccact	tccacattat	caataattaa	aactttcagc	98700
tatcggcagt	taccttcccc	taattgtaga	ggtaggagta	gtagtttaag	gtggcctttg	98760
gagtcagtca	accctgggtc	aaatcccagc	tctaccaagc	tcaccagttg	tgtgaccttg	98820
ggaaaagtat	gtaacctctc	taagtctgtt	tcctaattgg	taaaattgag	ataataatac	98880
tacctatctc	ataggggtgt	ggcaaagatt	aaatgaaaca	atgtaggtaa	aagacttaac	98940
catgtccagt	acatactatt	caattaacaa	gaagtatggc	cgggcacggt	ggctcacgcc	99000
tgtaatccca	gcattttggg	aggctgaggc	aggtagctca	cttgagggtga	ggagtttgag	99060

accagcctgg	ccaacatgat	gaaacatgt	ctctaccaa	aatacaaaaa	ttagccaggc	99120
gtgggtggcac	atgcctgtaa	tcccagctac	ttgggaagct	gaggcaggag	aatctcttga	99180
accaggaag	cagaggttgc	agtgagctga	gattgcacca	ctgcactcca	gcctgggtga	99240
cagagtgaga	ccctgccaaa	aaaaaaaaaa	aattattata	tatctccagc	ctcacgaggg	99300
gctgaggaat	acagtgggaat	catggaatcg	tgacactgca	agattaatgt	ttaaggattc	99360
aatgatttgc	aaaaagcagg	tgcataatga	aatagtttat	agttttgttg	aggcactaat	99420
ttgattgggg	tagcaaagca	cataaatgag	gggtaagccc	tagtgtcacc	aagcacacag	99480
ctgttagccc	aactttatca	tctcttctcc	taacacgtag	tcaactctcat	ttaggttcta	99540
gtggagtac	ctaaatgctg	cagtttttac	atactgaggg	ggtatcatgt	actctagaag	99600
aattcatgct	ccagcatgtt	cacaaagatc	tgctttgtgt	tcctggtaat	tgtgggcacc	99660
tccagttctg	actctgtgtc	ccttctaggt	gacagggaaa	gacgtgtcct	gcacttcgac	99720
cagcaccac	ttctgtgctt	cccggatttc	cgatgtttgg	attgctctca	tttggggatg	99780
caaggttggt	aaccacatct	gatatggtct	ctgtcaccaa	gaaaatggat	atgaagaggg	99840
aattacagga	attaacgagg	tgatgtctgc	aaagaatctt	gaactcagag	gagacctctg	99900
ttgatgcata	aacttcaaag	ccatgactgt	ttttactttt	ctatttgtat	ttgtttgggg	99960
gagacctcc	aactcttttag	actccctcat	tcagtcctcc	cccaaatacat	ctggaattca	100020
cccactgttt	ctcctattta	ttggctctgg	ttcttaattg	at ttgacaat	accagttttc	100080
ccttcatctt	ccctgcaaga	ggaattatga	ggagaaaattt	gacccagctt	tatttgttct	100140
cctaagtgcc	cttattatgt	ctcttgtgtt	ttcttcaaga	tttgggcgaa	ggtgtcctgg	100200
tgcctttcac	ccacctgact	ttctccctct	ggttggaagc	aagactggct	ctgagacaga	100260
tggcagcatt	cacagggccc	tttgaggggt	tccacctgtc	tcacagtgtc	tcccatactg	100320
ccccaaatct	ctcaccatta	gactcatttg	tctctgttag	atgggcaaaa	gtagaatatt	100380
at ttccagaa	ggtagaggat	acctgcatgg	agcactgagg	atggtcctca	gaacaggaca	100440
gctggttttc	agcttaggga	gacagagaac	tggtgctgag	gggtacaggg	cagtcctgat	100500
tccataaaca	agcaagtcct	gcctgacagc	agactacctg	ttgactatca	gggcagagag	100560
ttctggttga	ctgattactg	gcagaggaaa	aggaggagtt	tttgtagaaa	taagtaccct	100620
ttaagggtaa	actctggccg	ggcacagtgg	ctcacacctg	taatcccagc	actttggggag	100680
gctgaggtgg	gtggatcact	taaggtcagg	agttcgagac	cagcctggcc	aaacatggtg	100740
aaactctgcc	tctactaaaa	atatagaaat	tagctgggtg	tggtgggtatg	cacctataat	100800
cccagctact	tgggaggctt	gaggcaggag	aatcacttga	acctgggagg	cagaggttac	100860
agtgagccaa	gattgcgcca	ctgcactcca	tcctgggcaa	cagagcgaga	ctctatctca	100920
ataaaaaaaaa	aaaggggggg	taaactttac	ccacttcacc	actaagaaaag	tattagaagt	100980
tgttgcttgt	gaggaacagg	tttaggggta	ggccagacta	gggcagggaa	acattccttt	101040
ttaactatgt	gcaaataatta	ctttgacaga	aatatTTTTT	aaaagaagac	tctaggaagt	101100
gaacagctct	tgatctccag	aatcttgcta	atggttaaaa	aaggagcttt	agttgtgaca	101160
gatcaggggt	tgaatctgac	tccgcccctg	gctagccaac	cctgagcctc	atttaacctc	101220
tctgagcctc	agttttcaaaa	ttttaaaatg	cggatgatga	taatattccc	tcagaactgt	101280
tctgtctcta	aagagttaat	gcatgttaag	agttttcagc	cgctcctggg	ccatagcaag	101340
agctcaataa	atgttagata	ttattattac	tattcttcca	ctgcccccta	gacacttctg	101400
gaaaaatacat	tgccctctgtt	ggttccttga	gtccctgtag	aagagtgtgt	cctccctagc	101460
ccagaaagcc	agcacttccc	ccatagctac	ttactttgtg	actcaatttg	atttattttc	101520
tccattgcct	tttatatact	ctcatttcca	ttctatttta	ctgtaatatc	tttctgtagg	101580
aaaaagaagg	aaaaggatgg	agcatcagga	aacttactga	gccagacccc	atagactccc	101640
tggtcagtga	gaagctcctc	aggaggaccc	caatctccac	attgagtcct	aggacccctg	101700
ctctctgtca	actgccccct	acccacact	tctcagcagt	taaggccagt	gatatgcaag	101760
gatcaaatat	gactcactca	gacaccagcc	aggaatgtat	agacacttga	ttcacacca	101820
tttccccctt	aacaagaatt	ttaatggaat	taaaaacttt	tagtggaatc	atatctgaac	101880
atttcaaaaat	cacagaatta	atttcaattg	ccttttatta	aattagcaat	gatccaactc	101940
tgctgaatac	cacctgatgg	cgtcagttac	ccaaaagtgt	ggcttccctg	gtctcctgac	102000
ttatgtgtcc	tctagtcatt	gaagatctca	gggtggccac	atttggcctt	caggcccat	102060

ttgggacact	gggcattagg	ggaacctgga	aggatatctct	tccatgctga	ctccttccct	102120	
tctggcacag	ccagttctcc	aaaatatgtt	ctttagtgtc	acccatgaag	gtggagtga	102180	
ccacgtcata	tgatttgagg	gtcaccagca	gggtgcctgc	tgatacctga	ctttattttc	102240	
attattagtt	ctccctctga	atccccacagt	ccccacccca	cctcgtctcc	catggcatct	102300	
tcacgttctg	agtcatcaac	atgaacattt	ttaggctggg	cgcagtggct	catgccggtg	102360	
atcccagcac	tttgggaggc	taaggcgggt	ggatcacctg	aggtcaggag	tttgagacca	102420	
gcctgaccaa	catggtgaaa	ccccatctct	actaaaaata	caaaattagc	tcagcatggt	102480	
ggcacaagcc	tgtaatccca	gctactcggg	ggctgagaca	ggagaatcgc	ttgaacccgg	102540	
gagacggagg	ttgcagtga	cagagatcat	gccattgcac	ttcagcctgg	gcaacaagag	102600	
cgaaactcca	tctcaaaaaa	aaaaaaaaaag	aagatTTTTg	tgcttacctt	aaatctacct	102660	
accagaccaa	gtgttaaaaag	ccaggaccat	gacttctttg	tgtcactatt	ttctgcccta	102720	
cacgtactat	ggcactgcac	acatagtcag	aaagggtgaac	ctaattgaat	ctatgtgtta	102780	
tgtattattg	actaaagctt	tgattttctgt	atgaatgcag	ctcctgtgga	gggggcagca	102840	
ctttaagggtg	ctatgagtta	ttttctcctt	agtacaaatg	acaactctga	gagcagggtt	102900	
atattcatag	gaaagagaac	agaatagggc	cctgggttcc	ttgtagggga	gcaagaaatg	102960	
tcacaaaaag	ggtgagaact	atagatggag	ctttcgctgt	ctgtgcctgc	cccacagtct	103020	
tgcttgggtc	ccagcctgcc	tttgttctcc	ccttttttta	cccttcatct	cccataaaca	103080	
ctcactggca	tggagccgct	gctagcctgt	agagatcctt	tgtgtaaaatt	ttttgaaggc	103140	
ccatcccttc	tagtcagatg	cagtcttgca	ggtgcaaggc	ttggcaagca	gatggtgcct	103200	
ttgggcaa	tagagaaaag	agcccccttc	tatgggcact	accctggctg	tggcacatga	103260	
cttgacaagc	agatcagagg	tcactttcag	cttcctgtg	caccctcagc	tttgagcagg	103320	
gcaacaccag	acaatggctg	tggtagcact	cactatcaga	ggttctgtgg	gcccactgtc	103380	
ctccaagtgc	ccaacagctc	tttctgtagg	gatactaacc	caccacatg	atcctgtcct	103440	
atgccttgtc	tcagaagagt	cttattta	ggctgacttg	ctgacttctg	ataaaactaat	103500	
tctcagcaaa	ggagaggaaa	ataacattta	ttaagtatct	agtaggtata	aggggctgcc	103560	
ctgagggttt	tcttatgtga	tatcttagta	aatcctcata	gcagtcctta	aggtaggtat	103620	
tattatccta	attttacaga	tgaggaaatt	ggttgcaa	ctactgctca	ttgacctctt	103680	
gttccacttc	tctgagcctc	cgtcacctct	tcacccccca	gggtctgctc	ctgctgtatg	103740	
gtgcctacct	ggctggcctg	actggccatg	tcagctcccc	tctgtgaat	cagtccttaa	103800	
ccatcatggt	gggggtcaac	ctcctgtac	tggctgctgg	gctgcttttt	gtagtcacca	103860	
gatacttgca	ttcctggccc	aacctggtct	ttggactcac	atctggaggg	atctttgttt	103920	
gtacaactac	aatcaactgc	ttcatcttca	ttccccaggt	atggattttg	cagggtggt	103980	
cctcttagtc	actctagagt	ttttcactga	caaattgctc	attttgtttt	ctactgatac	104040	
ctttccatgc	cacttattgg	agagtcagaa	agcagacagg	ggatcctagt	gagctgggtg	104100	
cctttgtcct	ttctcactgt	cctggtcagc	aagggggaca	aggcagagt	gtccaagcag	104160	
tggtggcagc	ccctgtttgc	actcttccac	acctgtgggt	cctgtccctt	gggggggctg	104220	
cctcgagtc	ctgcttttcc	atccaccctc	tggctgtctg	cactcgttcc	ccatcctccc	104280	
ctcatttcca	tcagtgtatt	actatttctt	tcactagcct	gggagcaagg	aacctttata	104340	
tttttccaat	tggggattgc	agactcacag	gaaaaaatcc	atttagatgg	aactttatga	104400	
tttaaaagtgc	tttctctttc	tttttattgg	aggaaaaatac	agaacatttc	tctgcttttt	104460	
acaataagga	gaggtagaaa	ctaaataaaa	atatgtttca	tattatgggg	attttaaaaa	104520	
atcaa	atgaggaagac	agaagcagaa	atagccagat	agcaaagaag	aaaggtagtc	104580	
agagggaaca	gagaaggaat	cctaggctca	gaaagcaagg	ggatgtggga	ttgttcatgc	104640	
tacaccctgg	ggaccatcaa	gccacatata	tctagggtta	tgaacttggc	actaggtact	104700	
ttcttgtttc	cctcctagtt	ctccttttct	tccctctgag	acctccctca	tcccactcct	104760	
ccttcaagac	cctgtcctga	ttcccattgc	aacttccagt	tgactgtaaa	ctaattcctc	104820	
atgatggagc	taactgataa	tgtaaagtgt	ggctgatggc	acgttacagt	gtatttgtga	104880	
aagggaagag	tgcacttttg	gtcatgatgg	tatgacatgg	gcatagccct	gttacgattc	104940	
ttctctatca	caa	atcctca	ttacagtact	caacagaata	cataaatatg	gaaaaatctg	105000
cagcagcagc	actagaaacg	atggatggct	attgcctctg	tgccagaaac	tggaggaatt	105060	

tttgccaaat	cttaatgccg	taaaaactgg	aatgaaggaa	gccatttaga	gctgaggctt	105120
gtttgtctgg	gatgaggcag	aaatgggctc	tgagaagcaa	ggactgtttc	tccctgggag	105180
accgggggcg	ggggcggggt	gggtgggcag	gggtaagggt	aggcagggtg	cttttgggaa	105240
gcccacccct	taggccctgc	agccaatatt	gttggattgg	tagcgatcaa	caatgcagag	105300
aactggtgct	gaagggtaca	aggcagtcct	gattccataa	acaagcaagc	cctgcctgac	105360
agcagcctac	ctgttgactg	tcagggcgga	gaggcctggg	tgactgatta	ctggcagagg	105420
aaaaggagga	gtttttgtag	aaataagtac	cctttaaggg	taaactctgg	ccaggcacag	105480
tggctcacac	ctgtaatccc	agcacttggt	gaggctgagg	taggcgtatc	acttgagggt	105540
aggagttcga	gaccagcctg	gccaacatgg	tgaaactctg	tctctactaa	aaatatgaaa	105600
attagctggg	catggtgggtg	cacgcctata	atcccagcta	ctcgggaggc	tgaggcagga	105660
aaatcacttg	aacccgggag	gcagagggtg	cagtgcgccc	agattgcgcc	actgccctcc	105720
agcctgggca	acagagctgc	taaccccttt	cttccttgct	tgctgcact	atagagacag	105780
caacagctag	actcttcttt	tgccagcttc	ccatagagat	aggagtgcct	atatgacacc	105840
attttgaaca	ctagagggtt	tctgagaagc	ttctgagaaa	gcttttgctt	tcctgaaaaa	105900
ggttataagc	atggctaaca	tcaccctttt	taccttcttc	ctgccttgaa	tgtatgtgat	105960
tcctagagct	atggcagctc	tcttgtgaac	ataaggaaaa	gactaagaga	atatagttat	106020
aatactagga	agatacagct	ctttccatgt	aagattataa	attctggagg	aaatgatcta	106080
tgaagggaa	ctgcagttca	caagaagagg	actacaaatg	tctaaagatt	tagagaagct	106140
gccttcctct	ggagtagaag	tgtttagaag	ataccggact	tgtcaataga	attcaaagga	106200
tattgtctct	tctcaactaa	agcaaaactat	catgaaaaaa	agctaactct	aataaaaatat	106260
tgaataagga	ttaaaaatat	ggtattaaat	ttaaaatccc	aatagaagca	ttgactgggc	106320
aattagacac	tacaaaaatat	tgaattagtg	aattacttta	aggaaacaga	aaataaggaa	106380
acaaatgaga	gactagataa	gaaaaatatg	aaaatggcca	gatgcagtac	ctcatgcctg	106440
taatcccagc	attttgggag	gccgatgtga	gcggatcacc	tgaggtcagg	agttcgaaac	106500
cagcctgacc	aacatgggtga	aaccccatct	ctactaaaaa	tacaaaaaatt	agctgggcgt	106560
tgtggcatcc	atctgtaatc	ccagctacta	gggagactga	ggcaggagaa	tcgcctgaac	106620
ccaggaggca	gagggttgag	tgagccaaga	tcacgccatt	gcactccagc	ctgggcaaca	106680
agagcgaaaa	tctgtctcaa	aaaataaaat	aaaaagaaaa	aaataaaaata	tggaaaacat	106740
ctaggaatac	aattgagagc	tgataggagt	ctctgaaaga	gaacaaaata	atgtggggca	106800
gaagtcatta	tcaaagagct	atcagaggaa	aatgtttctg	aacaaacaaa	gccttggtca	106860
gaaaactgaa	tgaattggca	atctccatga	tggcgccctg	cttactgctc	ctctctccat	106920
cctcacctct	caccactgcc	cccttgcatc	gtaagcctca	gccacatcac	ttcccccttg	106980
cctggtgttt	gagtcctcag	cagctaggac	aattgtgaca	tctgggtact	ctacacacaa	107040
aaatgcagaa	tgaagtgtcg	cttgaaatct	gccttccagg	ttttcactaa	gcaacaaaca	107100
cttgatttgt	tgaattggga	atggaaatgg	aatgattatg	aggtagagga	attgggtgga	107160
tggactgcac	tggccttgct	ttccttctat	ctcactccct	ctttccctcc	tagctttctt	107220
aagcttcctt	tctcttactc	tgtctttcct	cttccatttt	ctcccttggtg	tttttttttt	107280
ttctcctctg	gaactaactg	accatgatgt	gaaactaaaa	aatataatgt	gtagtctgtt	107340
gtatttttagg	tttagatggg	aagtagttct	ttttcaaaaat	ataaaaagaaa	ctgagggttg	107400
ttagggtttct	gtgtgtttcc	ctctggctcc	gagggtctttg	gtagaagaac	gattctccct	107460
gtgatacttg	cactgtgtat	tcctagaaga	taatttggga	aagtaatttg	agtaaatttg	107520
ggaaagtggg	tgaggggaac	tatctgggta	aggggtgggg	gttgagcaaa	aacgggggttc	107580
cttcttgcca	gtgagctttc	agacatgact	gtgatgggag	gagtttgtga	aagcaaaggc	107640
acagataccc	ccagggcagc	gaggcagcgc	cagagagcgg	gtgaaatgga	tgacattact	107700
aaggagacaa	ggggcccaag	aagccttctt	tacacaggca	ctcaggaaat	gcctgagtgt	107760
ttatgccaaag	cactgaggtc	atcactagaa	gtcagccagc	cgctgctgtt	ctgacctgaa	107820
tatgacctat	ccccagccc	tctgctccct	cagagaggca	ggcaggctcct	aaggtaggac	107880
attgttttct	ctctcctcta	accccgaag	catttcatct	gctcctccct	gaagatgtgc	107940
aggcctttct	aatctgcctt	ataattatat	gtatatgtcc	cagcaccctt	actagaccag	108000
tgagcatttt	aaagaaagct	tccttcatatt	gttcatgcat	gcatccatcc	atccacttat	108060

taactgctgg	gtacatgcac	ttaaacacag	agtccgcctc	taggtctagt	ggggagcaaa	108120
catgaaagga	attatcatac	atgtgttaag	agctttgaga	aaggccttcc	ccagcccatc	108180
tgagaactca	gtggcacctt	ctcagaaaaat	gaggctgggc	atgggtggctc	atgcttataa	108240
tcccagcact	tttcaaggct	gaggcgggta	gatcgcttga	gcccagaggt	tcgagagcaa	108300
cctgggtcaac	atgggtgaaac	ctgggtctctg	caaaaaatgc	aaaaattggc	tagacgtggt	108360
ggctcacgcc	tgtaattcca	gcagtttggg	aggacaaggc	gggcagatca	cgtgaagtca	108420
ggagtttgag	accagcctgg	ccaacatggt	aaaaccccg	ctctactaaa	aatacaaaaa	108480
attagctggg	tgtgggtggcg	ggcgcctgta	atccagctac	ttgggaggct	gaggcaggag	108540
agttgcttaa	accgggagac	aagggttgca	gtgagccgag	attgtgccat	tgactccag	108600
ccagagacag	agtgagactg	tctcaaaaaa	tataaagcaa	aaattagcca	ggcatggtgg	108660
tgcatgcctc	tgggtcccagc	tacccaggag	gctgaagtag	gaggatcacc	tgagcccagg	108720
aggttgaggc	tgcatgagc	tgtgattgtg	ccactgcact	ccagacagag	taagaccctg	108780
tctcaaaaaa	aaaaaaaaaag	aaggaaggaa	gggagagagg	gagggaggga	aggagggagg	108840
taggaaggaa	ggaagggaag	aagatgaggt	gttcgagctc	agtcctgaag	gaaacataag	108900
agttcattga	agagatgggg	gaaagtaggt	ggcatttctg	atggaataac	atcatgacca	108960
gaggcaggga	ggctagaaaag	agagtagcgt	atgtttggag	caccatgggtc	tttgttat	109020
ttgaagcaca	aatggaaaacc	agggggagaa	tgacaggact	ggggagagac	acacctgggg	109080
agcttctgag	gccctgctgg	accctgttaa	agagttgaca	tttagtccca	ccatattagt	109140
ttcccactgc	tgctataaca	aattcccaca	agcttagtgg	cttaaaaata	tacaagt	109200
ttatcttaaa	attttggagg	tcagaaatct	gaaataggtc	ttatttggct	aaacttaagg	109260
tgtcaggaag	tctgtattcc	ctccagagat	gcaaggggag	aatctgtttc	cttgtctttt	109320
tcagcttcta	gaggccgtct	gcattcttgt	gcttattgtc	ccctcctcca	ccttctaagc	109380
cagccaggtt	caaatctgcc	agaagagatt	caaatctttc	tctctctcgc	ccctgtttcc	109440
attgtcacat	ctccttctcc	aactctggct	ctcctccctc	cctcctataa	ggattcttgt	109500
gattacattg	ggcccacttg	gataacccag	aataatcacc	cctcttgaaa	tccttaatta	109560
catttgcaaa	gtcccttttg	ccacataagg	tcacatat	acaggctcca	ggaattagga	109620
tgagagagaa	catctttgag	aagccactgt	tcagtctgcc	acacccccat	agcccagagg	109680
ctcagaaaac	cagaatctgc	ctgtccttct	ggaggaaggc	agaggagagg	ccctgaattg	109740
tgaaattcat	agctggattc	cagaaaccct	gaaggggtga	gccttaagga	gtatcttcac	109800
aaatgaggaa	tgaagggtca	gagtaatcaa	ggggatatct	ggctccactt	ggccaattta	109860
gagacaggaa	gaccaaaaagc	cctgggaggg	cccttacgcc	agtgtgagc	tgctcctctg	109920
ccagccctgc	agagaggcct	cagtctggga	gtgtggggg	agatgaagga	aaagctgtac	109980
tgacgactg	ccaggggtcag	tgtgaggaga	ataaccctag	gagggtctgat	tcacccaccc	110040
aaggccacag	atgaccttgt	gttgttggct	ccagtagctc	ccaagtagga	tggtgagctg	110100
agagcatcct	ttcgtgggga	gggggccttc	aagaagggca	tctgagaggg	gaggtaccag	110160
gcctgaccca	acacagggtca	cacagactcc	tggtgcgatg	atggactcat	gatgagtcag	110220
cagaggaccc	aagaggactt	gggtgataat	atcaatttca	gtggcattga	aattgatggc	110280
aggattcaga	atcctatctg	agattttaca	aatgtgtttt	acactccatg	gtcggagctt	110340
aacaaatgtt	tgatggatga	gtaaaagaaat	cccaggatcc	ctttgaggct	acccatagac	110400
actgcagcat	catttctaga	atcaagggtcc	cagggtcccc	agtgtccatc	actaggacac	110460
ttagttatgg	ggattcctga	gaggaaaaca	gaggccttcc	ccactgtggc	ttcctgcgtc	110520
actcacatta	ctgtcattcg	gtgggtcagc	agtacccac	agactcaggc	agaggctcct	110580
gtttctatgt	tcagcttcat	tcctgttaaa	ctaaaccagc	ccatgcttct	gcagagtgtt	110640
cctcaagacc	agtttctcct	gaagagcttt	ccctggactg	ccaccgttaa	cagtctctct	110700
cttcatcaac	tgagtgagga	cacagacatg	gcacagtgtc	ctgcttacag	ctgttgttct	110760
gctgctaagt	ggctgtgtaa	gcttagacac	aacactcctg	agcctttcct	agtttgtcaa	110820
agaaactggg	tgatgagcta	gagcatcctg	atgtgactag	ggggcttccc	tcaaaggctc	110880
tctgagcctt	gattattgac	ttgggttaga	agttcaccca	aaggaactga	attttcaata	110940
gcagcaagca	cattgttact	gaacaaatga	aaaataatta	aatagctgca	tgcaacgaga	111000
aagtgtcatt	tgaaacttat	agtgttcagg	ttgcttaacc	ccaggatagc	tcctaactct	111060

ggcttttagaa	tgtggtggta	gaagatactt	cagctctggt	tttctttgac	cagtttggca	111120
atgggtaggc	agatgggcta	aggctgttct	attttatcta	cctgtcctat	tcttcctttg	111180
gaaatttgtg	tttgttttta	gggtgttttg	ggtttttggt	tttttttttt	aagattgggt	111240
ctcactctgc	caccagggct	agagtacagt	atcacacaac	tagctcacag	tagcctgaaa	111300
ctcttgagct	caagtgatcc	tcccacttca	gcctcctgag	tagctgggat	tataggagtg	111360
agccattgca	cccagcccct	tggcatttta	aaaattatat	aaccttaaca	ttttgtataa	111420
ttacaaaagg	taaggacctt	ttgtcattac	catctttgag	ccctccagag	caaagtacat	111480
tttaaggaga	gaatagcttg	cgcatgtgtg	tatctatgat	agtgtcattc	cttggtgttt	111540
atgagaaaaga	gtgagagagt	gtgtttctgg	atgtgtaatt	aaataaataa	catgtgttct	111600
tttatctaac	agctgaagca	atggaaggca	tttgaagagg	aaaaccaaac	aatcagacgc	111660
atggccaaaat	atttcagcac	tcccaacaaa	agcttccata	cccagtatgg	tgaggaggag	111720
aactgccacc	cgagggggaga	gaaaagctcc	atggagaggc	tcttcacaga	agtaagctct	111780
gcccctgcct	ggaagattcc	ctgtaaagga	tccaatcatg	catcgggtggc	ccccaaggct	111840
cttattgctg	atgttctctt	ttcctctcat	tctcccactt	ctcttaacag	caagcaaac	111900
ctcaccattt	ccaccgtgac	acgcatctac	ttcattcatt	cagtggacag	atgtataatg	111960
agtcactcct	atgtgccagg	cattgtgcca	gtgaacaatg	aacaaaagca	tggttcctac	112020
cctcacagag	ctcacagtct	agtggaagaa	atagagattc	attcatcaag	caaacatgta	112080
attatacatt	gtcataagaa	ttatgaaaga	aaaatcagag	tggtaaagaca	gaataatgtg	112140
tggtaaagggc	aagaaaacat	aacttagacc	agtcagaaaa	gactcattga	gctgaggggct	112200
gaagggttaag	tacaaattag	ccaggcaaag	agtacaggga	aaagtattcc	aagctgcggg	112260
aacagcattg	taaaggccct	gaaatgtggt	ggacactagc	ttccctgtga	tacattttct	112320
ctcttttttt	tttttttttt	tttttttgag	atgaggcctc	actctgtttc	ccaggctgga	112380
gtgcaactgt	accatcttgg	ctcactgaaa	cctccacctc	ctaggttcaa	gcaattctcc	112440
tgccctcagcc	tcccaagtag	ctgggactac	aggcacccac	caccatgctc	agctaacttt	112500
tgtatttttta	gtagagacgg	ggtttcacca	tgttacccag	gttagtctca	aactcctgac	112560
ctcaagtgat	ctacctgccc	tggcctccca	gggtgtctggg	atcacagggtg	tgagccgccg	112620
cgcttgccct	cattttctct	ttttacatag	agtagtgtct	tcatgtccaa	gatctcctgg	112680
ggctccttact	gtctttccca	ggtagtggtc	acagatctca	atcagcccat	catcccagaa	112740
agtccaggca	tgtctacaga	tggagaaggg	gactaaacaa	gggcttctga	atgtgattgt	112800
agcaccaagg	gagaatgagg	cagctcccc	gggcttcttt	cttctgtatt	tgagccagag	112860
ttggcccctc	tcccagactt	gggcagtgtg	atgcaggcat	gaagaaaagca	cgtggaaagg	112920
tttgaaggct	tcgttgactc	aggaagaagg	cacaggggcc	aggggagtta	gtcagtattt	112980
tgacactaac	tgaattacat	tccatatttt	ttcagtttag	aacctatctc	aggagggtgtt	113040
atttgaaaaa	ctgggctttt	tttttaggac	tgctgcctag	gtattaatag	tccctgatga	113100
gaggatagtg	tgggtggggac	ctagaaaaca	caacagatga	agggactcag	cacaccagg	113160
caccaccgt	tcatgcccct	ctatggttct	ggaccatttt	tgtccatcag	agtaacacct	113220
ctccatttct	ttactattaa	gtatttcaaa	gccagatttc	tttccacctg	gcaaggaggat	113280
aatattgcct	ttgatactct	gtgaagtctt	caaataagca	tttttttttc	ctggctacac	113340
agaaggccag	aaacttggct	agaacagcca	ggatagtttt	cattcacagt	cagctgatgc	113400
tggaacagcc	aagtggactg	actcttttag	cttatggtaa	tttgcaacgt	gctgtttgta	113460
cttctgccat	gctaccctgt	ttcccacgca	gggactcaat	ctgctatatc	caaaaagatg	113520
ctttgagtct	gcagaggaag	cccttcaatg	ggcacagggtg	cacaagtggg	aagaagctgg	113580
cctccccagt	gcacgctaca	cctggaatct	ctttcccaga	acaggccaga	gaacaagcgg	113640
ccagtcctag	ggcccgggtg	cagggtgtcag	gaggttccag	catctgcatc	cccagctcca	113700
gcattgcccc	ttagagaaac	atgagtatct	ctcctggctc	aacatatgta	cagaccttga	113760
ctctggccca	tgggtgtgcag	tgcccttctg	tgaggggccc	actccccac	tcaggccttc	113820
ctcttacttt	cccgtgatct	gggcagcccc	atcttctcac	acttttccct	cttgccctta	113880
tagccagggg	tccccccaga	agctgtttcg	gacagcatct	atcacatcta	tcactgactt	113940
ccctgtctaa	gagaaggcca	gcagacagaa	ccttccacaa	ggctgaagtg	ctttcctcat	114000
acactctgca	gccaagtaaa	caaacctatt	acttttgtta	cctgaaccat	agaaacaaga	114060

ggctaattcc	atgtctcctt	atggcctgcc	ccctgtgaaa	catgcagggtg	gatgttttgc	114120
ttccctcaat	atgcaaaaaa	taataattaa	taagctcatt	gaagtgcagc	tgccgtggta	114180
ggtcagatth	cagtctcata	atggcagtg	ctcacaccac	acctctaatt	agtatgcagc	114240
catggtaaaa	acagagtccc	acttcttttt	ctggaagaag	gaaattttct	gtttaggttg	114300
atgttttcta	atctgtcacc	agccagcttc	ttcccaactc	catgtttata	gtatctttct	114360
atactcaaag	gagtttatag	ataaggcaca	aaaagacagc	actcagatth	caccacggg	114420
agtagttgcc	atctgccgat	gggtccttcc	taactctgtg	aggctataga	ggcctccaga	114480
agcccacatg	agaatgtgca	cgatgggctt	caggaggaga	ggctgggtgga	ggagggagtt	114540
gaggtccccc	catgagatcc	tcagagagat	gcctggcaca	gcccaggatc	acaaacacct	114600
gagtgtttcc	ctattgctca	tccattctgc	ccctgacaag	tccttgagtc	atctgcactc	114660
acccagcaac	acccagacct	caccactctg	cgggcagagg	gaagggagggg	aggacaggca	114720
cacatgtgct	cagctgaaag	tctctttctac	cttactcacc	agtccctcac	tggccctgga	114780
ctctcttctg	atggtaaaag	aagtatactc	aaccagggtg	aaactagcaa	taccaactat	114840
cagaaaaatc	accttcccaa	ttctacaagg	ggagcagtg	atctgcttgg	agagttgcta	114900
gtcagaatat	tggactatth	tgcctaaagt	actgctccct	taaaggatca	tttctaggca	114960
actctcccat	gtaaacctga	gatgaaacca	caggttctact	ctataactag	tagtcctagt	115020
tagctgttat	ggacggtata	actaggcaat	ttgtattggt	tatcctaaca	cagggaacat	115080
ccttttgttt	ctagggcata	ataaatggag	gtccaaatgc	tcatgcccag	ctcctaaga	115140
tgatagtaac	aaagaggtag	cattttggtg	ttcagacaag	cacttttctag	aacatttgct	115200
tacattattg	ccttcccaga	accctcgacc	ccatgtcatc	tgccccaagt	ccagacgttc	115260
cctgtgaata	tctcctccct	gctctgcctt	tgaggatcag	aagtttccag	agatggacac	115320
acagtctgaa	ctagagaatc	agctgctgca	ccacagaaaag	atgtctgggc	tgcatcggtt	115380
ccctgcaacc	cactgccaac	actcctactc	ctacttcatg	ccccacaatc	tcgcagttag	115440
gacaggcaca	cctctgcagc	tctcacctgc	cagccctctc	cggcacaact	tgtttaccag	115500
ctaacatcca	gcgagtaggc	aggtcagtag	cagaactgcc	ccaggctcct	tcgtctcctg	115560
ggctccattc	tagggctgct	gaatcaagct	agcaggggct	taagcccaac	agtcctttca	115620
tttctttgtg	cttcttcaat	agttctgatg	cttgcaactc	tttaggtgag	tggttcccaa	115680
catttttggc	accagggacc	acttccgtgg	aagacagtht	ttccacagat	agtggtgggg	115740
ggatggtttc	gggatgaaac	tgttccacct	cagatcatca	gacattagct	tctcataagg	115800
agtgtgcagc	ctagaccctt	cacatgtgca	gttcacaata	gggtttgcgc	ttctgtgaga	115860
atctaagtgc	tcagctgatc	tgatggaagc	tcagggtgga	atgcttcctc	acccaccgct	115920
cacctcctgc	tgtgcggcct	ggttcctaac	agtccatgga	ctagtactgg	tccgtggccc	115980
aggagtthgg	gacccctgct	ttagggtgaaa	tcaacagctg	atattgccac	atggtagctt	116040
tggccactca	ctcccagagg	tccagcctag	ggagggtgata	acaccaacct	gagattctct	116100
ttggccccct	tcagctccaa	tcttatttga	ttgtcacaga	aatctccacc	cttctccttg	116160
ttcttcccat	tttctaggct	gttttagtaag	aggcaaaata	cttgthtctc	tacttcttca	116220
ttccctggag	atatgcttca	catttatcta	aatttttgca	aaagtgtgat	aaactccaag	116280
tgggaccatt	ccaaacatta	ttcagctcat	acctgcggag	tggcctgacc	ctctcagttc	116340
tgggaaaagg	gagagggcgc	tgcagtgccc	agcaggcact	cagactgggc	ctccttgctc	116400
ttcataagca	atgccgcaca	gtgtggggat	gtaaggagaa	gaccaagata	atgacaataa	116460
atcatggttg	gcctttattg	agcaccgttt	atgtcagtta	ttgtgctagc	actttacatg	116520
catcaactca	tttacttgga	gggaggcacc	tccttagaac	ctgaggtcac	cagccaatac	116580
actggaagaa	ctgagatttc	agccaagggt	ctttgaaagc	cacaccttct	ccacatgggt	116640
gggcactatg	gaacctctcg	cggcatcttt	tgttgatggt	tttgctttta	ttttacagaa	116700
aaatgctgtg	attgaaagcc	tgcaggaaca	agtaaaaca	gccaaagaga	agattgtgag	116760
gctgatgtca	gctgagtgca	cctatgacct	cccagagggg	gctgccccac	ctgcctcttc	116820
cccgaacaag	gacgtccagg	cggtagcctc	ggtccacacc	ctggcagctg	ctcaggggcc	116880
ttcgggtcac	ctctctgact	ttcagaatga	tcctggcatg	gctgcccggg	attcccagtg	116940
cacttcaggg	ccctcctcat	atgcacaaag	ccttgagggg	cctgggaagg	actccagctt	117000
ctccccaggg	aaggaggaga	agatatctga	ctcaaaagac	ttttctgatc	atttagactc	117060

aggtttagc	cagaagccat	ggactgagca	aagcctgggt	ccagaaagag	gagaccaagt	117120
ccccatgaac	cccagccaga	gtctcctacc	aganagaggc	ggctcagatc	cccagagaca	117180
gaggcatctg	gagaactcag	aggaccccc	agagcggcgg	tcacgggtta	gttcagtaat	117240
cagggagaaa	cttcaggagg	tcttacaaga	tctgggcctg	ggccttgagg	cttcctctc	117300
caccgcccc	tcttgtcatc	agcaaacctg	gaagaacagt	gctgccttca	gccccaaaa	117360
gatgccccctc	tccaaggagc	tcggcttttag	cccttacatg	gtgaggagaa	ggcgggcagc	117420
tcagcggggcc	cgctcacact	ttcctggctc	tgcaccctca	tctgtggggc	atcgggcaaa	117480
caggactgtt	cctggggcac	acagcaggct	acatgtgcag	aatggggaca	gccccagcct	117540
ggccccacaa	actactgatt	ccagagtacg	aagaccttct	tccaggaagc	cttcactacc	117600
ttcagatcct	caagacagac	caggtagcct	ggagggcagc	aaacaaagcc	agacagagcc	117660
cgaggggggct	agaggggagca	aagcagcctt	tcttcgccag	ccttctgggt	ctggccgggc	117720
cccaagtccct	gctgccccat	gcctctccaa	agcctcacct	gacttgccctg	aacagtggca	117780
gctgtggccc	ccagtgccct	caggctgtgc	ctccctgtct	tctcaacaca	gctattttga	117840
tactgagtcc	agcagctcag	atgagttctt	ctgccgctgc	caccggccct	actgtgaaat	117900
ctgcttccag	agctcttctg	actctagtga	cagtggcaca	tcagacactg	accctgagcc	117960
tactggggggg	ctggcttctt	gggaaaagct	gtgggcccgc	tccaagccta	ttgtgaactt	118020
caaagatgac	ttgaaaccca	cgctgggtgtg	aaaagcaaca	gagctgggtct	agacacagag	118080
gtcagtccaa	gagaagctgt	accaaggccc	acaggagaag	agccaatttc	tggctcttgg	118140
ggaacagatt	agtgccctgc	atttgaccag	cccataccat	gtttcagcta	ggctcactgt	118200
gttactttga	gtacttcttg	atctataaaa	agagaggcat	tgctgtcct	gttactacct	118260
cgcagcctta	ctataaaaga	ctccagttga	gtgactatga	aagacactga	ctccttggat	118320
aaaagggtgct	gaatgaacac	ataggatttt	ctgtccaggt	cagcctacat	tctgtaaaac	118380
tcttaatat	ttcagatgga	tggctgaatg	gacagacaga	tggagagatg	catgggaaat	118440
ttctgtagaa	cttgagggtg	ggactgtgac	ccatcaaact	ggccttttgg	tggacagacc	118500
taccaggaag	ataagtctcc	tacatccttg	ggcctcccac	tcttgggaagg	cagtgggttt	118560
atttctgctg	aatgttgtga	acagcacctc	cctagattcc	agcttctggc	cagacccagc	118620
tcagagccac	ccctacacca	ctatttcttg	atggtgtctt	tccaccatta	tggcacttta	118680
ccctcctctc	tgagacagat	ctccatgcgc	ccgcaggctt	cccagatctc	tcccctggga	118740
tcggatgtac	ctgaggctct	gactgtcccc	actgtcccc	tgtcctgtgg	ctcatcctcg	118800
attcaccac	tgatgcagtt	ttgtactgcg	gggaggcaca	caccagcaat	ttctgttggg	118860
gtatgggaga	acctgttgg	caagagtgt	tttggttcca	ttgggggttac	atgactacca	118920
acagacacat	aaacctggaa	gccaaatgga	gaaataaaaa	ggaagacacg	agggacacga	118980
aaacaggaaa	gaaaacagga	tttgaatatt	tcacttgagt	ccagcatagt	acttggcaat	119040
atcataat	tgtgattcct	tttgataacc	ctgtgaagta	gacactttca	tttttacaga	119100
caaggattat	gaggcttaga	gaaatgagg	agtttcccgc	aacatcacac	tgctggacag	119160
agatgtacac	acagctcctg	ggactcaagt	aggtgggttt	tcccaggagc	acatggcttc	119220
atgtgttctt	ctgggaatgg	cagggtgacgc	ttggcagacg	agacaacaaa	gcaaggctca	119280
tgtgaagaaag	ctgggatgtg	ctccccata	gtccagaata	atagacctgg	gtcctcacct	119340
caggaaacgg	gcctccactt	cctcactgcc	aaaggccaca	ctggcacctc	ccaagggagc	119400
tggggagctg	gtgaaggatg	agtgcgagga	actcagccac	caccagagcc	acagggagag	119460
cacacctggg	tccactgtgc	ttattgctga	gctggctgtc	atgtccaggc	tgtcccctgc	119520
cccgagtcct	gtgtatacat	ctgtgggtgt	gcacatgttt	gcatgaagga	attcaggcct	119580
tattaaatat	tctcagaggg	gggcatttgg	ctctaaatgt	atcatcaatt	tatcatggaa	119640
tcttggggggc	tgctgacacc	cctggactct	ccaggcactg	aacctgagg	ccctcctgga	119700
agcacagctt	cttctatcat	ctacttttaa	acagggaattt	cctaatttat	tctgtgcatg	119760
ggtttgcagt	ttcttgtgct	gtgtgtgtgc	tgtccaagtg	gtaccataat	aaaagagaaa	119820
tgactcccga	gaggagtctt	ttcagaaaact	gtaatctggg	gctggccagg	aggggcccgg	119880
agaaggctga	cccacccaaa	gaagggaac	cagagaagcc	atcagagctg	ctgccgggct	119940
accctgggtc	ccagtgtacc	ttctaccaaa	gttccatttg	aacagattct	tctgtgttct	120000
ccctaagaag	cctcttatcc	cagaaacact	ccctcaatgg	acataggaaa	ccctggagac	120060

cctggactct	tcctgcccct	gggggtcctg	tggctgggct	ccccctcctg	cagctccctt	120120
cctcccagca	tgccaccact	agcagcccac	cattcattca	tgtggactct	aaatctggca	120180
atccttctag	ccttctcact	ctgtctgctt	ctagaacctt	agtcccacca	tccccgccct	120240
tctacatctc	catccttctg	tttagaattt	tttttcccac	tttgtgccct	tgtgaattat	120300
tcaccttca	aggctcagg	ggagcataca	ttctttcttc	aacctttccc	agccatcccc	120360
aaagaaagct	gattgattcc	ctagttaa	aaggaaggat	gggctggaag	cagtggctca	120420
cgctctgta	at	cccagcac				120438

<210> 13
 <211> 2442
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Wild type GPR156 isoform 1 cDNA

<220>
 <221> variation
 <222> (1548) .. (1548)
 <223> n is a, g, t, or c

<400> 13	
atggagcctg	aaataaaactg
ctctgaattg	tgtgacagtt
ttcctggcca	ggagctggat
60	
cggagacccc	ttcatgatct
ctgcaagaca	acaattacat
cttcccacca	cagcagtaag
120	
accatctctt	cattatctcc
tgtcctcttg	ggtattgttt
ggacttttct	cagctgtgga
180	
cttctgctga	tacttttctt
tcttgccctt	acaattcact
gcaggaagaa	caggattgtg
240	
aagatgtcca	gtcccaatct
gaacattgtg	accttactgg
gcagttgtct	cacttacagt
300	
agcgcttacc	tctttgggat
tcaggatgtt	ttagtgggga
gctcaatgga	aactctcatt
360	
cagacaagac	tgtccatgct
gtgcattggg	acctcccttg
tgtttggccc	cattctggga
420	
aagagctggc	gactctacaa
gggtgtttacc	caaagggtcc
cggacaagag	agtgattatc
480	
aaagacctgc	agttgtctgg
gttggtggca	gccctgttga
tggctgatgt	gatcctgctc
540	
atgacgtggg	tgctgactga
tcccatccag	tgccctccaga
ttctcagtgt	cagtatgacg
600	
gtgacaggga	aagacgtgtc
ctgcacttcg	accagcaccc
acttctgtgc	ttcccgggat
660	
tccgatgttt	ggattgctct
catttgggga	tgcaagggtc
tgctcctgct	gtatggtgcc
720	
tacctggctg	gcctgactgg
ccatgtcagc	tccccctcctg
tgaatcagtc	cttaaccatc
780	
atgggtggggg	tcaacctcct
tgtactggct	gctgggctgc
ttttttagt	caccagatac
840	
ttgcattcct	ggcccaacct
ggcttttgga	ctcacatctg
gagggatctt	tgtttgtaca
900	
actacaatca	actgcttcat
cttcattccc	cagctgaagc
aatggaaggc	atttgaagag
960	
gaaaaccaaaa	caatcagacg
catggccaaa	tatttcagca
ctcccaacaa	aagcttccat
1020	
accagtatg	gtgaggagga
gaactgccac	ccgagggggag
agaaaaagctc	catggagagg
1080	
ctcctcacag	aaaaaaatgc
tgtgattgaa	agcctgcagg
aacaagtaaa	caacgcaaaa
1140	
gagaagattg	tgaggctgat
gtcagctgag	tgcacctatg
acctcccaga	gggggctgcc
1200	
ccacctgcct	cttccccgaa
caaggacgtc	caggcggtag
cctcggtcca	caccctggca
1260	
gctgctcagg	ggccttcggg
tcacctctct	gactttcaga
atgatcctgg	catggctgcc
1320	
cgggattccc	agtgcacttc
agggccctcc	tcatatgcac
aaagccttga	ggggcctggg
1380	
aaggactcca	gcttctcccc
agggaaggag	gagaagatat
ctgactcaaaa	agacttttct
1440	
gatcatttag	actcagggtg
tagccagaag	ccatggactg
agcaaaagcct	gggtccagaa
1500	
agaggagacc	aagtccccat
gaaccccagc	cagagtctcc
taccaganag	aggcggtc
1560	
gatccccaga	gacagaggca
tctggagaac	tcagaggagc
ccccagagcg	gcggtcacgg
1620	
gttagttcag	taatcaggga
gaaacttcag	gagggtcttac
aagatctggg	cctgggcccct
1680	

gaggcttccc	tctccaccgc	ccccctttgt	catcagcaaa	cctggaagaa	cagtgtgcc	1740
ttcagcccc	aaaagatgcc	cctctccaag	gagctcggct	ttagccctta	catggtgagg	1800
agaaggcggg	cagctcagcg	ggcccgtca	cactttcctg	gctctgcacc	ctcatctgtg	1860
gggcatcggg	caaacaggac	tggttcctggg	gcacacagca	ggctacatgt	gcagaatggg	1920
gacagcccca	gcctggcccc	acaaactact	gattccagag	tacgaagacc	ttcttccagg	1980
aagccttcac	taccttcaga	tcctcaagac	agaccaggta	ccctggaggg	cagcaaaca	2040
agccagacag	agcccagagg	ggctagaggg	agcaaagcag	cctttcttcg	ccagccttct	2100
ggttctggcc	gggccccaa	tcctgctgcc	ccatgcctct	ccaaagcctc	acctgacttg	2160
cctgaacagt	ggcagctgtg	gccccagtg	ccctcaggct	gtgcctccct	gtcttctcaa	2220
cacagctatt	ttgatactga	gtccagcagc	tcagatgagt	tcttctgccg	ctgccaccgg	2280
ccctactgtg	aaatctgctt	ccagagctct	tctgactcta	gtgacagtgg	cacatcagac	2340
actgaccctg	agcctactgg	ggggctggct	tcctgggaaa	agctgtgggc	ccgctccaag	2400
cctattgtga	acttcaaaga	tgacttgaaa	cccacgctgg	tg		2442

<210> 14

<211> 2430

<212> DNA

<213> Artificial Sequence

<220>

<223> Wild type GPR156 isoform 2 cDNA

<220>

<221> variation

<222> (1536) .. (1536)

<223> n is a, g, t, or c

<400> 14

atggagcctg	aaataaactg	ctctgaattg	tgtgacagtt	ttcctggcca	ggagctggat	60
cggagacccc	ttcatgatct	ctgcaagaca	acaattacat	cttcccacca	cagcagtaag	120
accatctctt	cattatctcc	tgtcctcttg	ggtattgttt	ggacttttct	cagctgtgga	180
cttctgctga	tacttttctt	tcttgccctt	acaattcact	gcaggaagaa	caggattgtg	240
aagatgtcca	gtcccaatct	gaacattgtg	accttactgg	gcagttgtct	cacttacagt	300
agcgcttacc	tctttgggat	tcaggatggt	ttagtgggga	gctcaatgga	aactctcatt	360
cagacaagac	tgtccatgct	gtgcattggg	acctcccctg	tgtttggccc	cattctggga	420
aagagctggc	gactctacaa	ggtgtttacc	caaaggggtc	cggacaagag	agtgattatc	480
aaagacctgc	agttgctggg	gttggtggca	gccctgttga	tggctgatgt	gatcctgctc	540
atgacgtggg	tgctgactga	tcccatccag	tgctccaga	ttctcagtgt	gacagggaaa	600
gacgtgtcct	gcacttcgac	cagcacccac	ttctgtgctt	cccgggtattc	cgatgtttgg	660
attgctctca	tttggggatg	caagggtctg	ctcctgctgt	atgggtgccta	cctggctggc	720
ctgactggcc	atgtcagctc	ccctcctgtg	aatcagtcct	taaccatcat	ggtgggggtc	780
aacctccttg	tactggctgc	tgggctgctt	tttgtagtca	ccagatactt	gcattcctgg	840
cccaacctgg	tctttggact	cacatctgga	gggatctttg	tttgtacaac	tacaatcaac	900
tgcttcatct	tcattcccca	gctgaagcaa	tgggaaggcat	ttgaagagga	aaaccaaaca	960
atcagacgca	tggccaaata	tttcagcact	cccaacaaaa	gcttccatac	ccagtatggg	1020
gaggaggaga	actgccaccc	gaggggagag	aaaagctcca	tggagaggct	cctcacagaa	1080
aaaaatgctg	tgattgaaag	cctgcaggaa	caagtaaaca	acgccaaaaga	gaagattgtg	1140
aggctgatgt	cagctgagtg	cacctatgac	ctcccagagg	gggctgcccc	acctgcctct	1200
tccccgaaca	aggacgtcca	ggcggtagcc	tcggtccaca	ccctggcagc	tgctcagggg	1260
ccttcgggtc	acctctctga	ctttcagaat	gatcctggca	tggctgcccc	ggattcccag	1320

tgcacttcag	ggccctcctc	atatgcacaa	agccttgagg	ggcctgggaa	ggactccagc	1380
ttctccccag	ggaaggagga	gaagatatct	gactcaaaag	acttttctga	tcatttagac	1440
tcaggttgta	gccagaagcc	atggactgag	caaagcctgg	gtccagaaag	aggagaccaa	1500
gtcccatatga	acccagcca	gagtctccta	ccaganagag	gcggtcaga	tccccagaga	1560
cagaggcatc	tggagaactc	agaggagccc	ccagagcggc	ggtcacgggt	tagttcagta	1620
atcagggaga	aacttcagga	ggctttacaa	gatctgggcc	tgggccctga	ggcttccctc	1680
tccaccgccc	cctcttgtca	tcagcaaacc	tggaagaaca	gtgctgcctt	cagcccccaa	1740
aagatgcccc	tctccaagga	gctcggcttt	agcccttaca	tggtagaggag	aaggcgggca	1800
gctcagcggg	cccgtcaca	ctttcctggc	tctgcaccct	catctgtggg	gcatcgggca	1860
aacaggactg	ttcctggggc	acacagcagg	ctacatgtgc	agaatgggga	cagccccagc	1920
ctggccccac	aaactactga	ttccagagta	cgaagacctt	cttccaggaa	gccttcacta	1980
ccttcagatc	ctcaagacag	accagggtacc	ctggaggggca	gcaaacaaag	ccagacagag	2040
cccgaggggg	ctagaggggag	caaagcagcc	tttcttcgcc	agccttctgg	ttctggccgg	2100
gccccaaagtc	ctgctgcccc	atgcctctcc	aaagcctcac	ctgacttgcc	tgaacagtgg	2160
cagctgtggc	ccccagtgcc	ctcaggctgt	gcctccctgt	cttctcaaca	cagctatttt	2220
gatactgagt	ccagcagctc	agatgagttc	ttctgccgct	gccaccggcc	ctactgtgaa	2280
atctgcttcc	agagctcttc	tgactctagt	gacagtggca	catcagacac	tgaccctgag	2340
cctactgggg	ggctggcttc	ctgggaaaag	ctgtggggcc	gctccaagcc	tattgtgaac	2400
ttcaaagatg	acttgaaacc	cacgctggtg				2430

<210> 15

<211> 1515

<212> DNA

<213> Artificial Sequence

<220>

<223> Wild type GPR156 cDNA, fragment 310-814

<220>

<221> variation

<222> (621) .. (621)

<223> n is a, g, t, or c

<400> 15

ccccagctga	agcaatggaa	ggcatttgaa	gaggaaaacc	aaacaatcag	acgcatggcc	60
aaatatattca	gcactcccaa	caaaagcttc	catacccgat	atggtgagga	ggagaactgc	120
cacccgaggg	gagagaaaaag	ctccatggag	aggctcctca	cagaaaaaaa	tgctgtgatt	180
gaaagcctgc	aggaacaagt	aaacaacgcc	aaagagaaga	ttgtgaggct	gatgtcagct	240
gagtgcacct	atgacctccc	agagggggct	gccccacctg	cctcttcccc	gaacaaggac	300
gtccaggcgg	tagcctcggt	ccacaccctg	gcagctgctc	aggggccttc	gggtcacctc	360
tctgactttc	agaatgatcc	tggcatggct	gcccgggatt	cccagtgcac	ttcaggggccc	420
tcctcatatg	cacaaagcct	tgaggggcct	gggaaggact	ccagcttctc	cccagggaag	480
gaggagaaga	tatctgactc	aaaagacttt	tctgatcatt	tagactcagg	ttgtagccag	540
aagccatgga	ctgagcaaag	cctgggtcca	gaaagaggag	accaagtccc	catgaacccc	600
agccagagtc	tcctaccaga	nagaggcggc	tcagatcccc	agagacagag	gcatctggag	660
aactcagagg	agcccccaga	gcggcgggtca	cgggttagtt	cagtaatcag	ggagaaactt	720
caggagggtct	tacaagatct	gggcctgggc	cctgaggctt	ccctctccac	cgccccctct	780
tgtcatcagc	aaacctggaa	gaacagtgtc	gccttcagcc	cccaaaagat	gccccctctc	840
aaggagctcg	gcttttagccc	ttacatgggtg	aggagaaggc	gggcagctca	gcgggcccgc	900
tcacactttc	ctggctctgc	accctcatct	gtggggcatc	gggcaaacag	gactgttcct	960

ggggcacaca	gcaggctaca	tgtgcagaat	ggggacagcc	ccagcctggc	cccacaaact	1020
actgattcca	gagtacgaag	accttcttcc	aggaagcctt	cactaccttc	agatcctcaa	1080
gacagaccag	gtaccttga	gggcagcaaa	caaagccaga	cagagcccga	gggggctaga	1140
gggagcaaa	gagcctttct	tcgccagcct	tctggttctg	gccgggcccc	aagtcctgct	1200
gccccatgcc	tctccaaagc	ctcacctgac	ttgcctgaac	agtggcagct	gtggcccca	1260
gtgccctcag	gctgtgcctc	cctgtcttct	caacacagct	attttgatac	tgagtccagc	1320
agctcagatg	agttcttctg	ccgctgccac	cggccctact	gtgaaatctg	cttccagagc	1380
tcttctgact	ctagtgcag	tggcacatca	gacactgacc	ctgagcctac	tggggggctg	1440
gcttcctggg	aaaagctgtg	ggcccgtccc	aagcctattg	tgaacttcaa	agatgacttg	1500
aaaccacgc	tggtg					1515

<210> 16
 <211> 2442
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> E533D GPR156 GAT cDNA

<220>
 <221> variation
 <222> (1548) .. (1548)
 <223> n is a, g, t, or c

<400> 16						
atggagcctg	aaataaaactg	ctctgaattg	tgtgacagtt	ttcctggcca	ggagctggat	60
cggagacccc	ttcatgatct	ctgcaagaca	acaattacat	cttccaccca	cagcagtaag	120
accatctctt	cattatctcc	tgtcctcttg	ggtattgttt	ggacttttct	cagctgtgga	180
cttctgctga	tacttttctt	tcttgccitt	acaattcact	gcaggaagaa	caggattgtg	240
aagatgtcca	gtcccaatct	gaacattgtg	accttactgg	gcagttgtct	cacttacagt	300
agcgcttacc	tctttgggat	tcaggatgtt	ttagtgggga	gctcaatgga	aactctcatt	360
cagacaagac	tgtccatgct	gtgcattggg	acctcccttg	tgtttggccc	cattctggga	420
aagagctggc	gactctacaa	ggtgtttacc	caaagggtcc	cggacaagag	agtgattatc	480
aaagacctgc	agttgctggg	gttgggtggc	gccctgttga	tggctgatgt	gacacctgct	540
atgacgtggg	tgctgactga	tcccatccag	tgccctccaga	ttctcagtgt	cagtatgacg	600
gtgacaggga	aagacgtgtc	ctgcacttcg	accagcacc	acttctgtgc	ttcccgggat	660
tccgatgttt	ggattgctct	catttgggga	tgcaagggtc	tgctcctgct	gtatggtgcc	720
tacctggctg	gcctgactgg	ccatgtcagc	tcccctcctg	tgaatcagtc	cttaaccatc	780
atggtggggg	tcaacctcct	tgtactggct	gctgggctgc	ttttttagt	caccagatac	840
ttgcattcct	ggcccaacct	ggtcttttga	ctcacatctg	gagggatcct	tgtttgtaca	900
actacaatca	actgcttcat	cttcattccc	cagctgaagc	aatggaaggc	atttgaagag	960
gaaaaccaaa	caatcagacg	catggccaaa	tatttcagca	ctcccaacaa	aagcttccat	1020
accagtatg	gtgaggagga	gaactgccac	ccgaggggag	agaaaagctc	catggagagg	1080
ctcctcacag	aaaaaaatgc	tgtgattgaa	agcctgcagg	aacaagtaaa	caacgccaaa	1140
gagaagattg	tgaggctgat	gtcagctgag	tgacacctatg	acctcccaga	gggggctgcc	1200
ccacctgcct	cttccccgaa	caaggacgtc	caggcggtag	cctcggtcca	caccctggca	1260
gctgctcagg	ggccttcggg	tcacctctct	gactttcaga	atgatcctgg	catggctgcc	1320
cgggattccc	agtgcacttc	agggccctcc	tcatatgcac	aaagccttga	ggggcctggg	1380
aaggactcca	gcttctcccc	agggaaggag	gagaagatat	ctgactcaaa	agacttttct	1440
gatcatttag	actcaggttg	tagccagaag	ccatggactg	agcaaagcct	gggtccagaa	1500

agaggagacc	aagtccccat	gaaccccagc	cagagtctcc	taccaganag	aggcggctca	1560
gatccccaga	gacagaggca	tctggagaac	tcagaggatc	ccccagagcg	gcggtcacgg	1620
gttagttcag	taatcaggga	gaaacttcag	gaggtcttac	aagatctggg	cctgggccct	1680
gaggcttccc	tctccaccgc	cccctcttgt	catcagcaaa	cctggaagaa	cagtgtgcc	1740
ttcagccccc	aaaagatgcc	cctctccaag	gagctcggct	ttagccctta	catggtgagg	1800
agaaggcggg	cagctcagcg	ggcccgtca	cactttcctg	gctctgcacc	ctcatctgtg	1860
gggcatcggg	caaacaggac	tgttcctggg	gcacacagca	ggctacatgt	gcagaatggg	1920
gacagcccca	gcctggcccc	acaaactact	gattccagag	tacgaagacc	ttcttccagg	1980
aagccttcac	taccttcaga	tcctcaagac	agaccaggta	ccctggaggg	cagcaaacaa	2040
agccagacag	agcccagagg	ggctagaggg	agcaaagcag	cctttcttcg	ccagccttct	2100
ggttctggcc	gggccccaa	tcctgctgcc	ccatgcctct	ccaaagcctc	acctgacttg	2160
cctgaacagt	ggcagctgtg	gccccagtg	ccctcaggct	gtgcctccct	gtcttctcaa	2220
cacagctatt	ttgatactga	gtccagcagc	tcagatgagt	tcttctgccg	ctgccaccgg	2280
ccctactgtg	aaatctgctt	ccagagctct	tctgactcta	gtgacagtgg	cacatcagac	2340
actgaccctg	agcctactgg	ggggctggct	tcctgggaaa	agctgtgggc	ccgctccaag	2400
cctattgtga	acttcaaaga	tgacttgaaa	cccacgctgg	tg		2442

<210> 17
 <211> 2442
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> E533D GPR156 GAC cDNA

<220>
 <221> variation
 <222> (1548) .. (1548)
 <223> n is a, g, t, or c

<400> 17						
atggagcctg	aaataaaactg	ctctgaattg	tgtgacagtt	ttcctggcca	ggagctggat	60
cggagacccc	ttcatgatct	ctgcaagaca	acaattacat	cttccacca	cagcagtaag	120
accatctctt	cattatctcc	tgtcctcttg	ggtattgttt	ggacttttct	cagctgtgga	180
cttctgctga	tacttttctt	tcttgccctt	acaattcact	gcaggaagaa	caggattgtg	240
aagatgtcca	gtcccaatct	gaacattgtg	accttactgg	gcagttgtct	catttacagt	300
agcgcttacc	tctttgggat	tcaggatgtt	ttagtgggga	gctcaatgga	aactctcatt	360
cagacaagac	tgtccatgct	gtgcattggg	acctcccttg	tgtttggccc	cattctggga	420
aagagctggc	gactctacaa	ggtgtttacc	caaagggtcc	cggacaagag	agtgattatc	480
aaagacctgc	agttgtctgg	gttggtggca	gccctgttga	tggctgatgt	gatcctgctc	540
atgacgtggg	tgctgactga	tcccatccag	tgccctccaga	ttctcagtgt	cagtatgacg	600
gtgacaggga	aagacgtgtc	ctgcacttcg	accagcacc	acttctgtgc	ttcccggtat	660
tccgatgttt	ggattgctct	catttgggga	tgcaagggtc	tgctcctgct	gtatggtgcc	720
tacctggctg	gcctgactgg	ccatgtcagc	tcccctcctg	tgaatcagtc	cttaaccatc	780
atgggtgggg	tcaacctcct	tgtactggct	gctgggctgc	ttttttagt	caccagatac	840
ttgcattcct	ggcccaacct	ggtctttgga	ctcacatctg	gagggatctt	tgtttgtaca	900
actacaatca	actgcttcat	cttcattccc	cagctgaagc	aatggaaggc	atttgaagag	960
gaaaacaaaa	caatcagacg	catggccaaa	tatttcagca	ctcccaacaa	aagcttccat	1020
accagtatg	gtgaggagga	gaactgccac	ccgaggggag	agaaaagctc	catggagagg	1080
ctcctcacag	aaaaaaatgc	tgtgattgaa	agcctgcagg	aacaagtaaa	caacgcaaaa	1140

gagaagattg	tgaggctgat	gtcagctgag	tgcacctatg	acctcccaga	gggggctgcc	1200
ccacctgcct	cttccccgaa	caaggacgtc	caggcggtag	cctcgggtcca	caccctggca	1260
gctgctcagg	ggccttcggg	tcacctctct	gactttcaga	atgatcctgg	catggctgcc	1320
cgggattccc	agtgcacttc	agggccctcc	tcatatgcac	aaagccttga	ggggcctggg	1380
aaggactcca	gcttctcccc	agggaaggag	gagaagatat	ctgactcaaa	agacttttct	1440
gatcatttag	actcagggtt	tagccagaag	ccatggactg	agcaaagcct	gggtccagaa	1500
agaggagacc	aagtccccat	gaaccccagc	cagagtctcc	taccaganag	aggcggctca	1560
gatccccaga	gacagaggca	tctggagaac	tcagaggacc	ccccagagcg	gcggtcacgg	1620
gttagttcag	taatcaggga	gaaacttcag	gaggctttac	aagatctggg	cctgggccct	1680
gaggcttccc	tctccaccgc	cccctcttgt	catcagcaaa	cctggaagaa	cagtgtgcc	1740
ttcagccccc	aaaagatgcc	cctctccaag	gagctcggct	ttagccctta	catggtgagg	1800
agaaggcggg	cagctcagcg	ggcccgcctca	cactttcctg	gctctgcacc	ctcatctgtg	1860
gggcatcggg	caaacaggac	tgttcctggg	gcacacagca	ggctacatgt	gcagaatggg	1920
gacagcccca	gcctggcccc	acaaactact	gattccagag	tacgaagacc	ttcttccagg	1980
aagccttcac	taccttcaga	tcctcaagac	agaccaggta	ccctggagggg	cagcaaacaa	2040
agccagacag	agcccgaggg	ggctagaggg	agcaaagcag	cctttcttcg	ccagccttct	2100
ggttctggcc	gggccccaa	tcctgctgcc	ccatgcctct	ccaaagcctc	acctgacttg	2160
cctgaacagt	ggcagctgtg	gccccagtg	ccctcaggct	gtgcctccct	gtcttctcaa	2220
cacagctatt	ttgatactga	gtccagcagc	tcagatgagt	tcttctgccg	ctgccaccgg	2280
ccctactgtg	aaatctgctt	ccagagctct	tctgactcta	gtgacagtgg	cacatcagac	2340
actgaccctg	agcctactgg	ggggctggct	tcctgggaaa	agctgtgggc	ccgctccaag	2400
cctattgtga	acttcaaaga	tgacttgaaa	cccacgctgg	tg		2442

<210> 18
 <211> 2430
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> E529D GPR156 GAT cDNA

<220>
 <221> variation
 <222> (1536) .. (1536)
 <223> n is a, g, t, or c

<400> 18						
atggagcctg	aaataaaactg	ctctgaattg	tgtgacagtt	ttcctggcca	ggagctggat	60
cggagacccc	ttcatgatct	ctgcaagaca	acaattacat	cttcccacca	cagcagtaag	120
accatctctt	cattatctcc	tgtcctcttg	ggtattgttt	ggacttttct	cagctgtgga	180
cttctgctga	tacttttctt	tcttgccctt	acaattcact	gcaggaagaa	caggattgtg	240
aagatgtcca	gtcccaatct	gaacattgtg	accttactgg	gcagttgtct	cacttacagt	300
agcgcttacc	tctttgggat	tcaggatgtt	ttagtgggga	gctcaatgga	aactctcatt	360
cagacaagac	tgtccatgct	gtgcattggg	acctcccttg	tgtttggccc	cattctggga	420
aagagctggc	gactctacaa	ggtgtttacc	caaagggtcc	cggacaagag	agtgattatc	480
aaagacctgc	agttgctggg	gttggtggca	gccctgttga	tggctgatgt	gatcctgctc	540
atgacgtggg	tgctgactga	tcccatccag	tgctccaga	ttctcagtgt	gacagggaaa	600
gacgtgtcct	gcacttcgac	cagcaccac	ttctgtgctt	cccggatttc	cgatgtttgg	660
attgctctca	tttgggggat	caagggtctg	ctcctgctgt	atgggtgccta	cctggctggc	720
ctgactggcc	atgtcagctc	ccctcctgtg	aatcagtcct	taaccatcat	ggtgggggtc	780

aacctccttg	tactggctgc	tgggctgctt	tttgtagtca	ccagatactt	gcattcctgg	840
cccaacctgg	tctttggact	cacatctgga	gggatctttg	tttgtacaac	tacaatcaac	900
tgcttcatct	tcattcccca	gctgaagcaa	tgggaaggcat	ttgaagagga	aaaccaaaaca	960
atcagacgca	tggccaaata	tttcagcact	cccaacaaaa	gcttccatac	ccagtatggt	1020
gaggaggaga	actgccaccc	gaggggagag	aaaagctcca	tggagaggct	cctcacagaa	1080
aaaaatgctg	tgattgaaag	cctgcaggaa	caagtaaaca	acgccaaaga	gaagattgtg	1140
aggctgatgt	cagctgagt	cacctatgac	ctcccagagg	gggctgcccc	acctgcctct	1200
tccccgaaca	aggacgtcca	ggcggtagcc	tcggtccaca	ccctggcagc	tgctcagggg	1260
ccttcgggtc	acctctctga	ctttcagaat	gatcctggca	tggctgcccc	ggattcccag	1320
tgactttcag	ggccctcctc	atatgcacaa	agccttgagg	ggcctgggaa	ggactccagc	1380
ttctccccag	ggaaggagga	gaagatatct	gactcaaaaag	acttttctga	tcatttagac	1440
tcaggttgta	gccagaagcc	atggactgag	caaagcctgg	gtccagaaag	aggagaccaa	1500
gtccccatga	accccagcca	gagtctccta	ccaganagag	gcggctcaga	tccccagaga	1560
cagaggcatc	tggagaactc	agaggatccc	ccagagcggc	ggtcacgggt	tagttcagta	1620
atcagggaga	aacttcagga	ggtcttaca	gatctgggcc	tgggccctga	ggcttccttc	1680
tccaccgccc	cctcttgtca	tcagcaaacc	tggagaaca	gtgctgcctt	cagcccccaa	1740
aagatgcccc	tctccaagga	gctcggcttt	agcccttaca	tggtgaggag	aaggcgggca	1800
gctcagcggg	cccgttcaca	ctttcctggc	tctgcaccct	catctgtggg	gcatcgggca	1860
aacaggactg	ttcctggggc	acacagcagg	ctacatgtgc	agaatgggga	cagccccagc	1920
ctggccccac	aaactactga	ttccagagta	cgaagacctt	cttccaggaa	gccttcacta	1980
ccttcagatc	ctcaagacag	accaggatcc	ctggagggca	gcaaacaaag	ccagacagag	2040
cccgaggggg	ctagagggag	caaagcagcc	tttcttcgcc	agccttctgg	ttctggccgg	2100
gccccaaagtc	ctgctgcccc	atgcctctcc	aaagcctcac	ctgacttgcc	tgaacagtgg	2160
cagctgtggc	ccccagtgcc	ctcaggctgt	gcctccctgt	cttctcaaca	cagctatttt	2220
gatactgagt	ccagcagctc	agatgagttc	ttctgccgct	gccaccggcc	ctactgtgaa	2280
atctgcttcc	agagctcttc	tgactctagt	gacagtggca	catcagacac	tgaccctgag	2340
cctactgggg	ggctggcttc	ctgggaaaag	ctgtggggccc	gctccaagcc	tattgtgaac	2400
ttcaaagatg	acttgaaacc	cacgctgggt				2430

<210> 19
 <211> 2430
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> E529D GPR156 GAC cDNA

<220>
 <221> variation
 <222> (1536) .. (1536)
 <223> n is a, g, t, or c

<400> 19						
atggagcctg	aaataaactg	ctctgaattg	tgtgacagtt	ttcctggcca	ggagctggat	60
cggagacccc	ttcatgatct	ctgcaagaca	acaattacat	cttcccacca	cagcagtaag	120
accatctctt	cattatctcc	tgtcctcttg	ggatttgttt	ggacttttct	cagctgtgga	180
cttctgctga	tacttttctt	tcttgccctt	acaattcact	gcaggaagaa	caggattgtg	240
aagatgtcca	gtcccaatct	gaacattgtg	accttactgg	gcagttgtct	cacttacagt	300
agcgcttacc	tctttgggat	tcaggatgtt	ttagtgggga	gctcaatgga	aactctcatt	360
cagacaagac	tgtccatgct	gtgcattggg	acctcccttg	tgtttggccc	cattctggga	420

aagagctggc	gactctacaa	ggtgtttacc	caaaggggtcc	cggacaagag	agtgattatc	480
aaagacctgc	agttgctggg	gttggtggca	gccctgttga	tggctgatgt	gatcctgctc	540
atgacgtggg	tgctgactga	tcccatccag	tgccctcaga	ttctcagtgt	gacagggaaa	600
gacgtgtcct	gcacttcgac	cagcacccac	ttctgtgctt	cccgggtattc	cgatgtttgg	660
attgctctca	tttggggatg	caaggggtctg	ctcctgctgt	atgggtgccta	cctggctggc	720
ctgactggcc	atgtcagctc	ccctcctgtg	aatcagtcct	taaccatcat	ggtggggggtc	780
aacctccttg	tactggctgc	tgggctgctt	tttgtagtca	ccagatactt	gcatttcctgg	840
cccaacctgg	tctttggact	cacatctgga	gggatctttg	tttgtacaac	tacaatcaac	900
tgcttcatct	tcattcccca	gctgaagcaa	tgggaaggcat	ttgaagagga	aaaccaaaaca	960
atcagacgca	tggccaaata	tttcagcact	cccaacaaaa	gcttccatac	ccagtatggg	1020
gaggaggaga	actgccaccc	gaggggagag	aaaagctcca	tggagaggct	cctcacagaa	1080
aaaaatgctg	tgattgaaag	cctgcaggaa	caagtaaaca	acgccaaaaga	gaagattgtg	1140
aggctgatgt	cagctgagtg	cacctatgac	ctcccagagg	gggctgcccc	acctgcctct	1200
tccccgaaca	aggacgtcca	ggcggtagcc	tcggtccaca	ccctggcagc	tgctcagggg	1260
ccttcgggtc	acctctctga	ctttcagaat	gatcctggca	tggctgcccg	ggattcccag	1320
tgactttcag	ggccctctc	atatgcacaa	agccttgagg	ggcctgggaa	ggactccagc	1380
tttccccag	ggaaggagga	gaagatatct	gactcaaaag	acttttctga	tcatttagac	1440
tcaggttgta	gccagaagcc	atggactgag	caaagcctgg	gtccagaaaag	aggagaccaa	1500
gtccccatga	accccagcca	gagtctccta	ccaganagag	gcggctcaga	tccccagaga	1560
cagaggcatc	tggagaactc	agaggacccc	ccagagcggc	ggtcacgggt	tagttcagta	1620
atcagggaga	aacttcagga	ggtcttacaa	gatctgggcc	tgggccctga	ggcttccctc	1680
tccaccgccc	cctcttgta	tcagcaaacc	tggagaaca	gtgctgcctt	cagcccccaa	1740
aagatgcccc	tctccaagga	gctcggcttt	agcccttaca	tggtagaggag	aaggcgggca	1800
gctcagcggg	cccgtcaca	ctttcctggc	tctgcaccct	catctgtggg	gcatcgggca	1860
aacaggactg	ttcctggggc	acacagcagg	ctacatgtgc	agaatgggga	cagccccagc	1920
ctggccccac	aaactactga	ttccagagta	cgaagacctt	cttccaggaa	gccttcacta	1980
ccttcagatc	ctcaagacag	accagggtacc	ctggaggggca	gcaaacaaag	ccagacagag	2040
cccgaggggg	ctagaggggag	caaagcagcc	tttcttcgcc	agccttcttg	ttctggccgg	2100
gccccaaagtc	ctgctgcccc	atgcctctcc	aaagcctcac	ctgacttgcc	tgaacagtgg	2160
cagctgtggc	ccccagtgcc	ctcaggctgt	gcctccctgt	cttctcaaca	cagctatttt	2220
gatactgagt	ccagcagctc	agatgagttc	ttctgccgct	gccaccggcc	ctactgtgaa	2280
atctgcttcc	agagctcttc	tgactctagt	gacagtggca	catcagacac	tgacctgag	2340
cctactgggg	ggctggcttc	ctgggaaaag	ctgtggggcc	gctccaagcc	tattgtgaac	2400
ttcaaagatg	acttgaaacc	cacgctgggtg				2430

<210> 20

<211> 1515

<212> DNA

<213> Artificial Sequence

<220>

<223> E533D GPR156 GAT cDNA, fragment 310-814

<220>

<221> variation

<222> (621) .. (621)

<223> n is a, g, t, or c

<400> 20

ccccagctga agcaatggaa ggcatthttaa gaggaaaacc aaacaatcag acgcatggcc

60

aaatatattca	gcactcccaa	caaaagcttc	catacccagt	atggtgagga	ggagaactgc	120
cacccgaggg	gagagaaaaag	ctccatggag	aggctcctca	cagaaaaaaa	tgctgtgatt	180
gaaagcctgc	aggaacaagt	aaacaacgcc	aaagagaaga	ttgtgaggct	gatgtcagct	240
gagtgcacct	atgacctccc	agagggggct	gccccacctg	cctcttcccc	gaacaaggac	300
gtccaggcgg	tagcctcggg	ccacaccctg	gcagctgctc	aggggccttc	gggtcacctc	360
tctgactttc	agaatgatcc	tggcatggct	gcccgggatt	cccagtgac	ttcaggggccc	420
tcctcatatg	cacaaagcct	tgagggggcct	gggaaggact	ccagcttctc	cccagggaag	480
gaggagaaga	tatctgactc	aaaagacttt	tctgatcatt	tagactcagg	ttgtagccag	540
aagccatgga	ctgagcaaag	cctgggtcca	gaaagaggag	accaagtccc	catgaacccc	600
agccagagtc	tcctaccaga	nagaggcggc	tcagatcccc	agagacagag	gcatctggag	660
aactcagagg	atccccccaga	gcggcgggtca	cgggttagtt	cagtaatcag	ggagaaactt	720
caggagggtct	tacaagatct	gggcctgggc	cctgaggctt	ccctctccac	cgccccctct	780
tgtcatcagc	aaacctggaa	gaacagtgtc	gccttcagcc	cccaaaagat	gccccctctc	840
aaggagctcg	gcttttagccc	ttacatgggtg	aggagaaggc	gggcagctca	gcggggcccgc	900
tcacactttc	ctggctctgc	accctcatct	gtggggcatc	gggcaaacag	gactgttcct	960
ggggcacaca	gcaggctaca	tgtgcagaat	ggggacagcc	ccagcctggc	cccacaaact	1020
actgattcca	gagtacgaag	accttcttcc	aggaagcctt	cactaccttc	agatcctcaa	1080
gacagaccag	gtaccctgga	gggcagcaaa	caaagccaga	cagagcccga	gggggctaga	1140
gggagcaaag	cagcctttct	tcgccagcct	tctggttctg	gccgggcccc	aagtcctgct	1200
gccccatgcc	tctccaaagc	ctcacctgac	ttgcctgaac	agtggcagct	gtggccccca	1260
gtgccctcag	gctgtgcctc	cctgtcttct	caacacagct	attttgatac	tgagtccagc	1320
agctcagatg	agttcttctg	ccgctgccac	cggccctact	gtgaaatctg	cttcagagc	1380
tcttctgact	ctagtgcag	tggcacatca	gacactgacc	ctgagcctac	tggggggctg	1440
gcttcctggg	aaaagctgtg	ggcccgtcc	aagcctattg	tgaacttcaa	agatgacttg	1500
aaacccacgc	tggtg					1515

<210> 21
 <211> 1515
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> E533D GPR156 GAC cDNA, fragment 310-814

<220>
 <221> variation
 <222> (621) .. (621)
 <223> n is a, g, t, or c

<400> 21						
ccccagctga	agcaatggaa	ggcatttgaa	gaggaaaacc	aaacaatcag	acgcatggcc	60
aaatatattca	gcactcccaa	caaaagcttc	catacccagt	atggtgagga	ggagaactgc	120
cacccgaggg	gagagaaaaag	ctccatggag	aggctcctca	cagaaaaaaa	tgctgtgatt	180
gaaagcctgc	aggaacaagt	aaacaacgcc	aaagagaaga	ttgtgaggct	gatgtcagct	240
gagtgcacct	atgacctccc	agagggggct	gccccacctg	cctcttcccc	gaacaaggac	300
gtccaggcgg	tagcctcggg	ccacaccctg	gcagctgctc	aggggccttc	gggtcacctc	360
tctgactttc	agaatgatcc	tggcatggct	gcccgggatt	cccagtgac	ttcaggggccc	420
tcctcatatg	cacaaagcct	tgagggggcct	gggaaggact	ccagcttctc	cccagggaag	480
gaggagaaga	tatctgactc	aaaagacttt	tctgatcatt	tagactcagg	ttgtagccag	540
aagccatgga	ctgagcaaag	cctgggtcca	gaaagaggag	accaagtccc	catgaacccc	600

agccagagtc	tcctaccaga	nagaggcggc	tcagatcccc	agagacagag	gcatctggag	660
aactcagagg	accccccaga	gcggcgggtca	cgggttagtt	cagtaatcag	ggagaaactt	720
caggaggctt	tacaagatct	gggcctgggc	cctgaggctt	ccctctccac	cgccccctct	780
tgtcatcagc	aaacctggaa	gaacagtgct	gccttcagcc	cccaaaaagat	gccccctctcc	840
aaggagctcg	gcttttagccc	ttacatgggtg	aggagaaggc	gggcagctca	gcgggccccgc	900
tcacactttc	ctggctctgc	accctcatct	gtggggcatc	gggcaaacag	gactgttcct	960
ggggcacaca	gcaggctaca	tgtgcagaat	ggggacagcc	ccagcctggc	cccacaaact	1020
actgattcca	gagtacgaag	accttcttcc	aggaagcctt	cactaccttc	agatcctcaa	1080
gacagaccag	gtaccctgga	gggcagcaaa	caaagccaga	cagagcccga	gggggctaga	1140
gggagcaaa	cagcctttct	tcgccagcct	tctggttctg	gccgggcccc	aagtcctgct	1200
gccccatgcc	tctccaaaagc	ctcacctgac	ttgcctgaac	agtggcagct	gtggccccca	1260
gtgccctcag	gctgtgcctc	cctgtcttct	caacacagct	attttgatac	tgagtccagc	1320
agctcagatg	agttcttctg	ccgctgccac	cggccctact	gtgaaatctg	cttcagagc	1380
tcttctgact	ctagtgcag	tggcacatca	gacactgacc	ctgagcctac	tggggggctg	1440
gcttctggg	aaaagctgtg	ggcccgtcc	aagcctattg	tgaacttcaa	agatgacttg	1500
aaaccacgc	tggtg					1515

<210> 22
 <211> 2442
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Wild Type GPR156 isoform 1 mRNA

<220>
 <221> variation
 <222> (1548) .. (1548)
 <223> n is a, g, u, or c

<400> 22						
auggagccug	aaauaaacug	cucugaauug	ugugacaguu	uuccuggcca	ggagcuggau	60
cggagacccc	uucaugaucu	cugcaagaca	acaaauacau	cuuccaccca	cagcaguaag	120
accaucucuu	cauuauucc	uguccucuu	gguaauuuu	ggacuuuuu	cagcugugga	180
cuucugcuga	uacuuuuuu	ucuuugccuu	acaaauacau	gcaggaagaa	caggauugug	240
aagaugucca	gucccaauu	gaacauugug	accuuacugg	gcaguugucu	cacuuacagu	300
agcgcuuacc	ucuuugggau	ucaggauugu	uuagugggga	gcucaaugga	aacucucauu	360
cagacaagac	uguccaugcu	gugcauuggg	accucccuug	uguuuggccc	cauucuggga	420
aagagcuggc	gacucuaaca	gguguuuacc	caaagggucc	cggacaagag	agugauuau	480
aaagaccugc	aguugcuggg	guugguggca	gcccuguuga	uggcugaugu	gauccugcuc	540
augacguggg	ugcugacuga	ucccauccag	ugccuccaga	uucucagugu	caguaugacg	600
gugacaggga	aagacguguc	cugcacuucg	accagcacc	acuucugugc	uucccgguau	660
uccgauguuu	ggauugcucu	cauuugggga	ugcaagggu	ugcuccugcu	guauggugcc	720
uaccuggcug	gccugacugg	ccaugucagc	uccccuccug	ugaaucaguc	cuuaaccauc	780
augguggggg	ucaaccuccu	uguacuggcu	gcugggcugc	uuuuuguagu	caccagauac	840
uugcauuccu	ggcccaaccu	ggucuuugga	cucacaucug	gagggaucuu	uguuuguaca	900
acuacaauca	acugcuucau	cuucauuucc	cagcugaagc	aauggaaggc	auuugaagag	960
gaaaaccaa	caaucagacg	cauggccaaa	uaauucagca	cucccaacaa	aagcuuccau	1020
accaguaug	gugaggagga	gaacugccac	ccgaggggag	agaaaagcuc	cauggagagg	1080
cuccucacag	aaaaaaugc	ugugauugaa	agccugcagg	aacaaguaaa	caacgccaaa	1140

gagaagauug	ugaggcugau	gucagcugag	ugcaccuauug	accucccaga	gggggcugcc	1200
ccaccugccu	cuuccccgaa	caaggacguc	caggcgguag	ccucggucca	caccucggca	1260
gcugcucagg	ggccuucggg	ucaccucucu	gacuuucaga	augauccugg	cauggcugcc	1320
cgggauuucc	agugcacuuc	agggcccucc	ucauaugcac	aaagccuuga	ggggccuggg	1380
aaggacucca	gcuucucucc	agggaaaggag	gagaagauau	cugacucaaa	agacuuuuu	1440
gaucuuuag	acucagguug	uagccagaag	ccauggacug	agcaaagccu	ggguccagaa	1500
agaggagacc	aagucccca	gaaccccagc	cagagucucc	uaccaganag	aggcggcuca	1560
gaucucccaga	gacagaggca	ucuggagaac	ucagaggagc	ccccagagcg	gcggucacgg	1620
guuaguucag	uaaucaggga	gaaacuucag	gaggucuuac	aagaucuggg	ccugggccc	1680
gaggcuucc	ucuccaccgc	ccccucuugu	caucagcaaa	ccuggaagaa	cagugcugcc	1740
uucagcccc	aaaagaugcc	ccucuccaag	gagcucggcu	uuagcccuua	cauggugagg	1800
agaaggcggg	cagcucagcg	ggcccgcuca	cacuuuccug	gcucugcacc	cucaucugug	1860
gggcaucggg	caaacaggac	uguuccuggg	gcacacagca	ggcuacaugu	gcagaauagg	1920
gacagcccca	gccuggcccc	acaaacuacu	gauuccagag	uacgaagacc	uucuuccagg	1980
aagccuucac	uaccuucaga	uccucaagac	agaccaggua	ccuuggaggg	cagcaaaca	2040
agccagacag	agcccagggg	ggcuagaggg	agcaaagcag	ccuuucuuug	ccagccuuu	2100
gguuucggcc	gggccccaa	uccugcugcc	ccaugccucu	ccaaagccuc	accugacuug	2160
ccugaacagu	ggcagcugug	gccccagug	cccucaggcu	gugccucccu	gucuucuaa	2220
cacagcuauu	uugauacuga	guccagcagc	ucagaugagu	ucuucugccg	cugccaccgg	2280
cccuacugug	aaauucguu	ccagagcucu	ucugacucua	gugacagugg	cacaucagac	2340
acugacccug	agccuacugg	ggggcuggcu	uccugggaaa	agcugugggc	ccgcuccaag	2400
ccuauuguga	acuucaaaaga	ugacuugaaa	cccacgcugg	ug		2442

<210> 23

<211> 2430

<212> DNA

<213> Homo sapien

<220>

<223> Wild Type GPR156 isoform 2 mRNA

<220>

<221> variation

<222> (1536) .. (1536)

<223> n is a, g, u, or c

<400> 23

auaggagccug	aaaauaaacug	cucugaauug	ugugacaguu	uuccuggcca	ggagcuggau	60
cggagacccc	uucaugaucu	cugcaagaca	acaauuacau	cuucccacca	cagcaguaag	120
accaucucuu	cauuauucc	uguccucuu	gguaauuuu	ggacuuuuu	cagcugugga	180
cuucugcuga	uacuuuuuu	ucuugccuu	acaauucacu	gcaggaagaa	caggauugug	240
aagaugucca	gucccaauu	gaacauugug	accuuacugg	gcaguugucu	cacuuacagu	300
agcgcuuacc	ucuuugggga	ucaggauugu	uuagugggga	gcucaauugga	aacucucauu	360
cagacaagac	uguccaugcu	gugcauuggg	accucccuug	uguuuaggccc	cauucuggga	420
aagagcuggc	gacucuacaa	gguguuuuacc	caaaagggucc	cggacaagag	agugauuau	480
aaagaccugc	aguugcuggg	guugguggca	gcccuguuga	uggcugaugu	gauccugcuc	540
augacguggg	ugcugacuga	ucccauccag	ugccuccaga	uucucagugu	gacagggaaa	600
gacguguccu	gcacuucgac	cagcaccac	uucugugcuu	cccgguaau	cgauguuugg	660
auugcucuca	uuugggggga	caaggguucg	cuccugcugu	auggugccua	ccuggcuggc	720
cugacuggcc	augucagcuc	cccuccugug	aaucaguccu	uaaccaucau	gguggggguc	780

aaccuccuug	uacuggcugc	ugggcugcuu	uuuguaguca	ccagauacuu	gcuuuccugg	840
cccaaccugg	ucuuuggacu	cacaucugga	gggaucuuug	uuuguacaac	uacaaucaac	900
ugcuucaucu	ucauucccca	gcugaagcaa	uggaaggcau	uugaagagga	aaaccaaaca	960
aucagacgca	uggccaaaau	uuucagcacu	cccaacaaaa	gcuuccauac	ccaguauggu	1020
gaggaggaga	acugccaccc	gaggggagag	aaaagcucca	uggagaggcu	ccucacagaa	1080
aaaaaugcug	ugauugaaag	ccugcaggaa	caaguaaaaca	acgccaaaaga	gaagauugug	1140
aggcugaugu	cagcugagug	caccuauzac	cucccagagg	gggcugcccc	accugccucu	1200
uccccgaaca	aggacgucca	ggcgguagcc	ucgguccaca	cccuaggcagc	ugcuaggggg	1260
ccuucggguc	accucucuga	cuuucagaau	gauccuggca	uggcugcccg	ggauucccag	1320
ugcacuucag	ggcccuuccuc	auaugcaca	agccuugagg	ggccuggggaa	ggacuccagc	1380
uucuccccag	ggaaaggagga	gaagauaucu	gacucaaaaag	acuuuucuga	ucauuuagac	1440
ucagguugua	gccagaagcc	auggacugag	caaagccugg	guccagaaag	aggagaccaa	1500
guccccauga	accccagcca	gagucuccua	ccaganagag	gcggcucaga	uccccagaga	1560
cagaggcauc	uggagaacuc	agaggagccc	ccagagcggc	ggucacgggu	uaguucagua	1620
aucagggaga	aacuucagga	ggucuuacaa	gaucuggggc	ugggcccuga	ggcuucccuc	1680
uccaccgccc	ccucuuguca	ucagcaaac	uggaagaaca	gugcugccuu	cagcccccaa	1740
aagaugcccc	ucuccaagga	gcucggcuuu	agcccuuaca	uggugaggag	aaggcgggca	1800
gcucagcggg	cccgcucaca	cuuuccuggc	ucugcacccu	caucuguggg	gcaucgggca	1860
aacaggacug	uuccuggggc	acacagcagg	cuacaugugc	agaaugggga	cagccccagc	1920
cuggccccac	aaacuacuga	uuccagagua	cgaagaccuu	cuuccaggaa	gccuucacua	1980
ccuucagauc	cucaagacag	accagguacc	cuggaggggca	gcaaacaaag	ccagacagag	2040
cccgaggggg	cuagaggggag	caaagcagcc	uuucuuugcc	agccuucugg	uucuggccgg	2100
gccccaaaguc	cugcugcccc	augccucucc	aaagccucac	cugacuugcc	ugaacagugg	2160
cagcuugggc	ccccagugcc	cucaggcugu	gccucccugu	cuucucaaca	cagcuauuuu	2220
gauacugagu	ccagcagcuc	agaugaguuc	uucugccgcu	gccaccggcc	cuacugugaa	2280
aucugcuucc	agagcucuuc	ugacucuagu	gacaguggca	caucagacac	ugacccugag	2340
ccuacugggg	ggcuggcuuc	cugggaaaag	cuguggggccc	gcuccaagcc	uauugugaac	2400
uucaaagaug	acuuuuaacc	cacgcugggu				2430

<210> 24
 <211> 1515
 <212> DNA
 <213> Homo sapien

<220>
 <223> Wild Type GPR156 mRNA, fragment 310-814

<220>
 <221> variation
 <222> (621) .. (621)
 <223> n is a, g, u, or c

<400> 24						
ccccagcuga	agcaauaggaa	ggcauuugaa	gaggaaaacc	aaacaauacag	acgcauggcc	60
aaauauuuca	gcacucccaa	caaaaagcuuc	cauaccagau	augguagagga	ggagaacugc	120
cacccgaggg	gagagaaaaag	cuccauggag	aggcuccuca	cagaaaaaaa	ugcuugauu	180
gaaagccugc	aggaaacaagu	aaacaacgcc	aaagagaaga	uugugaggcu	gaugucagcu	240
gagugcaccu	augaccuccc	agagggggcu	gccccaccug	ccucuucccc	gaacaaggac	300
guccaggcgg	uagccucggg	ccacaccucg	gcagcugcuc	agggggccuuc	ggguaccuc	360
ucugacuuc	agaauaugucc	uggcauggcu	gcccggggaau	cccagugcac	uucaggggccc	420

uccucauaug	cacaaagccu	ugagggggccu	gggaaggacu	ccagcuucuc	cccagggaag	480
gaggagaaga	uaucugacuc	aaaagacuuu	ucugaucauu	uagacucagg	uuguagccag	540
aagccaugga	cugagcaaaag	ccugggucca	gaaaaggagg	accaaguccc	caugaacccc	600
agccagaguc	uccuaccaga	nagaggcggc	ucagaucccc	agagacagag	gcaucuggag	660
aacucagagg	agcccccaga	gcggcgguca	cggguuaguu	caguaaucag	ggagaaacuu	720
caggaggguu	uacaagaucu	gggcccugggc	ccugaggcuu	cccucuccac	cgccccucu	780
ugucaucagc	aaaccuggaa	gaacagugcu	gccuucagcc	cccaaaagau	gccccucucc	840
aaggagcucg	gcuuuagccc	uuacauggug	aggagaaggc	gggcagcuca	gcgggccccgc	900
ucacacuuuc	cuggcucugc	acccucaucu	guggggcauc	gggcaaacag	gacuguuccu	960
ggggcacaca	gcaggcuaca	ugugcagaau	ggggacagcc	ccagccuggc	cccacaaacu	1020
acugauucca	gaguacgaag	accuucuucc	aggaaagccuu	cacuaccuuc	agauccucaa	1080
gacagaccag	guacccugga	gggcagcaaa	caaagccaga	cagagcccga	gggggcuaga	1140
gggagcaaa	cagccuuucu	ucgccagccu	ucugguucug	gccgggcccc	aaguccugcu	1200
gccccaugcc	ucuccaaagc	cucaccugac	uugccugaac	aguggcagcu	guggccccca	1260
gugccucag	gcugugccuc	ccugucuucu	caacacagcu	auuuugauac	ugaguccagc	1320
agcucagaug	aguucuuucg	ccgcugccac	cggcccuacu	gugaaaucug	cuuccagagc	1380
ucuucugacu	cuagugacag	uggcacauca	gacacugacc	cugagccuac	uggggggcug	1440
gcuuccuggg	aaaagcugug	ggcccgcucc	aagccuauug	ugaacuucua	agaugacuug	1500
aaacccacgc	uggug					1515

<210> 25
 <211> 2442
 <212> DNA
 <213> Homo sapien

<220>
 <223> E533D GPR156 GAU mRNA

<220>
 <221> variation
 <222> (1548) .. (1548)
 <223> n is a, g, u, or c

<400> 25						
auggagccug	aaauaaacug	cucugaauug	ugugacaguu	uuccuggcca	ggagcuggau	60
cggagacccc	uucaugaucu	cugcaagaca	acaauuacau	cuucccacca	cagcaguaag	120
accaucucuu	cauuauucc	uguccucuu	gguaauuuu	ggacuuiuuc	cagcugugga	180
cuucugcuga	uacuuuucuu	ucuugccuuu	acaauucacu	gcaggaagaa	caggauugug	240
aagaugucca	gucccaaucu	gaacauugug	accuuacugg	gcaguugucu	cacuuacagu	300
agcgcuuacc	ucuuugggau	ucaggauugu	uuagugggga	gcucaaugga	aacucucauu	360
cagacaagac	uguccaugcu	gugcauuggg	accucccuug	uguuuggccc	cauucuggga	420
aagagcuggc	gacucuacaa	gguguuuacc	caaagggucc	cggacaagag	agugauuauc	480
aaagaccugc	aguugcuggg	guugguggca	gcccuguuga	uggcugaugu	gauccugcuc	540
augacguggg	ugcugacuga	ucccauccag	ugccuccaga	uucucagugu	caguaugacg	600
gugacaggga	aagacguguc	cugcacuucg	accagcaccc	acuucugugc	uucccgguau	660
uccgauguuu	ggauugcucu	cauuugggga	ugcaaggguc	ugcuccugcu	guauggugcc	720
uaccuggcug	gccugacugg	ccaugucagc	uccccuccug	ugaauucaguc	cuuaaccauc	780
augguuggggg	ucaaccuccu	uguacuggcu	gcugggcugc	uuuuuguagu	caccagauac	840
uugcauuucc	ggcccaaccu	ggucuuugga	cucacaucug	gagggaucuu	uguuuuguaca	900
acuacaauca	acugcuuac	cuucauuucc	cagcugaagc	aauggaaggc	auuuugaagag	960

gaaaaaccaa	caaucagacg	cauggccaaa	uauuucagca	cucccaacaa	aagcuuccau	1020
accagauaug	gugaggagga	gaacugccac	ccgaggggag	agaaaagcuc	cauggagagg	1080
cuccucacag	aaaaaaaugc	ugugauugaa	agccugcagg	aacaaguaaa	caacgccaaa	1140
gagaagauug	ugaggcugau	gucagcugag	ugcaccuau	accucccaga	gggggcugcc	1200
ccaccugccu	cuuccccgaa	caaggacguc	caggcgguag	ccucggucca	caccucggca	1260
gcugcucagg	ggccuucggg	ucaccucucu	gacuuucaga	augauccugg	cauggcugcc	1320
cgggauuucc	agugcacuuc	agggcccucc	ucauaugcac	aaagccuuga	ggggccuagg	1380
aaggacucca	gcuuucuccc	aggggaaggag	gagaagauau	cugacucaaa	agacuuuucu	1440
gaucauuuag	acucagguug	uagccagaag	ccauggacug	agcaaagccu	ggguccagaa	1500
agaggagacc	aaguccccau	gaaccccagc	cagagucucc	uaccaganag	aggcggcuca	1560
gaucucccaga	gacagaggca	ucuggagaac	ucagaggau	ccccagagcg	gcggucacgg	1620
guuaguucag	uaaucaggga	gaaacuucag	gaggucuuac	aagaucuggg	ccugggccc	1680
gaggcuuccc	ucuccaccgc	ccccucuugu	caucagcaaa	ccuggaagaa	cagugcugcc	1740
uucagcccc	aaaagaugcc	ccucuccaag	gagcucggcu	uuagcccuua	cauggugagg	1800
agaaggcggg	cagcucagcg	ggcccgcuca	cacuuuccug	gcucugcacc	cucaucugug	1860
gggcaucggg	caaacaggac	uguuccuggg	gcacacagca	ggcuacaugu	gcagaauagg	1920
gacagcccca	gccuggcccc	acaaacuacu	gauuccagag	uacgaagacc	uucuuccagg	1980
aagccuucac	uaccuucaga	uccucaagac	agaccaggua	cccuggaggg	cagcaaacaa	2040
agccagacag	agcccgaggg	ggcuagaggg	agcaaagcag	ccuuucuuucg	ccagccuucu	2100
gguuucuggc	gggccccaa	uccugcugcc	ccaugccucu	ccaaagccuc	accugacuug	2160
ccugaacagu	ggcagcugug	gcccccagug	cccucaggcu	gugccucccu	gucuucucua	2220
cacagcuauu	uugauacuga	guccagcagc	ucagaugagu	ucuucugccg	cugccaccgg	2280
cccuacugug	aaaucugcuu	ccagagcucu	ucugacucua	gugacagugg	cacaucagac	2340
acugacccug	agccuacugg	ggggcuggcu	uccugggaaa	agcugugggc	ccgcuccaag	2400
ccuauuguga	acuucaaa	ugacuugaaa	cccacgcugg	ug		2442

<210> 26
 <211> 2442
 <212> DNA
 <213> Homo sapien

<220>
 <223> E533D GPR156 GAC mRNA

<220>
 <221> variation
 <222> (1548) .. (1548)
 <223> n is a, g, u, or c

<400> 26						
auggagccug	aaauaaacug	cucugaauug	ugugacaguu	uuccuggcca	ggagcuggau	60
cggagacccc	uucaugaucu	cugcaagaca	acaauuacau	cuuccaccca	cagcaguaag	120
accuucucu	cauuauucc	uguccucuug	gguaauuuu	ggacuuuucu	cagcugugga	180
cuucugcuga	uacuuuucu	ucuugccuuu	acaauucacu	gcaggaagaa	caggauugug	240
aagaugucca	gucccaaucu	gaacauugug	accuuacugg	gcaguugucu	cacuuacagu	300
agcgcuuacc	ucuuugggau	ucaggauugu	uuagugggga	gcucaauugga	aacucucuu	360
cagacaagac	uguccaugcu	gugcauuggg	accucccuug	uguuuggccc	cauucuggga	420
aagagcuggc	gacucuacaa	gguguuuacc	caaagggucc	cggacaagag	aguauuuac	480
aaagaccugc	aguugcuggg	guugguaggc	gcccuguuuga	uggcugaugu	gauccugcuc	540
augacguggg	ugcugacuga	ucccauccag	ugccuccaga	uucucagugu	caguaugacg	600

gugacaggga	aagacguguc	cugcacuucg	accagcaccc	acuucugugc	uucccgguau	660
uccgauguuu	ggauugcucu	cauuugggga	ugcaaggguc	ugcuccugcu	guauggugcc	720
uaccuggcug	gccugacugg	ccaugucagc	uccccuccug	ugaaucaguc	cuuaaccauc	780
augguggggg	ucaaccuccu	uguacuggcu	gcugggcugc	uuuuuguagu	caccagauac	840
uugcauuccu	ggcccaaccu	ggucuuugga	cucacaucug	gagggauuuu	uguuuguaca	900
acuacaauca	acugcuucau	cuucauuccc	cagcugaagc	aaugggaaggc	auuuugaagag	960
gaaaaccaaa	caaucagacg	cauggccaaa	uauuucagca	cucccaacaa	aagcuuccau	1020
acccaguaug	gugaggaggga	gaacugccac	ccgaggggag	agaaaagcuc	cauggagagg	1080
cuccucacag	aaaaaaaaugc	ugugauugaa	agccugcagg	aacaaguaaa	caacgccaaa	1140
gagaagauug	ugaggcugau	gucagcugag	ugcaccuau	accucccaga	gggggcugcc	1200
ccaccugccu	cuuccccgaa	caaggacguc	caggcgguag	ccucggucca	caccucggca	1260
gcugcucagg	ggccuucggg	ucaccucucu	gacuucagaa	augauccugg	cauggcugcc	1320
cgggaauucc	agugcacuuc	agggccucc	ucauaugcac	aaagccuuga	ggggccuggg	1380
aaggacucca	gcuucucccc	agggaaggag	gagaagauau	cugacucaaa	agacuuuucu	1440
gaucauuuag	acucagguug	uagccagaag	ccauggacug	agcaaagccu	ggguccagaa	1500
agaggagacc	aaguucccau	gaaccccagc	cagagucucc	uaccaganag	aggcggcuca	1560
gaucucccaga	gacagaggca	ucuggagaac	ucagaggacc	ccccagagcg	gcggucacgg	1620
guuaguucag	uaaucaggga	gaaacuucag	gaggucuuac	aagaucuggg	ccugggccc	1680
gaggcuucc	ucuccaccgc	ccccucuugu	caucagcaaa	ccuggaagaa	cagugcugcc	1740
uucagccccc	aaaagaugcc	ccucuccaag	gagcucggcu	uuagcccuua	cauggugagg	1800
agaaggcggg	cagcucagcg	ggcccgcuca	cacuuuccug	gcucugcacc	cucaucugug	1860
gggcaucggg	caaacaggac	uguuccuggg	gcacacagca	ggcuacauug	gcagaauagg	1920
gacagcccca	gccuggcccc	acaaacuacu	gauuccagag	uacgaagacc	uucuuccagg	1980
aagccuucac	uaccuucaga	uccucaagac	agaccaggua	cccuggaggg	cagcaaacaa	2040
agccagacag	agcccagggg	ggcuagaggg	agcaaagcag	ccuuucuuuc	ccagccuucu	2100
gguuucuggcc	ggggcccaag	uccugcugcc	ccaugccucu	ccaaagccuc	accugacuug	2160
ccugaacagu	ggcagcugug	gcccccagug	cccucaggcu	gugccucccu	gucuucucua	2220
cacagcuauu	uugauacuga	guccagcagc	ucagaugagu	ucuucugccg	cugccaccgg	2280
cccuacugug	aaaucugcuu	ccagagcucu	ucugacucua	gugacagugg	cacaucagac	2340
acugacccug	agccuacugg	ggggcugggcu	uccugggaaa	agcugugggc	ccgcuccaag	2400
ccuauuguga	acuucaaaaga	ugacuugaaa	cccacgcugg	ug		2442

<210> 27
 <211> 2430
 <212> DNA
 <213> Homo sapien

<220>
 <223> E529D GPR156 GAU mRNA

<220>
 <221> variation
 <222> (1536) .. (1536)
 <223> n is a, g, u, or c

<400> 27						
auggagccug	aaauaaacug	cucugaauug	ugugacaguu	uuccuggcca	ggagcuggau	60
cggagacccc	uucaugaucu	cugcaagaca	acaauuacau	cuucccacca	cagcaguaag	120
accaucucuu	cauuauucc	uguccucuu	ggauuuuuu	ggacuuuucu	cagcugugga	180
cuucugcuga	uacuuuucu	ucuugccuuu	acaauucacu	gcaggaagaa	caggauugug	240

aagaugucca	gucccaauuc	gaacauugug	accuuacugg	gcaguugucu	cacuuacagu	300
agcgcuuacc	ucuuugggau	ucaggauuu	uuagugggga	gcucaaugga	aacucucauu	360
cagacaagac	uguccaugcu	gugcauuggg	accucccuug	uguuuggccc	cauucuggga	420
aagagcuggc	gacucuaaca	gguguuuacc	caaagggucc	cggacaagag	agugauuau	480
aaagaccugc	aguugcuggg	guugguggca	gccccuguu	uggcugaugu	gauccugcuc	540
augacguggg	ugcugacuga	ucccauccag	ugccuccaga	uucucagugu	gacagggaaa	600
gacguguccu	gcacuucgac	cagcaccac	uucugugcuu	cccgguaau	cgauguuugg	660
auugcucuca	uuuggggau	caaggguucg	cuccugcugu	augguccua	ccuggcuggc	720
cugacuggcc	augucagcuc	cccuccugug	aaucaguccu	uaaccaucau	gguggggguc	780
aaccuccuug	uacuggcugc	ugggcugcuu	uuuguaguca	ccagauacuu	gcauuccugg	840
cccaaccugg	ucuuuggacu	cacaucugga	gggaucuuug	uuuguacaac	uacaaucaac	900
ugcuucaucu	ucauucccca	gcugaagcaa	uggaaggcau	uugaagagga	aaaccaaaca	960
aucagacgca	uggccaaaau	uuucagcacu	cccaacaaaa	gcuuccauac	ccaguauggu	1020
gaggaggaga	acugccaccc	gaggggagag	aaaagcucca	uggagaggcu	ccucacagaa	1080
aaaaaugcug	ugauugaaag	ccugcaggaa	caaguaaaac	acgccaaaga	gaagauugug	1140
aggcugaugu	cagcugagug	caccuaugac	cucccagagg	gggcugcccc	accugccucu	1200
uccccgaaca	aggacgucca	ggcgguagcc	ucgguccaca	cccuggcagc	ugcucagggg	1260
ccuucggguc	accucucuga	cuuucagaau	gauccuggca	uggcugcccc	ggauucccag	1320
ugcacuucag	ggcccuucc	auaugcaca	agccuugagg	ggccugggaa	ggacuccagc	1380
uucuccccag	ggaaggagga	gaagauaucu	gacucaaaa	acuuuucuga	ucauuuagac	1440
ucagguugua	gccagaagcc	auggacugag	caaagccugg	guccagaaag	aggagaccaa	1500
guccccauga	accccagcca	gagucuccua	ccaganagag	gcggcucaga	uccccagaga	1560
cagaggcauc	uggagaacuc	agaggauccc	ccagagcggc	ggucacgggu	uaguucagua	1620
aucagggaga	aacuucagga	ggucuuacaa	gaucugggcc	ugggcccuga	ggcuucccuc	1680
uccaccgccc	ccucuuguca	ucagcaaacc	uggaagaaca	gugcugccuu	cagcccccaa	1740
aagaugcccc	ucuccaagga	gcucggcuuu	agcccuuaca	uggugaggag	aaggcgggca	1800
gcucagcggg	cccgcucaca	cuuuccuggc	ucugcacccu	caucuguggg	gcaucgggca	1860
aacaggacug	uuccuggggc	acacagcagg	cuacaugugc	agaaugggga	cagccccagc	1920
cuggccccac	aaacuacuga	uuccagagua	cgaagaccuu	cuuccaggaa	gccuucacua	1980
ccuucagauc	cucaagacag	accagguaac	cuggagggca	gcaaacaaag	ccagacagag	2040
cccgaggggg	cuagagggag	caaagcagcc	uuucuuugcc	agccuucugg	uucuggccgg	2100
gccccaaaguc	cugcugcccc	augccucucc	aaagccucac	cugacuugcc	ugaacagugg	2160
cagcuguggc	ccccagugcc	cucaggcugu	gccucccugu	cuucucaaca	cagcuauuuu	2220
gauacugagu	ccagcagcuc	agaugaguuc	uucugccgcu	gccaccggcc	cuacugugaa	2280
aucugcuucc	agagcucuuc	ugacucuagu	gacaguggca	caucagacac	ugacccugag	2340
ccuacugggg	ggcuggcuuc	cugggaaaag	cuguggggcc	gcuccaagcc	uauugugaac	2400
uucaaaagau	acuugaaaac	cacgcuggug				2430

<210> 28
 <211> 2430
 <212> DNA
 <213> Homo sapien

<220>
 <223> E529D GPR156 GAC mRNA

<220>
 <221> variation
 <222> (1536) .. (1536)
 <223> n is a, g, u, or c

<400> 28

auggagccug	aaauaaacug	cucugaauug	ugugacaguu	uuccuggcca	ggagcuggau	60
cggagacccc	uucaugaucu	cugcaagaca	acaauuacau	cuucccacca	cagcaguaag	120
accaucucuu	cauuauucc	uguccucuu	gguaauuuu	ggacuuuuu	cagcugugga	180
cuucugcuga	uacuuuuuu	ucuuugccuu	acaauucacu	gcaggaagaa	caggauugug	240
aagaugucca	gucccaaucu	gaacauugug	accuuacugg	gcaguugucu	cacuuacagu	300
agcgcuuacc	ucuuuggggau	ucaggauugu	uuaguggggga	gcucaauugga	aacucucauu	360
cagacaagac	uguccaugcu	gugcauuggg	accucccuug	uguuuggccc	cauucuggga	420
aagagcuggc	gacucuaaca	gguguuuacc	caaagggucc	cggacaagag	agugauuau	480
aaagaccugc	aguugcuggg	guugguggca	gcccugauga	uggcugaugu	gauccugcuc	540
augacguggg	ugcugacuga	ucccauccag	ugccuccaga	uucucagugu	gacagggaaa	600
gacguguccu	gcacuuugac	cagcaccac	uucugugcuu	cccgguaau	cgauguuugg	660
auugcucuca	uuuggggggaug	caaggguucg	cuccugcugu	augguccua	ccuggcuggc	720
cugacuggcc	augucagcuc	ccuccugug	aaucaguccu	uaaccaucau	gguggggguc	780
aaccuccuug	uacuggcugc	ugggcugcuu	uuuguaguca	ccagauacuu	gcauuccugg	840
cccaaccugg	ucuuugggacu	cacaucugga	gggaucuuug	uuuguacaac	uacaaucaac	900
ugcuucaucu	ucauucccca	gcugaagcaa	uggaaggcau	uugaagagga	aaaccaaaca	960
aucagacgca	uggccaaaau	uuucagcacu	cccaacaaaa	gcuuccauac	ccaguauggu	1020
gaggaggaga	acugccaccc	gaggggagag	aaaagcucca	uggagaggcu	ccucacagaa	1080
aaaaaugcug	ugauugaaag	ccugcaggaa	caaguaaaca	acgccaaaga	gaagauugug	1140
aggcugaugu	cagcugagug	caccuauagc	cucccagagg	gggcugcccc	accugccucu	1200
uccccgaaca	aggacgucca	ggcgguaagg	ucgguccaca	cccuggcagc	ugcucagggg	1260
ccuucggguc	accucucuga	cuuucagaau	gauccuggca	uggcugcccc	ggauucccag	1320
ugcacuuacg	ggcccuuccuc	auaugcaca	agccuugagg	ggccugggaa	ggacuccagc	1380
uucuccccag	ggaaggaggga	gaagauaucu	gacucaaaa	acuuuucuga	ucauuuagac	1440
ucagguugua	gccagaagcc	auggacugag	caaagccuug	guccagaaag	aggagacca	1500
guccccauga	acccagcca	gagucuccua	ccaganagag	gcggcucaga	uccccagaga	1560
cagaggcauc	uggagaacuc	agaggacccc	ccagagcggc	ggucacgggu	uaguucagua	1620
aucagggaga	aacuucaggga	ggucuuacaa	gaucuggggc	ugggcccuga	ggcuucccuc	1680
uccaccgccc	ccucuuguca	ucagcaaac	uggaagaaca	gugcugccuu	cagcccccaa	1740
aagauccccc	ucuccaagga	gcucggcuuu	agcccuuaca	uggugaggag	aaggcgggca	1800
gcucagcggg	cccgcucaca	cuuuccuggc	ucugcacccu	caucuguggg	gcaucgggca	1860
aacaggacug	uuccuggggc	acacagcagg	cuacaugugc	agaaugggga	cagccccagc	1920
cuggccccac	aaacuacuga	uuccagagua	cgaagaccuu	cuuccaggaa	gccuucacua	1980
ccuucagauc	cucaagacag	accagguacc	cuggagggca	gcaaacaag	ccagacagag	2040
cccgaggggg	cuagaggggag	caaagcagcc	uuucuuugcc	agccuucugg	uucuggccgg	2100
gccccaaugc	cugcugcccc	augccucucc	aaagccucac	cugacuugcc	ugaacagugg	2160
cagcuguggc	ccccagugcc	cucaggcugu	gccucccuug	cuucucaaca	cagcuauuuu	2220
gauacugagu	ccagcagcuc	agaugaguuc	uucugccgcu	gccaccggcc	cuacugugaa	2280
aucugcuucc	agagcucuu	ugacucuaug	gacaguggca	caucagacac	ugacccugag	2340
ccuacugggg	ggcuggcuuc	cugggaaaag	cugugggccc	gcuccaagcc	uauugugaac	2400
uucaaagaug	acuugaaacc	cacgcuggug				2430

<210> 29

<211> 1515

<212> DNA

<213> Homo sapien

<220>

<223> E533D GPR156 GAU mRNA, fragment 310-814

<220>

<221> variation

<222> (621) .. (621)

<223> n is a, g, u, or c

<400> 29

ccccagcuga	agcaauaggaa	ggcauuugaa	gaggaaaacc	aaacaauca	acgcauggcc	60
aaauauuuca	gcacucccaa	caaaagcuuc	cauacccagu	auggugagga	ggagaacugc	120
cacccgaggg	gagagaaaaag	cuccauggag	aggcuccuca	cagaaaaaaa	ugcuugauu	180
gaaagccugc	aggaacaagu	aaacaacgcc	aaagagaaga	uugugaggcu	gaugucagcu	240
gagugcaccc	augaccuccc	agagggggcu	gccccaccug	ccucuucccc	gaacaaggac	300
guccaggcgg	uagccucggu	ccacacccug	gcagcugcuc	agggggccuuc	ggguaccuc	360
ucugacuuc	agaaugauc	uggcauggcu	gcccgggguu	cccagugcac	uucagggccc	420
uccucauau	cacaaagccu	ugagggggcu	gggaaggacu	ccagcuucuc	cccaggggaag	480
gaggagaaga	uauugacuc	aaaagacuuu	ucugaucauu	uagacucagg	uuguagccag	540
aagccaugga	cugagcaaa	ccugggucca	gaaagaggag	accaaguccc	caugaacccc	600
agccagaguc	uccuaccaga	nagaggcggc	ucagaucccc	agagacagag	gcuaucuggag	660
aacucagagg	aucccccaga	gcggcgguca	cggguuaguu	caguaaucag	ggagaaacuu	720
caggaggucu	uacaagaucu	gggcccuggc	ccugaggcuu	cccucuccac	cgccccucuc	780
ugucaucagc	aaaccuggaa	gaacagugcu	gccuucagcc	cccaaaagau	gccccucucc	840
aaggagcucg	gcuuuagccc	uuacauggug	aggagaaggc	gggcagcuca	gcgggcccgc	900
ucacacuuc	cuggcucugc	acccucaucu	guggggcauc	gggcaaacag	gacuguuccu	960
ggggcacaca	gcaggcuaca	ugugcagaau	ggggacagcc	ccagccuggc	cccacaaacu	1020
acugauucca	gaguacgaag	accuucuucc	aggaagccuu	cacuaccuuc	agauccucaa	1080
gacagaccag	guacccugga	gggcagcaaa	caaagccaga	cagagcccga	gggggcuaga	1140
gggagcaaag	cagccuuucu	ucgccagccu	ucugguucug	gccgggcccc	aaguccugcu	1200
gccccaugcc	ucuccaaagc	cucaccugac	uugccugaac	aguggcagcu	guggccccca	1260
gugccucag	gcugugccuc	ccugucuucu	caacacagcu	auuuugauac	ugaguccagc	1320
agcucagaug	aguucuuucg	ccgugccac	cggcccuacu	gugaaaucug	cuuccagagc	1380
ucuucugacu	cuagugacag	uggcacauca	gacacugacc	cugagccuac	uggggggcug	1440
gcuuccuggg	aaaagcugug	ggcccgcucc	aagccuauug	ugaacuucua	agaugacuug	1500
aaacccacgc	uggug					1515

<210> 30

<211> 1515

<212> DNA

<213> Artificial Sequence

<220>

<223> E533D GPR156 GAC mRNA, fragment 310-814

<220>

<221> variation

<222> (621) .. (621)

<223> n is a, g, u, or c

<400> 30

ccccagcuga	agcaauaggaa	ggcauuugaa	gaggaaaacc	aaacaauca	acgcauggcc	60
------------	-------------	------------	------------	-----------	------------	----

aaauuuuua	gcacucccaa	caaaagcuuc	cuaacccagu	augguagga	ggagaacugc	120
cacccgaggg	gagagaaaaag	cuccauggag	aggcuuccu	cagaaaaaaa	ugcugugauu	180
gaaagccugc	aggaacaagu	aaacaacgcc	aaagagaaga	uugugaggcu	gaugucagcu	240
gagugcaccu	augaccuccc	agagggggcu	gccccaccug	ccucuucccc	gaacaaggac	300
guccaggcgg	uagccucggu	ccacacccug	gcagcugcuc	agggggccuuc	gggucaccuc	360
ucugacuuc	agaaugaucc	uggcauggcu	gcccgggguu	cccagugcac	uucagggccc	420
uccucauau	cacaaagccu	ugagggggcu	gggaaggacu	ccagcuucuc	cccaggggaag	480
gaggagaaga	uauugacuc	aaaagacuuu	ucugaucuu	uagacucagg	uuguagccag	540
aagccaugga	cugagcaaaag	ccugggucca	gaaagaggag	accaaguucc	caugaacccc	600
agccagaguc	uccuaccaga	nagaggcggc	ucagaucccc	agagacagag	gcaucuggag	660
aacucagagg	accccccca	gcggcgguca	cggguuaguu	caguaaucag	ggagaaacuu	720
caggaggguu	uacaagaucu	gggcuugggc	ccugaggcuu	cccucuccac	cgccccucu	780
ugucaucagc	aaaccuggaa	gaacagugcu	gccuucagcc	cccaaaagau	gccccucucc	840
aaggagcucg	gcuuuagccc	uuacauuggu	aggagaaggc	gggcagcuca	gcgggcccgc	900
ucacacuuuc	cuggcucugc	acccucaucu	guggggcauc	gggcaaacag	gacuguuccu	960
ggggcacaca	gcaggcuaca	ugugcagaau	ggggacagcc	ccagccuggc	cccacaaacu	1020
acugauucca	gaguacgaag	accuucuucc	aggaaagccu	cacuaccuuc	agauccucaa	1080
gacagaccag	guacccugga	gggcagcaaa	caaagccaga	cagagcccga	gggggcuaga	1140
gggagcaaa	cagccuuucu	ucgccagccu	ucugguucug	gccgggcccc	aaguccugcu	1200
gccccaugcc	ucuccaaagc	cucaccugac	uugccugaac	aguggcagcu	guggccccca	1260
gugcccucag	gcugugccuc	ccugucuucu	caacacagcu	auuuugauac	ugagucccagc	1320
agcucagaug	aguucuuucg	ccgcugccac	cggcccuacu	gugaaaucug	cuuccagagc	1380
ucuucugacu	cuagugacag	uggcacauca	gacacugacc	cugagccuac	uggggggcug	1440
gcuuccuggg	aaaagcugug	ggcccgcucc	aagccuauug	ugaacuucua	agaugacuug	1500
aaacccacgc	uggug					1515

<210> 31
 <211> 9
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> GPR156 forward primer

<400> 31
 tctccccag

9

<210> 32
 <211> 9
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> GPR156 forward primer

<400> 32
 agaggggtc

9

<210> 33
 <211> 9

<212> DNA
<213> Artificial Sequence

<220>
<223> GPR156 forward primer

<400> 33
tctcccat 9

<210> 34
<211> 8
<212> DNA
<213> Artificial Sequence

<220>
<223> GPR156 forward primer

<400> 34
agagggga 8

<210> 35
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> GPR156 forward primer

<400> 35
ccagagtctc ctaccagata g 21

<210> 36
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> GPR156 reverse primer

<400> 36
agaaggctgg cgaagaaagg 20

<210> 37
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> GPR156 forward primer

<400> 37	
caacgccaaa gagaagattg	20
<210> 38	
<211> 21	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> GPR156 reverse primer	
<400> 38	
cttccagggtt tgctgatgac a	21
<210> 39	
<211> 21	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> GPR156 forward primer	
<400> 39	
aagatatctg actcaaaaga c	21
<210> 40	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> GPR156 reverse primer	
<400> 40	
agagccagga aagtgtgagc	20
<210> 41	
<211> 21	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> GPR156 forward primer	
<400> 41	
tttcagaatg atcctggcat g	21
<210> 42	
<211> 21	
<212> DNA	

<213> Artificial Sequence

<220>

<223> GPR156 reverse primer

<400> 42

actgttcttc caggtttgct g

21